DEPARTMENT OF THE NAVY
COMMANDER
NAVY REGION MID-ATLANTIC
1510 GILBERT ST.
NORFOLK, VA 23511-2737

IN REPLY REFER TO:
5090
EV14/05/RE363
SEP 22 2015

Ms. Angela McDowell
MS4 Permits and Compliance Coordinator
Department of Environmental Quality
5636 Southern Boulevard
Virginia Beach, VA 23462

Dear Ms. McDowell:

SUBJECT: PERMIT YEAR 2 ANNUAL REPORT FOR NAVY CONSOLIDATED MS4 PERMIT (VAR040114)

As required by Section II.E.3 of the Virginia General Permit for Discharges of Stormwater from Municipal Separate Storm Sewer Systems, enclosed is the Permit Year 2 annual report for our consolidated MS4 permit coverage.

If you have any questions, please contact Mrs. Angela Gent at (757) 341-0423.

Sincerely,

SEAN S. HEANEY
Director
Environmental Compliance
By direction of the Commander

Enclosure

Certification Statement

As required by 9VAC25-870-370 B, all reports required by state permits, and other information requested by the board shall, be signed by a responsible official or by a duly authorized representative of that person. A responsible official is:

1. For a corporation: by a responsible corporate officer. For the purpose of this section, a responsible corporate officer means: (i) a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy-making or decision-making functions for the corporation, or (ii) the manager of one or more manufacturing, production, or operating facilities, provided the manager is authorized to make management decisions that govern the operation of the regulated facility, including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long-term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for state permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures;
2. For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or
3. For a municipality, state, federal, or other public agency: by either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a federal agency includes (i) the chief executive officer of the agency, or (ii) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency.

A person is a duly authorized representative only if:

1. The authorization is made in writing by a person described above;
2. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity such as the position of plant manager, operator of a well or a well field, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the company. A duly authorized representative may thus be either a named individual or any individual occupying a named position; and
3. The written authorization is submitted to the department.

CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Sean P Heaney 29 Sep 2015

Responsible Official Signature Date

VAR040114 Navy Consolidated MS4

Permit Number MS4 Name

REGIONAL MS4 STORMWATER PROGRAM ANNUAL REPORT

For

Virginia General Permit for Small Municipal Separate Storm Sewer Systems; Permit #VAR040114 - Permit Year 2; 01JUL2014 to 30JUN2015 -

Submitted By:
Department of the Navy
Naval Facilities Engineering Command
9742 Maryland Ave.
Norfolk, Virginia 23511-2737

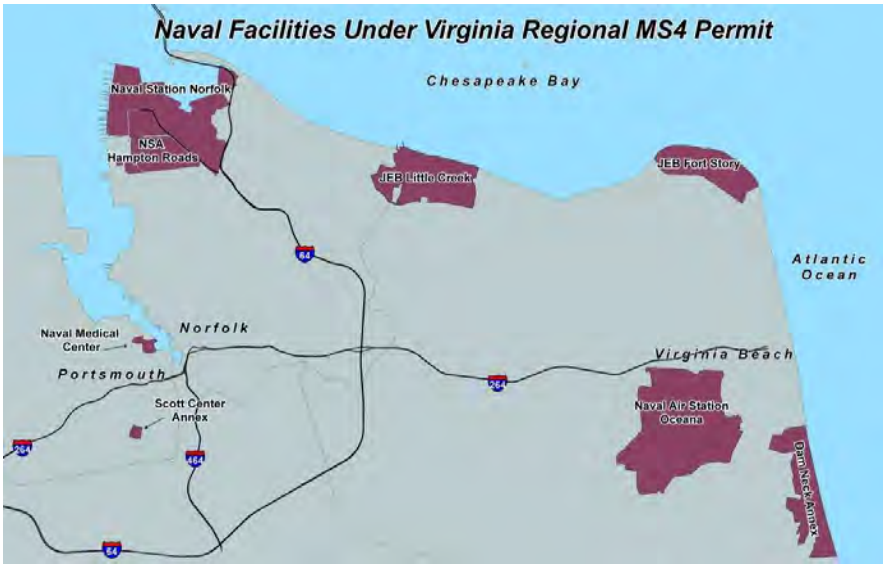
Introduction

In accordance with the reporting requirements set forth in the General Permit for Discharges of Stormwater from Small Municipal Separate Storm Sewer Systems, Virginia Regulation 9VAC25-890-40, the information provided within this annual report is intended to document MS4 program activities undertaken between July 1, 2014 and June 30, 2015. Specifically, this report presents the information requested in items (a) through (h) of section II.E.3 of the General Permit. The Naval installations in Virginia that are deemed regulated MS4's and that receive coverage under the Navy's Consolidated MS4 permit coverage are:

- Naval Station Norfolk*
- Naval Support Activity Hampton Roads*
- Naval Air Station Oceana*
- Dam Neck Annex*
- JEB Little Creek* & Fort Story*
- Scott Center Annex
- Naval Medical Center Portsmouth

**Indicates that the installation is also regulated under VPDES Industrial Permit.*

Unless otherwise specified, all data presented in this report represents the actions undertaken on a regional scale by the Stormwater Program for the installations in Hampton Roads, Virginia to satisfy the minimum control measures required by the VAR04 General Permit.



Background Information

(a.) Background Information.

(1) United States Navy Consolidated MS4, Permit Number: VAR040114

(2) Permit Year #2 – July 1, 2014 to June 30, 2015.

(3) Modification to operator's roles and responsibilities: Phillip Winslow (previous MS4 Program Manager) accepted another position. Angela "Angie" Gent has assumed the role of the MS4 Stormwater Program Media Manager; contact info: (757) 341-0423 or angela.gent@navy.mil

(4) There were 00 new external outfalls constructed during permit year #2.

(5) The signed certification statement is included on page 06 of this report.

(b.) Status of Compliance.

- As part of the Navy's Environmental Management System (EMS) program both internal and external EMS & compliance audits are routinely performed at each installation to assess that all installation activities and programs conform to EMS requirements and environmental regulations. A review of the MS4 program activities undertaken at an installation is a component of an EMS audit when it is performed. During this permit cycle, there was one finding identified during an EMS audit at a construction site at Naval Air Station Oceana, but the issue was immediately corrected.
- The status of compliance with the permit conditions, an assessment of the appropriateness of the implemented best management practices, and progress toward achieving the identified measurable goals for each of the minimum control measures is contained in the data table found in Appendix-A of this report.

(c.) Result of Information Collected.

- During PY2 no monitoring data was collected as part of the MS4 program. Outfall sampling and analytical monitoring is performed as part of the installation's VPDES industrial stormwater permits.

(d.) MS4 Program Activities.

- The following is a summary of the projects that the MS4 Program is already executing or is planning to perform during the PY3 reporting cycle:

i. 2015 Municipal Separate Storm Sewer System Construction Site Inspections for Hampton Roads Installations. Scope of Work dated 4 March 2015, revised 29 April 2015; Project execution underway during MS4 PY3. Refer to Appendix B for additional project information.

ii. Chesapeake Bay TMDL Action Plan for Hampton Roads Installations. Scope of Work dated 13 June 2014 (revised 2 September 2014). Project was executed during MS4 PY2 and continued into PY3. The final plan was completed in August 2015. Project information was submitted in previous annual report.

iii. 2014 Municipal Separate Storm Sewer System Program Implementation for Hampton Roads Installations. Scope of Work dated 26 June 2014. Project was executed during MS4 PY2 and continued into PY3. Work was completed in August 2015. Project information was submitted in previous annual report.

iv. Conceptual Designs for Identified Opportunities to Strengthen Storm Water Management to Comply with E.O. 13508 - Chesapeake Bay Protection and Restoration at Hampton Roads Installations. Scope of Work dated 30 July 2015; revised 23 September 2015. Project execution underway during MS4 PY3. Refer to Appendix B for additional project information.

v. 2015 Municipal Separate Storm Sewer System Program Implementation for Hampton Roads Installations. Scope of Work dated 29 July 2015; revised 16 September 2015. Project execution underway during MS4 PY3. Refer to Appendix B for additional project information.

vi. The following projects are being conducted as part of the installation VPDES programs, and are underway or are going to be executed during MS4 PY3 and involve stormwater mapping update of IDDE survey component:

- 2015 Naval Air Station Oceana and Dam Neck Annex, VPDES Industrial Stormwater Pollution Prevention Plan Updates, Stormwater Pollution Prevention Map Updates, and Site Compliance Evaluations.
- 2015 Naval Station Norfolk (also includes Naval Support Activity, Hampton Roads) VPDES Industrial Stormwater Pollution Prevention Plan Updates, Stormwater Pollution Prevention Plan Map Updates, Site Compliance Evaluations and Cooling Tower and Boiler Inventory.
- 2015 Joint Expeditionary Base, Little Creek VPDES Industrial Stormwater Pollution Prevention Plan Updates,

Stormwater Pollution Prevention Map Updates, Site Compliance Evaluations.

- 2015 Joint Expeditionary Base, Fort Story VPDES Industrial Stormwater Pollution Prevention Plan Updates, Stormwater Pollution Prevention Map Updates, Site Compliance Evaluations.

(e.) *Program Changes.*

- The following changes in best management practices and measureable goals were made for the current permit year.

Construction Site Inspection Procedures and an inspection schedule were established in PY2 and are currently being implemented. A SharePoint site is currently being used as the tracking mechanism for all construction site inspections. Refer to Appendix E for information pertaining to the Procedures implemented for MS4 Construction Site Inspections and the Construction Inspection Annual Report.

A stormwater management facility tracking database and Inspection and Maintenance Procedures were developed and began implementation in PY2. All stormwater management facilities have been incorporated into the database and new facilities constructed will continue to be added. As requested by VDEQ, a copy of the database is being submitted as a separate attachment.

(f.) *Third Party Assistance.* Erosion and Sediment Control plans are submitted to VDEQ for plan review and approval. Refer to Appendix F for Erosion and Sediment Control and Stormwater Management Plan Approval SOP's.

(g.) *Alternative Programs.* N/A.

(h.) *TMDL Special Conditions.*

- Annual reporting requirements per Section I.B.5

i. Section I.B.5 (a) – The Navy MS4 Program is in the process of developing a Non Chesapeake Bay TMDL Action Plan for Oceana, in accordance with the schedule set forth in Table 1 of the Permit. To save time and money in contractual efforts the Naval Medical Center Portsmouth and Scott Center Annex Non-Bay TMDL Plans are also being developed as part of this project. Project execution is currently underway and due to delays in the acquisition process

the final reports are not expected to be completed until November 2015. Final reports will be submitted when they are received.

ii. Section I.B.5 (b) – N/A at this time.

- Annual reporting requirements per Section I.C.4

  i. Section I.C.4 (a) – The Navy MS4 Program has developed a Chesapeake Bay TMDL Action Plan in accordance with the schedule set forth in Table 1 of the Permit. As requested by VDEQ, the Chesapeake Bay TMDL Action Plan is being submitted as a separate attachment.

  ii. Section I.C.4 (b) – N/A at this time.

  iii. Section I.C.4 (c) – N/A at this time.

  iv. Section I.C.4 (d) – The calculations show that the Best Management Practices (BMPs) installed between January 1, 2006, and June 30, 2014, provide pollutant reductions for the pollutants of concern (POCs) that go beyond the required reductions for the first permit cycle (218.8 lbs/yr for TN, 37.7 lbs/yr for TP, and 25,891 lbs/yr for TSS). Therefore, no additional BMPs are required to be installed before the end of the first permit cycle (June 30, 2018).

Certification Statement

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1. For a corporation: by a responsible corporate officer. For the purpose of this section, a responsible corporate officer means: (i) a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy-making or decision-making functions for the corporation, or (ii) the manager of one or more manufacturing, production, or operating facilities, provided the manager is authorized to make management decisions that govern the operation of the regulated facility, including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long-term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for state permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures;
2. For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or
3. For a municipality, state, federal, or other public agency: by either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a federal agency includes (i) the chief executive officer of the agency, or (ii) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency.

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I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

_____

Responsible Official Signature Date

__VAR040114_____Navy Consolidated MS4_____

Permit Number MS4 Name

Permit Required Annual Reporting Information

1. **In accordance with MS4 General Permit Section II.B.1.g the operator of the permit shall include the following information in the annual report submitted to the Department for the MS4 PY2 permit term:**

    a) A list of the education and outreach activities conducted during the reporting period for each high priority water quality issue, the estimated number of people reached, and an estimated percentage of the target audience or audiences that will be reached shall be reported. The following table 1.1 provides this required reporting information.

Table 1.1:

List of Activities Conducted (PY2)	Estimated Number of People Reached
ECATTS Training: Stormwater Comprehensive Overview	1825
ECATTS Training: Sediment and Stormwater Construction (Module 1-9)	256
ECATTS Training: Stormwater General	80
ECATTS Training: Env. Compliance and Enforcement	2835
ECATTS Training: Env. Requirements for Contractors	100
ECATTS Training: General Env. Compliance	2865

ECATTS Training: Spill Response	95
ECATTS Training: Spill Prevention C & C	3930
ECATTS Training: Pollution Control	865
ECATTS Training: Pollution Prevention (2 modules)	1915
Naval Station Norfolk; Annual Spill Briefing Face to Face	200
2015 NAVFAC Civil Summit E&S and Stormwater Presentation	85
Installation Environmental Trainings Face to Face w/ Tenants (Various Stormwater Topics)	1005
EV Construction Inspection training Face to Face w/ FEAD (New procedures and use of Sharepoint site)	34
Stormwater Tri-Fold Brochure Distribution (4 Brochure Topics)	365
The Flagship Newspaper Stormwater Outreach Article #1	Est. 10,000*
The Flagship Newspaper Stormwater Outreach Article #2	Est. 10,000 *

The Flagship Newspaper Stormwater Outreach Article #3	Est. 10,000 *
The Flagship Newspaper Stormwater Outreach Article #4	Est. 10,000 *
Display signs describing Stormwater Management Facilities (in various location throughout the bases)	Est. 2000
Estimated Number of People Reached (Total):	**58,455**
Estimated Percentage of Target Audiences:	**48%**

**** The Flagship newspaper is published weekly, distributing 35,000 copies to 800 locations with a customer base of 275,000 and an online audience of 70,000.***

b) A list of the education and outreach activities that will be conducted during the next reporting period for each high-priority water quality issue, the estimated number of people that will be reached, and an estimated percentage of the target audience that will be reached.

Table 1.2:

List of Activities To Be Conducted (PY3)	All activities identified in Table 1.1 will be performed again during PY3.
Estimated Number of People To Be Reached:	**61,000**
Estimated Percentage of Target Audiences To Be Reached:	**50%**

2. **In accordance with MS4 General Permit Section II.B.2.d the operator of the permit shall include the following information in the annual report submitted to the Department for the MS4 PY2 permit term:**

   a) The web link to the MS4 Program Plan and annual report:

   http://www.navfac.navy.mil/navfac_worldwide/atlantic/fecs/mid-atlantic/about_us/environmental_norfolk/environmental_compliance.html

   b) Documented compliance with Section II.B.2 of the General Permit:

Table 2.1:

Public Participation Events for MS4 PY2	
Earth Day Event on 22 APR 2015	JEB Little Creek & Fort Story
Earth Day / Arbor Day – 23 APR 2015	NSA Hampton Roads
Earth Day Event – 29 APR 2015	Naval Medical Center Portsmouth
Earth Day Event – 22 APR 2015	NNSY/SCA
Earth Day Event – 24 APR 2015	Naval Station Norfolk
Clean the Station Day – 2015	Naval Station Norfolk
Volunteer Dune Planting Event – 15-16 MAY 2015	NAS Oceana Dam Neck Annex
Christmas Tree Recycling – DEC –JAN 2015	NAS Oceana Dam Neck Annex
Clean the Base Day/Earth Day Activities– 27 APR 2015	NAS Oceana & Dam Neck Annex
2015 Arbor Day/Earth Day/International Migratory Bird Day Celebrations	NAS Oceana & Dam Neck Annex
Clean the Bay Day – 5 JUN 2015	NASO Dam Neck Annex
Clean the Bay Day – 5 JUN 2015	Fort Story
Clean the Bay Day – 5 JUN 2015	JEB Little Creek
Clean the Bay Day – 5 JUN 2015	NSA Hampton Roads
Clean the Bay Day – 6 JUN 2015	Naval Station Norfolk
Clean the Bay Day – MAR 2015	Naval Medical Center Portsmouth
Clean the Bay Day – 2 JUN 2015	NWS Yorktown & Cheatham Annex

3. **In accordance with MS4 General Permit Section II.B.3.f for Illicit Discharge Detection and Elimination the MS4 operator is required to provide the following information with the annual report for permit year #2.**

   a) A list of any written notifications of physical interconnections given by the operator to other MS4's. Written notifications of interconnections have been provided to the City of Virginia Beach, City of Norfolk, City of Portsmouth and Virginia Department of Transportation.

   b) The total number of outfalls screened during the reporting period, the screening results, and detail of any follow-up actions necessitated by the screening results. Per MS4 Permit Section II.B.3(c)(1) if the regulated MS4 operator has more than 50 outfalls, a minimum of 50 outfalls were required to be screened. The following table provides the required reporting information to the Department for MS4 PY2:

Table 3.1:

Total # of Outfalls Screened in PY2	Screening Results and Follow-up Actions
309	See Appendix C

   c) A summary of each investigation conducted by the operator or any suspected illicit discharge.
      a. Any spill or unauthorized release, whether it enters the MS4 system or not, is reported in accordance with State reporting requirements and the Navy Spill Response and Reporting SOP. A copy of all 5-day letters generated, as well as a log of all reported spills, is retained on file by the Navy Spill Program Manager and Installation Environmental Department. A copy of the spill program SOP has been provided in Appendix D.

      b. Illicit discharge surveys have occurred at the following installations as follows:
         i. Naval Air Station Oceana – Completed August 2012.
         ii. Dam Neck Annex – Completed July 2014.
         iii. Naval Station Norfolk – Completed 2014.
         iv. NSA Norfolk – Completed 2014.
         v. JEBLC Fort Story – Completed in 2014.
         vi. JEB Little Creek – Completed in 2014.
         vii. Scott Center Annex – Completed in 2014.
         viii. Naval Medical, Portsmouth –Completed in 2014.

4. **In accordance with MS4 General Permit Section II.B.4.f the operator of the permit shall track regulated land-disturbing activities and include the following information in the annual report submitted to the Department for the MS4 PY2 permit term. The information provided is for regulated construction activities performed at installations regulated under the Navy's MS4 Permit coverage.**

    a) The total number of regulated land-disturbing activities;
    b) The total number of acres disturbed;
    c) Total number of inspections performed;
    d) A summary of enforcement actions taken.

Table 4.1:

# of Regulated Activities	# of Acres Disturbed	# of inspections
24	99.03	286
Summary of Enforcement Actions	There was 01 enforcement action taken on a project during PY2 at one of the Navy installations regulated under VAR040114. Enforcement consisted of a stop work order being issued until the project was brought into compliance.	

See Appendix E for the Procedures implemented for MS4 Construction Site Inspections as well as the Construction Inspection Annual Report that contains information pertaining to the land disturbing activities that occurred at each installation during MS4 PY2.

5. **In accordance with the annual reporting requirements identified in MS4 General Permit Section II.B.5.e, the operator of the permit must include the following information in the annual report submitted to the Department for the MS4 PY2 permit term:**

    a) A copy of the stormwater management facility tracking and reporting database for all known stormwater management facilities that discharge into the MS4. A copy of this database has been submitted as a separate attachment.

    b) The operator completed 229 inspections of stormwater facilities during PY2.

    c) There were 00 enforcement actions during PY2.

    d) There were 15 new stormwater facilities brought online during PY2.

6. **In accordance with the annual reporting requirements identified in MS4 General Permit Section II.B.6.g (1-4), The MS4 program submits the following information to the Department for PY2.**

a) A summary report on the development and implementation of the daily operational procedures:

In accordance with the Permit the operator must develop, within 24 months of permit coverage, written policies and procedures for good housekeeping and pollution prevention for operations. In addition to the OPNAV 5090.1D and operations manual OPNAV M-5090.1., Environmental Readiness Program Manual mentioned in last year's annual report, the Navy has developed Good Housekeeping Policies and Procedures for Municipal Operations. Implementation of these policies and procedures will begin in PY3. A copy of the Good Housekeeping Policies and Procedures is included in Appendix H.

b) A summary report on the development and implementation of the required SWPPP's:

In accordance with the General Permit Section II.B.6, within the first 12 months of permit coverage the operator shall identify all municipal high priority facilities. Within 48 months of coverage, the operator shall develop and implement stormwater pollution prevention plans for all high priority facilities. There were 48 facilities that were identified as municipal high priority facilities during the initial review. During PY2 the MS4 program executed a project through an A/E firm which identified a total of 25 facilities that have a high potential for discharging pollutants, and which are not covered under a separate VPDES permit. High Priority Municipal SWPPP's were prepared for each facility identified. Implementation of the SWPPP's will begin in PY3. Appendix G contains the list of High Priority facilities. Copies of the SWPPPs are retained on file for each of the facilities and can be provided upon request.

c) A summary report on the development and implementation of the turf and landscape nutrient management plans, that include (i) the total acreage of lands where NMP's are required and (ii) the acreage of lands where NMP's have been implemented.

The MS4 Program executed a project during PY2 with an A/E firm to develop nutrient management plans for The Stables at Naval Air Station Oceana and at three golf courses to include: Eagle Haven Golf Course at Joint Expeditionary Base Little Creek-Fort Story; The Tomcat at Naval Air Station Oceana and The Hornet at Naval Air Station Oceana. The NMPs were developed by a certified turf and landscape nutrient management planner in accordance with § 10.1-104.2 of the Code of Virginia. Appendix I contains a table with the total acreage for sites where nutrient management plans have been developed. Copies of the

NMP's are being retained on file for each of the facilities and can be provided upon request.
The NMP for Sewell's Point at Naval Support Activity Hampton Roads is currently being developed as well as NMPs for all lands where nutrients are applied to prestige areas (contiguous areas greater than one acre excluding Golf Courses). The total acreage for the prestige areas is currently being calculated and totals will be provided in PY3.

d) A summary report on the required training, including a list of training events, training dates, number of employees trained, and training objective.

The MS4 Program currently utilizes the Environmental Compliance Assessment, Training, and Tracking System (ECATTS) as the primary training mechanism to satisfy requirements found in MS4 Permit Section II.B.6. This system is designed to provide an understanding and awareness of the environmental requirements established by the United States Environmental Protection Agency (EPA), the United States Department of Defense (DoD), and the State for which each installation is located. A tenant's occupation determines which ECATTS training course they would need to take. ECATTS training currently provides several trainings specific to stormwater pollution prevention. New employees and contractors are typically required to complete training modules within ECATTS that are specific to their AOR's prior to working on an installation. See Table 1.1 for a list of Stormwater specific trainings that are provided through ECATTS as well as face to face trainings held between July 1, 2014 and June 30, 2015.

A copy of the ECATTS course catalog which includes a list of all trainings provided through ECATTS as well as the training objective was provided in PY1 annual report. Copies of the training modules and personnel that completed the trainings are retained on file for each of the installations and can be provided upon request.

A written training plan including a schedule of training events will be developed in PY3 to further define training procedures and requirements.

Annual Report - Index of Appendices

Appendix A – MS4 Program Permit Year #2 Annual Reporting Data Table

Appendix B – MS4 Program Project Execution, MS4 PY2/PY3

Appendix C – Outfall Screening Data

Appendix D – Navy Spill Response and Reporting SOP; Hampton Roads Installations

Appendix E – Construction Site Inspection Procedures and Inspection Annual Report

Appendix F – E&S Control and SWM Plan Approval SOP's

Appendix G – List of High Priority MS4 Facilities

Appendix H – Good Housekeeping Policies and Procedures

Appendix I – Nutrient Management Plan Locations and Acreage

Appendix A – PY2 Annual Reporting Data Table

Navy MS4 Stormwater Permit VAR040114 - Permit Year #2 Annual Reporting Data Table

MCM	BMP Number	BMP Name	BMP Description	Measurable Goals	Metric	Responsible Party	Timeline	PY2 Measurable Goals Progress	PY2 Status of Compliance
Chesapeake Bay TMDL	A-1	TMDL Action Plan	Develop and implement a Chesapeake Bay TMDL Action Plan.	In permit years 1 and 2, develop the TMDL Action Plan. In permit years 3 through 5 implement the action plan.	Retain a copy of the Chesapeake Bay TMDL Action Plan.	Phase II Water Program Media Manager	Developed; Public Notice AUG2015		Compliant
Chesapeake Bay TMDL	A-2	Annual Reporting	Submit annual reports documenting the status of installing control measures.	Submit annual reports in permit years 3 through 5.	Record a list of control measures implemented, the corresponding pollutant reductions, and control measures to be implemented.	Phase II Water Program Media Manager	Will be submitted during PY3, PY4, and PY5.	N/A for PY2	N/A for PY2
Other TMDLs	B-1	TMDL Action Plans	Develop and implement TMDL Action Plan for WLAs.	A TMDL Action Plan for NASO will be developed in PY 1 through 2. TMDL Action Plans will be developed for NMCP and SCA during PY 1 through 3. Plans will be implemented after development.	Retain a copy of each TMDL Action Plan.	Phase II Water Program Media Manager	Non-Bay TMDL Action plans are under development. To be completed Fall 2015.		TMDL Action Plan for NASO is under development and will be finalized Fall 2015.
1	1.1	Environmental Awareness Trainings for Target Audiences	Conduct training for the target audiences for the Three Priority Water Quality Issues.	In permit year 1, evaluate and update stormwater pollution prevention materials utilized as part of the Environmental Awareness Training Program. In permit years 2 through 5, revise the new materials as needed and conduct trainings annually.	Track the number of trainings conducted pertaining to each of the priority water quality issues and the number of people trained.	Phase II Water Program Media Manager and Installation Water Program Media Manager	Annually		Compliant
1	1.2	Stormwater Management Training through ECATTS	Conduct training for the target audiences through a web-based system called Environmental Compliance Assessment, Training, and Tracking System (ECATTS)	In permit years 1 through 5 annually review and update the ECATTS stormwater training modules as needed.	Record and report the number of people trained on each stormwater training module presented through ECATTS.	Phase II Water Program Media Manager and Installation Water Program Media Manager	Annually		Create a written training plan in PY3; include how we determine the type of training each tenant needs and how we ensure the training gets completed

MCM	BMP Number	BMP Name	BMP Description	Measurable Goals	Metric	Responsible Party	Timeline	PY2 Measurable Goals Progress	PY2 Status of Compliance
1	1.3	Stormwater Education Brochures	Brochures for the Three Priority Water Quality Issues will be developed and distributed.	In permit years 1 through 5, on a semi-annual basis distribute stormwater educational brochures to targeted areas.	Retain a copy of each brochure distributed and record the date, location, and number of brochures distributed.	Phase II Water Program Media Manager	Semi-Annually		Compliant
1	1.4	Newspaper Articles and Ads	Place articles and/or ads in installation newspapers such as the Flagship and Jet Observer or Plan of the Week emails.	On a semi-annual basis, in permit years 1 through 5 include at least one article/ad in base publications addressing stormwater pollution prevention.	Retain a copy of all articles/ads published and record the dates of publication.	Phase II Water Program Media Manager	Semi-Annually		Compliant
1	1.5	External Website	Maintain a website that the general public can access that includes information about stormwater education.	In permit years 1 update the NAVFAC website with MS4 Program information. In PY2-PY5 maintain the website and update content as needed.	Document the updates made to the website each permit year and track the number of hits that the website has per year .	Phase II Water Program Media Manager	Annually		MS4 Permit Program Website to be developed during Permit Year #3.
1	1.6	Car Wash Areas	Place articles in installation newspapers and/or in the "Plan of the Week" about the designated car wash areas.	In permit years 1 through 5, track the number of time each installation's car wash area is used.	Retain copies of all articles or SOP's published related to car washing. Track the number of times each car wash is used.	Phase II Water Program Media Manager	Annually		Compliant
1	1.7	Evaluation and Assessment	Annually evaluate and assess the Public Education and Outreach Program to effectiveness	In permit years 1 through 5, on an annual basis, estimate the number of people reached and the percentage of people reached in each target audience. Address any weakness or shortcomings as necessary.	In accordance with Section II of 4VAC50-60-1240.	Phase II Water Program Media Manager	Annually		Compliant
2	2.1	Post the MS4 Program Plan and Annual Report	Make the stormwater program plan and other stormwater program information available through the website.	In permit year 1, post the MS4 Program Plan on the website and notify the "public" through the Plan of the Week of its availability for review. In permit years 2 through 5, update the MS4 Program Plan as needed and post the Annual Report in accordance with Section II of 4VAC50-60-1240. Provide for receipt of comment.	Track all comments and responses received from "public" reviews.	Phase II Water Program Media Manager	Continuously		Update Program Plan to include all projects implemented in PY2; post amended Program Plan on website after updates are made

MCM	BMP Number	BMP Name	BMP Description	Measurable Goals	Metric	Responsible Party	Timeline	PY2 Measurable Goals Progress	PY2 Status of Compliance
2	2.2	Storm Drain Marking Program	Place storm drain markers on inlets to the MS4 reminding the public that flows that drain into the system go directly to streams and waterways.	In permit year 1, evaluate and target areas for storm drain marking efforts. In permit years 2 through 5, conduct annual storm drain marking efforts	Record location, date, number of storm drains marked, and if applicable the number of volunteer participants for each storm drain marking event	Phase II Water Program Media Manager	Annually		Compliant
2	2.3	Local Activity Participation	Participate during the Annual Clean the Bay Day and Earth Day Events held at the installation. Outreach information will be distributed during these events.	In permit years 1 through 5, promote installation participation in the Clean the Bay Day and Earth Day Events at various installations.	For Clean the Bay Day, record the number of volunteers utilized and an estimate of the volume of litter collected. For both events, document outreach materials distributed.	Phase II Water Program Media Manager	Annually		Compliant
2	2.4	Evaluation and Assessment	Annually evaluate and assess compliance.	In permit years 1 through 5, on a annual basis, evaluate and assess progress towards meeting measurable goals.	In accordance with Section II of 4VAC50-60-1240.	Phase II Water Program Manager	Annually		Compliant
3	3.1	Maintain Storm Sewer System Map	Maintain an accurate storm sewer system map in accordance with Section II of 4VAC50-60-1240.	In permit year 1, identify required updates to the storm sewer system map at each installation. In permit years 2 and 3, update the maps accordingly. In permit years 4 and 5, maintain and update the mapping as needed.	Record revision dates on storm system mapping for each regulated installation.	Installation Water Program Media Managers; Phase II Water Program Media Manager	Annually		Compliant
3	3.2	Written Procedures and Dry Weather Screening	Develop and implement written procedures to detect, identify, and eliminate illicit discharges in accordance with Section II of 4VAC50-60-1240.	In permit year 3, finalize draft procedures to detect, identify and eliminate illicit discharges. These procedures will likely be identified as Standard Operating Procedures (SOP). In permit years 3 through 5, implement these final procedures.	Document the number of outfalls screened, the screening results, and other pertinent details. Document each investigation into a suspected illicit discharge. All reporting shall be in accordance with Section II of 4VAC50-60-1240.	Phase II Water Program Media Manager	Continuously		Finalize draft procedures to detect, identify and eliminate illicit discharges in PY3
3	3.3	Promote, Publicize, and Facilitate Public Reporting	Use reporting mechanisms such as hotlines, email, and website links to allow the public to report suspected illicit discharges.	In permit year 1, generate a hotline phone number, an email address, and/or a website link for public reporting of suspected illicit discharges. In permit years 2 through 5, publicize this information through public outreach BMPs.	Record the details (date, problem location, etc.) and number of the reports received using each reporting mechanism.	Phase II Water Program Media Manager	Continuously		Compliant

MCM	BMP Number	BMP Name	BMP Description	Measurable Goals	Metric	Responsible Party	Timeline	PY2 Measurable Goals Progress	PY2 Status of Compliance
3	3.4	Public Education for Illicit Discharges	Through the use of BMPs identified in MCM#1 and MCM#2, educate the public regarding illicit discharges.	In permit years 1 through 5, include information addressing illicit discharges in the BMPs used in MCM#1 and MCM#2.	Retain copies of materials published and dates of publication. Document the number of people trained annually.	Phase II Water Program Media Manager	Annually		Compliant
3	3.5	Spill Control Documentation	Report Spills to DEQ and DCR and document in accordance with the Spill Reporting and Documentation SOP.	In permit years 1 through 5, report spills to the proper authorities and retain a copy of the initial report and the 5-day spill letter.	Retain copies of all spill reports and letters.	Spill Program Media Manager	Continuously		Compliant
3	3.6	Evaluation and Assessment	Annually evaluate and assess the illicit discharge program for compliance and effectiveness.	In permit years 2 through 5, on a annual basis, evaluate and assess progress towards meeting measurable goals	In accordance with Section II of 4VAC50-60-1240.	Phase II Water Program Media Manager	Annually		Compliant
4	4.1	Legal Authority	Utilize legal authority to address discharges entering the MS4 from certain land-disturbing activities.	In permit year 1, identify and install legal mechanisms. In permit years 2 through 5, implement these policies and procedures.	Retain copies of documents outlining the policies and procedures.	Phase II Water Program Media Manager	Continuously		Compliant
4	4.2	Approval of Erosion and Sediment Control Plan	Require that all Erosion and Sediment Control Plans are approved prior to commencement of the land disturbing activity.	In permit year 1 conduct meetings with VDEQ to identify process and update internal SOP's. In PY2 through PY5 distribute and follow SOP's for Erosion and Sediment Control Plan approval.	Retain copies of all approved plans. Document the number of plans approved annually.	Phase II Water Program Media Manager; NAVFAC CI Division	Continuously		Compliant
4	4.3	VSMP Construction Permit Instruction	Maintain and enforce the VSMP Construction Permit Instruction.	In permit year 1, convert the VSMP Construction Permit Instruction to an internal SOP. In PY 1 through PY 5 distrbute and ensure adherance to SOP.	Track number of VSMP Permits obtained for regulated activities.	Phase II Water Program Media Manager	Continuously		Compliant
4	4.4	Construction Activity SWMP & SWPPP Review	Review SWMPs and SWPPPs to ensure that each plan is consistent with the requirements set forth in the Virginia Stormwater Management Regulations and the VSMP Construction Permit Instruction.	In permit year 1 conduct meetings with VDEQ to identify process and update internal SOP's. In PY2 through PY5 distribute and follow SOP's for Stormwater Management Plan approval.	Retain copies of all approved plans. Document the number of plans approved annually.	Phase II Water Program Media Manager; NAVFAC CI Division	Continuously		Compliant

MCM	BMP Number	BMP Name	BMP Description	Measurable Goals	Metric	Responsible Party	Timeline	PY2 Measurable Goals Progress	PY2 Status of Compliance
4	4.5	Compliance and Enforcement Procedures	Document compliance inspection procedures and enforcement actions.	In permit years 1 through 2, develop the compliance inspection procedures and enforcement actions and conduct quarterly inspections. In permit years 3 through 5, implement these procedures in accordance with the permit requirements.	Retain copies of inspection procedures and enforcement actions.	Phase II Water Program Media Manager	Continuously		Compliant
4	4.6	Tracking and Reporting	Track the number of regulated land-disturbing activities and corresponding information.	In permit years 1 through 2, track the number of land-disturbing activities and total disturbed acreage. In permit years 3 though 5, also track the number of inspections and number and type of enforcement actions.	Track the regulated land-disturbing activities in accordance with Section II of 4.VAC50-60-1240.	Phase II Water Program Media Manager	Continuously		Compliant
5	5.1	Legal Authority	Utilize legal authority to require that stormwater runoff controls are designed and installed in accordance with regulations.	In permit year 1, identify and install legal mechanisms. In permit years 2 through 5, implement these policies and procedures.	Retain copies of documents outlining the policies and procedures.	Phase II Water Program Media Manager	Continuously		Compliant
5	5.2	Inspection, Operation and Maintenance	Require long-term operation and maintenance procedures that include inspection schedules.	In permit year 1, develop operator-owned maintenance and inspection procedures in accordance with Section II of 4.VAC50-60-1240. In permit years 3 through 5, implement these inspection procedures.	Retain operator-owned maintenance and inspection procedures. Retain copies of the inspection reports.	Phase II Water Program Media Manager	Continuously		BMP inspection and maintenance procedures have been developed and inspections are being implemented, but are in the process of developing procedures to ensure BMPs get maintained.
5	5.3	Tracking and Reporting	Maintain an electronic database of all stormwater management facilities.	In permit year 1, update the existing database to include all of the requirements listed in Section II of 4.VAC50-60-1240. In permit years 2 through 5, update the database semi-annually.	Retain a copy of the most current stormwater management facility database.	Phase II Water Program Media Manager	Continuously		Compliant
6	6.1	Written Policies and Procedures	Document policies and procedures to minimize or prevent pollutant discharge from various sources in accordance with Section II of 4.VAC50-60-1240.	In permit years 1 through 2, develop pollution prevention policies and procedures. In permit years 3 through 5, implement these policies and procedures.	Retain copies of the policy and procedural documents.	Phase II Water Program Media Manager	Continuously		Compliant

MCM	BMP Number	BMP Name	BMP Description	Measurable Goals	Metric	Responsible Party	Timeline	PY2 Measurable Goals Progress	PY2 Status of Compliance
6	6.2	SWPPPs	Develop and implement SWPPPs in accordance with Section II of 4.VAC50-60-1240.	In permit year 1, identify the high-priority facilities. In permit years 2 through 4, develop a general SWPPP for these facilities. In permit year 5, implement this SWPPP at each high-priority facility and updated as necessary.	Retain a list of high-priority facilities and a copy of the SWPPP.	Phase II Water Program Media Manager	Continuously		Compliant
6	6.3	Turf and Landscape Nutrient Management	Develop and implement turf and landscape nutrient management plans in accordance with Section II of 4.VAC50-60-1240.	In permit year 1, identify the lands where turf and landscape nutrient management plans are required. In permit years 2 through 5, develop and implement these plans based on the phased approach found in Section II of 4.VAC50-60-1240.	Retain a list of lands requiring turf and landscape nutrient management plans and a copy of each plan.	Phase II Water Program Media Manager	Continuously		Compliant
6	6.4	Training	Provide training in accordance with Section II of 4.VAC50-60-1240 on pollution prevention/good housekeeping to applicable personnel.	In permit year 1, develop a training schedule and program. Also, identify the applicable personnel and generate the training materials. In permit years 2 through 5, implement the training schedule.	Document each training event or ECATTS module. Include the date, number of employees, and training topic.	Phase II Water Program Media Manager	Continuously		Create a written training plan in PY3; include how we determine the type of training each tenant needs and how we ensure the training gets completed
6	6.5	Tracking and Reporting	Provide annual summary reports on that status of requirements outlined in Section II of 4.VAC50-60-1240.	In permit years 1 through 5, provide a summary report on the development and implementation of daily operational procedures, SWPPPs, and nutrient management plans.	Retain a copy of the three summary reports.	Phase II Water Program Media Manager	Annually		Compliant

Appendix B – MS4 Program Project Execution, MS4 PY2/PY3

MS4 Program Project Execution PY2 and PY3

Project Title/Location: Conceptual Designs for Identified Opportunities to Strengthen Storm Water Management to Comply with E.O. 13508 - Chesapeake Bay Protection and Restoration Hampton Roads Installations

Objective

The objective of this study is to complete the engineering analysis necessary to develop 142 conceptual designs for identified opportunities to strengthen storm water management practices on developed and undeveloped lands at Hampton Roads Installations.

Project Title/Location: 2015 Municipal Separate Storm Sewer System Construction Site Inspections for Hampton Roads Installations

Objective

The primary objective of this project is to perform an inspection program for all identified regulated land disturbing activities, and for all non-regulated land disturbing activities greater than one acre, which is consistent with the developed written procedures implemented in accordance with the schedule identified in the permit.

Project Title/Location: 2015 Municipal Separate Storm Sewer System Program Implementation for Hampton Roads Installations

Objective

The primary objectives of this project are to conduct engineering analysis for Stormwater BMPs, utilizing the procedures and tracking mechanism, developed under the previous task order and to conduct engineering analysis to develop NMPs for all lands where nutrients are applied to a contiguous area greater than one acre (excluding Golf Courses). In addition, this project includes updates to the BMP database developed under a previous task order.

Appendix C – Outfall Screening Data for Dam Neck Annex

2014 Dam Neck Annex Illicit Discharge Survey

Naval Air Station Oceana - Dam Neck Annex

Contract No: N62470-10-D-3000
Delivery Order No: WE73

Final Memorandum
Illicit Discharge Survey
February 2015

Prepared for:
NAVFAC Mid-Atlantic
Water Compliance Section
Norfolk, VA 23511

Prepared by:
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A Company of Michael Baker International
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In locations where dry weather flows were identified, the source(s) of the flows should be determined. This will determine whether each source of the flow is a permitted allowable discharge or if corrective action should be taken. Source investigations were conducted using dye tests, smoke tests, and/or remote camera investigation.

Task D.2: Illicit Discharge Source Investigation Report

This memorandum report is the deliverable document to meet the requirements of this subtask. This memorandum identifies illicit discharges discovered during the 2014 IDS, summarizes the findings to identify flow sources, and provides recommendations for compliance with VPDES Industrial Storm Water General Permit No. VAR050407.

Results of the 2014 IDS

A total of thirty-five (35) outfalls were identified for the 2014 IDS at Dam Neck Annex. Outfall 001 is the only regulated industrial outfall at Dam Neck Annex. The remaining thirty-four (34) non-regulated outfalls were also evaluated for dry weather flows. A photo log of the outfalls is presented in **Attachment 2** and completed ORI forms are included as **Attachment 3.**

Regulated Industrial Outfall 001:

Outfall 001 is the only regulated industrial outfall at Dam Neck Annex. Outfall 001 drains from the regulated industrial area located in the northern portion of Dam Neck Annex. Drainage is collected from the western portion of the compound around Buildings 354, 355, 356, and 362 and diverted into a retention basin. The retention basin is designed with an overflow culvert which drains to the regulated industrial Outfall 001 located on the shoreline of Redwing Lake. During the 2014 field investigation, the water level in the retention basin was below the overflow and no flow was observed at Outfall 001. The outfall location was partially submerged by the lake. In addition, no water or flow was observed in the stormwater infrastructure up gradient of the retention basin and outfall.

Non-regulated Outfalls:

A total of 34 non-regulated outfalls (NR-001 through NR-034) were evaluated as part of the 2014 IDS. No dry weather flows were observed at the outfall locations. At locations where the outfall was not visible due to field conditions, excessive vegetation, submersion, or access limitations, up gradient stormwater features were evaluated to determine the presence of flow at the outfall location. Additional details on the outfalls are recorded on the ORI forms presented in **Attachment 3**.

Stormwater System Infrastructure Survey:

A full facility reconnaissance of the stormwater system infrastructure was conducted as part of the 2014 IDS. Accessible storm system infrastructure, including drop inlets, catch basins, and manholes, were visually evaluated for the presence of dry weather flows. The purpose of the infrastructure investigation is to determine the presence of illicit discharges and/or connections that may not be expressed or easily identifiable at the physical outfall location due to field conditions that may retard flow within the storm system prior to the outfall. During the 2014 IDS, two dry weather flows were observed as follows:

- *Building 127*: A flow was observed within a drop inlet near the northwest corner of the building. The up gradient manholes were opened and the flow was confirmed within the storm system lines. Flow was estimated to be 3-5 gallons per minute (gpm) and the water was clear with no floatables or odors. The ultimate discharge of the flow is outfall NR-022; however no flow was noted at stormwater features near outfall NR-022. This is likely because the flow passes through a high volume canal prior to discharge at NR-022.
- *Building 566C*: A flow was observed within a drop inlet near the eastern side of Building 566C. Flow was estimated to be 2-5 gpm, and observed to be variable on subsequent evaluations. The water was slightly stained and had a slight odor. The concrete in the drop inlet and stormwater infrastructure in the down gradient manhole exhibited a gray staining.

Conclusions and Recommendations

Regulated Industrial Outfall 001 and Non-Regulated Outfalls:

A total of 35 outfalls were assessed during the 2014 IDS at Dam Neck Annex. Outfall 001 and the 34 non-regulated outfalls (NR-001 through NR-034) were evaluated for dry weather flows. No dry weather flows attributed to illicit connections were observed at the outfall locations. Generally, all outfalls and drainages are in good shape though vegetation may be excessive at some of the outfalls and stormwater features. No additional investigation or corrective actions are recommended for these outfall locations.

Stormwater System:

A full facility reconnaissance of the stormwater system infrastructure was conducted as part of the 2014 IDS. During the 2014 IDS, dry weather flows were observed at Buildings 127 and 566C. The summary of the source investigation of the flows at these locations is as follows:

- *Building 127*: The flow was observed within a drop inlet near the northwest corner of the building. Observations of the remainder of the storm system indicated that the source of the flow likely originated along the northern side of Building 127, between Building 127 and Building 102; however, the input and source could not be identified through field reconnaissance during the IDS inspection.

  On 25 September 2014, RJN Group of Vienna, Virginia conducted a remote camera investigation, smoke testing, and entry to determine the source of the unknown discharge identified at Building 127. The remote camera identified a 2-inch galvanized steel pipe plumbed into the storm system on the north side of Building 127, approximately 57.5 feet from the down gradient stormwater manhole (identified as "Electric" in the field) as the source of the flow within the storm system. The flow was estimated to be 5 gpm from the pipe. A smoke test was conducted to attempt to determine the source of the pipe; however, the pipe diameter was not large enough to allow for flow of the smoke and the test was inconclusive. The full RJN Group report can be found as **Attachment 4**.

  A sample of the water was collected on 25 September 2014 and analyzed for fluoride by Water Testing Labs of Burke, Virginia. The sample was collected to determine if the source of the water is municipal, condensate, or ground / stormwater. Fluoride is voluntarily added by municipalities to drinking water systems as a public health measure and would be present in a municipally supplied water or waste water and absent from condensate or ground / stormwater.

  The fluoride concentration of the water sample was 0.7 milligrams per Liter (mg/l). This is within range of the City of Virginia Beach municipal water supply, which according to the City of Virginia Beach 2014 Water Quality Report was between 0.1 and 0.9 mg/L for 2013 with an average of 0.5 mg/L. Since the fluoride concentration exceeds the 2013 average fluoride concentration of 0.5 mg/L, the flow / water source is likely municipal potable water and a non-stormwater discharge.

  It should be noted that the City of Virginia Beach typically reports fluoride below the standard level of 1.0 mg/L and the actual municipal concentration at the time of sample collection was unknown. The actual municipal potable water concentration may exceed the 0.7 mg/L (up to 1.0 mg/L), and a potential mixed-

source with other non-municipal water sources (i.e., condensate, groundwater, or stormwater) cannot be ruled out.

On 16 October 2014, Public Works Department (PWD) Oceana Maintenance Shops personnel located and shut off a valve associated with a pipe located in a vault by Building 127. The vault used to be a cool-down well to collect hot steam condensate when the installation's steam plant was in operation and prior to Trane's heating, ventilation, and air conditioning system. Subsequent visual inspections have proven this action successful as the flow has been minimal. Therefore, it is determined that the pipe in the vault was the contributing source to the dry weather flow.

- *Building 566C*: The flow was observed within a drop inlet near the eastern side of Building 566C and drained into a drainage canal east of the building.

  On 2 September 2014, Baker conducted a dye test to determine the source of the flow. Due to the odor and staining of the flow, wastewater / greywater was the suspected source of the flow. Colored fluorescent dye tablets were applied to the suspect wastewater sources within Building 566C and the source of the flow was confirmed to be the wastewater / greywater from the laundry room on the second floor of Building 566C.

  According to site personnel, the flow was attributed to a damaged water supply line outside of Building 566C and a damaged wastewater line inside of Building 566C. The damaged water supply line was leaking outside of the building and the water was running into the crawlspace of the building. While this line contributed to the flow, the volume was not sufficient to address the amount observed at the drop inlet. The damaged wastewater line within the building was also causing wastewater / greywater to accumulate in the crawlspace of the building. The polyvinylchloride line within the drop inlet was determined to be a French drain system from below the building and water accumulating in the crawlspace of the building was draining through the French drain system. Repairs were made to the water supply line outside of the building and the sanitary system plumbing within the building the week of 8 September 2014.

  After initial repairs were made on the plumbing systems, the Dam Neck Annex Environmental Protection Specialist noted that flow was still present at the drop inlet, though flow rate had decreased. On 25 September 2014, Baker conducted a follow-up dye test at Building 566. Dye was applied to the wastewater lines

within the laundry room and input into the wastewater system was increased. Dye and flow was not immediately observed within the drop inlet; however, after a short delay the flow within the drop inlet increased and dye was observed. It is suspected that a wastewater line may not have been satisfactorily repaired or a connection was missed in the crawlspace. An additional work order was placed to assess and repair the wastewater lines within Building 566C.

A leaking wastewater trap was identified in Building 566C. The leaking trap was replaced on 30 September 2014 and subsequent inspections have resulted in minimal flow.

No additional investigation or corrective actions are recommended for the stormwater system infrastructure based on the 2014 IDS investigation.

Attachment 1

Dry Weather Outfall Screening Procedure

Dry Weather Outfall Screening Procedure

Purpose: To screen outfalls during dry weather conditions (no rain event in last 72 hours with less than 0.1 inches of rain) to identify any potential illicit discharges and/or connections to the storm sewer system.

Reference: This procedure was developed based on the Center for Watershed Protection's Illicit Discharge Detection and Elimination (IDDE) Manual (October 2004).

Field Equipment: Field equipment and supplies needed include the following:

- Mapping of outfall locations along with locations of streets and water bodies (rivers and lakes). Aerial imagery is also good if available.
- Hard copies of ORI forms on waterproof paper or field laptop with field data forms (clip board and pencils are needed if using hard copy field forms)
- GPS (may be stand alone or included with laptop if have integrated GPS/GIS system such as Geolink).
- Field boots or waders
- Camera (if allowed)
- Measuring tape
- Sample bottles
- First aid kit

Background-

ORI Section 1: Complete Section 1 of the ORI form including the following information:

- Subwatershed
- Outfall ID
- Date and Time
- Names of Field Workers (Investigators)
- Temperature
- Rainfall Data (last 24 hrs; last 48 hrs)
- Latitude/Longitude (or GPS information)
- Camera (if allowed) and photo numbers
- Land use in drainage area (industrial, ultra-urban residential, suburban residential, commercial, open space, industrial or other)
- Any other important notes such as known industries in the drainage area or the original of the outfall, etc.)

Description-

ORI Section 2: Complete Section 2 of the ORI form to describe the outfall including:

- Whether closed pipe, open drainage or in-stream
- Material of pipe (For closed pipes: RCP, PVC, CMP, HDPE, Steel or other; For open drainage – concrete, earthen, rip-rap or other)
- Shape of pipe (For closed pipes: circular, elliptical, box and if single, double, triple, etc.; For open drainage: trapezoid, parabolic, other)
- Dimensions of the pipe
- If the pipe is submerged in water (partially, fully)
- If the pipe is submerged in sediment (partially, fully)
- If flow is present (Yes/No)
- Flow description (trickle, moderate or substantial)

Characterization-

ORI Section 3: Complete Section 3 of the ORI form to characterize flowing outfalls using one of two methods: 1) the time it takes to fill a container of known volume or 2) the velocity of flow times the estimated cross sectional area of the flow.

Indicators for Flowing

ORI Section 4: Complete Section 4 of the ORI form to document sensory indicators associated with flowing outfalls including odor, color, turbidity and floatables. For each, indicate the relative severity index from 1 to 3 using the guidance on the ORI form.

- Odor (if present and if so, if sewage, rancid/sour, petroleum/gas, sulfide or other)
- Color (if present and if so, if clear, brown, gray, yellow, green, orange, red or other)
- Turbidity (severity documented by slight cloudiness, cloudy or opaque)
- Floatables (excluding trash but associated with either sewage such as toilet paper, suds or petroleum)

Indicators for All

ORI Section 5: Complete Section 5 of the ORI form to document physical indicators for both flowing and non-flowing outfalls including:

- Outfall damage (if spalling, cracking or chipping; peeling paint, corrosion, etc.)
- Deposits/stains (if oily, flow line, paint or other)
- Abnormal vegetation (if excessive or inhibited)
- Poor pool quality (odors, colors, floatables, oil sheen, suds, excessive algae, etc.)
- Pipe benthic growth (brown, orange, green or other).

Overall Characterization

ORI Section 6: Complete Section 6 of the ORI form to document the overall characterization of the outfall relative to likelihood of having an illicit discharge including:

- Unlikely
- Potential (based on the presence of two or more indicators)
- Suspect (based on the presence of one or more indicators with a severity of 3)
- Obvious

Data Collection

ORI Section 7: Complete Section 7 of the ORI form to document sample collection:

- Sample for the lab (Yes/No)
- If sample collected, if collected from stream or pool
- If an intermittent flow trap was set (Yes/No)
- Type of intermittent flow trap (OBM, Caulk Dam)

Miscellaneous

ORI Section 8: Complete Section 8 of the ORI form to document any non-illicit discharge concerns (e.g. trash or needed infrastructure repairs)

Attachment 2

Illicit Discharge Survey Photo Log

Attachment 2
Illicit Discharge Survey Photo Log
Dam Neck Annex

Outfall 001

IMG
Restricted access area

IMG
Restricted access area

Outfall NR-008

IMG_0002
Drainage channel upper

IMG_0003
Drainage channel lower by final outfall

Attachment 2
Illicit Discharge Survey Photo Log
Dam Neck Annex

Outfall NR-009

IMG_0005
Drainage channel upper

IMG_0008
Drainage channel mid

Outfall NR-012

IMG_0021
Drainage channel at final input by road

IMG_0022
Drainage channel mid

Outfall NR-013

IMG_0019
Drainage channel upper

IMG_0020
Drainage channel lower

Outfall NR-014

IMG_0017
Drainage channel upper

IMG_0018
Drainage channel mid

Outfall NR-015

IMG_0034
Drainage channel upper near road

IMG_0035
Drainage channel lower

Outfall NR-016

IMG_0032
Drainage channel upper near road

IMG_0033
Drainage channel lower

Outfall NR-017

IMG_0029
Drainage channel upper

IMG_0030
Drainage channel mid

Outfall NR-018

IMG_0025
Drainage channel upper at final input

IMG_0026
Drainage channel mid/ lower at outfall

Outfall NR-019

IMG_0036
Outfall location

IMG_0037
Outfall location down channel

Outfall NR-021

IMG_0044
Drainage channel mid

IMG_0045
Drainage channel lower at oufall

Outfall NR-022

IMG_0047
Drainage channel upper at head

IMG_0049
Drainage channel upper near head

Outfall NR-023

IMG_0038
Drainage channel mid

IMG_0040
Drainage channel mid

Outfall NR-024

IMG_0041
Drainage channel upper

IMG_0043
Drainage channel mid

Outfall NR-025

IMG_0067
Final input point before discharge

IMG_0068
Drainage channel head

Outfall NR-026

IMG_0052
Drainage channel upper

IMG_0055
Drainage channel lower to outfall

Outfall NR-027

IMG_0051
Drainage channel upper

IMG_0052
Drainage channel mid, looking down dry channel

Outfall NR-028

IMG_0063
Drainage channel at outfall location

IMG_0066
Drainage channel below outfall

Outfall NR-031

IMG_0056
Drainage channel upper at head

IMG_0057
Drainage channel upper

Outfall NR-032

IMG_0058
Drainage channel upper at head

IMG_0059
Drainage channel upper through vegetation

Outfall NR-033

IMG_0061
Drainage channel at outfall location

IMG_0062
Drainage channel at outfall

Outfall NR-034

IMG_0001
Final point of input to outfall

Attachment 3

Completed ORI Forms for Dam Neck Annex Outfalls

Based on Outfall Reconnaissance Inventory Field Data Form from the Center for Watershed Protection's Illicit Discharge Detection and Elimination (IDDE) Manual (October 2004)

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Dam Neck Annex, Virginia Beach, Virginia
N62470-10-D-3000, Delivery Order WE73

Section 1: Background Data

Map Tile: 6		Outfall ID: Outfall 001
Today's date: 28 July 2014		Time (Military): 1600
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 86	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00	
Camera: n/a		Photo #s: n/a

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: Engine maintenance and repairs, surface preparation, paint removal, sanding, painting, and material storage and handling

Notes (e.g.., origin of outfall, if known): Drainage from NSWDG Complex.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: Est 24"	In Water: ☐ No ☒ Partially ☐ Fully With Sediment: ☐ No ☒ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: _____ Top Width: _____ Bottom Width: _____	
Flow Present?	☐ Yes ☒ No ***If No, Skip to Section 5***				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None

Note: Infrastructure – Overflow drainage/ retention basin with overflow culvert. Drainage into lake. Water level below the overflow in retention basin. Lake/ marsh level approximately halfway up outfall. Partially submerged.

Outfall Reconnaissance Inventory Field Sheet

Section 4: Physical Indicators for Flowing Outfalls Only **Outfall ID: 001**

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Dam Neck Annex, Virginia Beach, Virginia
N62470-10-D-3000, Delivery Order WE73

Section 1: Background Data

Map Tile: 3		Outfall ID: DNA NR-001
Today's date: 28 July 2014		Time (Military): 1040
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 84	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00	
Camera: Canon Powershot		Photo #s: n/a secure area

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☒ Open Space
- ☐ Ultra-Urban Residential
- ☐ Institutional
- ☐ Suburban Residential
- Other: Forested land/ road drainage
- ☐ Commercial
- Known Industries:

Notes (e.g.., origin of outfall, if known): Road and field drainage along Regulus Ave near bunkers.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☐ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☐ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: _____	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
☒ **Open drainage**	☐ Concrete ☒ Earthen ☐ Rip-rap ☐ Other: _____	☒ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: ~3′ varies Top Width: ~3′ Bottom Width: ~1'	
Flow Present?	☐ Yes ☒ No ***If No, Skip to Section 5***				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None

No flow or standing water present in drainage.

Outfall Reconnaissance Inventory Field Sheet

Section 4: Physical Indicators for Flowing Outfalls Only **Outfall ID: NR-001**

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Dam Neck Annex, Virginia Beach, Virginia
N62470-10-D-3000, Delivery Order WE73

Section 1: Background Data

Map Tile: 3		Outfall ID: NR-002
Today's date: 28 July 2014		Time (Military): 1025
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 84	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00	
Camera: Canon Powershot		Photo #s: n/a secured area

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☒ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: _____

Notes (e.g.., origin of outfall, if known): Road and field drainage near bunkers.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☐ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☐ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: _____	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
☒ **Open drainage**	☐ Concrete ☒ Earthen ☐ Rip-rap ☐ Other: _____	☒ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: 3-4′ Top Width: ~ 6′ Bottom Width: ~ 3′	
Flow Present?	☐ Yes ☒ No ***If No, Skip to Section 5***				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None

No standing water/ flow observed.

Outfall Reconnaissance Inventory Field Sheet

Section 4: Physical Indicators for Flowing Outfalls Only **Outfall ID: NR-002**

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Dam Neck Annex, Virginia Beach, Virginia
N62470-10-D-3000, Delivery Order WE73

Section 1: Background Data

Map Tile: 3		Outfall ID: NR-003
Today's date:		Time (Military): 1015
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 84	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00	
Camera: Canon Powershot		Photo #s: n/a secured area

Land Use in Drainage Area (Check all that apply):

☐ Industrial ☒ Open Space

☐ Ultra-Urban Residential ☐ Institutional

☐ Suburban Residential Other: _____

☐ Commercial Known Industries:_____

Notes (e.g.., origin of outfall, if known): Field, forest, road drainage directly adjacent to outfall.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☐ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☐ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: _____	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
☒ **Open drainage**	☐ Concrete ☒ Earthen ☐ Rip-rap ☐ Other: _____	☒ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: ~3′ Top Width: ~8′ Bottom Width: ~4′	
Flow Present?	☐ Yes ☒ No ***If No, Skip to Section 5***				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None

No water/ flow present in drainage.

Outfall Reconnaissance Inventory Field Sheet

Section 4: Physical Indicators for Flowing Outfalls Only **Outfall ID: NR-003**

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Dam Neck Annex, Virginia Beach, Virginia
N62470-10-D-3000, Delivery Order WE73

Section 1: Background Data

Map Tile: 5		Outfall ID: NR-004
Today's date: 28 July 2014		Time (Military): 1100
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 85	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00	
Camera: Canon Powershot		Photo #s: n/a secure area

Land Use in Drainage Area (Check all that apply):

☐ Industrial ☒ Open Space

☐ Ultra-Urban Residential ☐ Institutional

☐ Suburban Residential Other: _____

☐ Commercial Known Industries:_____

Notes (e.g.., origin of outfall, if known): Road/ field drainage – slightly overgrown.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☐ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☐ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: _____	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
☒ **Open drainage**	☐ Concrete ☒ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☒ Parabolic ☐ Other: _____		Depth: ~1.5′ varies Top Width: ~3′ Bottom Width: ~1′	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None

No standing water or flow present.

Outfall Reconnaissance Inventory Field Sheet

Section 4: Physical Indicators for Flowing Outfalls Only **Outfall ID: NR-004**

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Dam Neck Annex, Virginia Beach, Virginia
N62470-10-D-3000, Delivery Order WE73

Section 1: Background Data

Map Tile: 6		Outfall ID: NR-005
Today's date: 28 July 2014		Time (Military): 1005
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 86	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00	
Camera: Canon Powershot		Photo #s: n/a secured area

Land Use in Drainage Area (Check all that apply):

☒ Industrial ☐ Open Space

☐ Ultra-Urban Residential ☐ Institutional

☐ Suburban Residential Other: _____

☐ Commercial Known Industries: Ship and boat building or repair yards

Notes (e.g.., origin of outfall, if known): Lot drainage between Buildings 302 & 304.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☒ Other: unknown, likely RCP	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 18"	In Water: ☐ No ☐ Partially ☐ Fully unknown With Sediment: ☐ No ☐ Partially ☐ Fully unknown
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: _____ Top Width: _____ Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None

End of pipe not visible through vegetation, assumed to be single 18" pipe (likely RCP) based on drawings and observations made in last drop inlet prior to outfall discharge. No flow or indicators present in upgradient features.

Outfall Reconnaissance Inventory Field Sheet

Section 4: Physical Indicators for Flowing Outfalls Only **Outfall ID: NR-005**

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Dam Neck Annex, Virginia Beach, Virginia
N62470-10-D-3000, Delivery Order WE73

Section 1: Background Data

Map Tile: 6		Outfall ID: NR-006
Today's date: 28 July 2014		Time (Military): 1110
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 86	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00	
Camera: Canon Powershot		Photo #s: n/a secure area

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: Ship and boat building or repair, vehicle maintenance, vehicle washing, vehicle and boat fueling

Notes (e.g.., origin of outfall, if known): Open drainage south of Building 307, and along Regulus Ave (east of road).

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☐ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☐ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: _____	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
☒ **Open drainage**	☐ Concrete ☒ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☒ Parabolic ☐ Other: _____		Depth: varies Top Width: _____ Bottom Width: Channel narrow and deeper near head becomes wider and more shallow near outfall location	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None

No standing water or indicators/ flow present. Some construction near head may have drainage temporarily diverted or retained but channel is mostly open.

Outfall Reconnaissance Inventory Field Sheet

Section 4: Physical Indicators for Flowing Outfalls Only **Outfall ID: NR-006**

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Dam Neck Annex, Virginia Beach, Virginia
N62470-10-D-3000, Delivery Order WE73

Section 1: Background Data

Map Tile: 9		Outfall ID: NR-007
Today's date: 28 July 2014		Time (Military): 1120
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 85	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00	
Camera: Canon Powershot		Photo #s: n/a secured area

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☒ Open Space
- ☐ Ultra-Urban Residential
- ☐ Institutional
- ☐ Suburban Residential
- Other: _____
- ☐ Commercial
- Known Industries:_____

Notes (e.g.., origin of outfall, if known): Open drainage for forested area. Some drainage via sheet flow from area west of Regulus Ave.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☐ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☐ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: _____	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
☒ **Open drainage**	☐ Concrete ☒ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☒ Parabolic ☐ Other: _____		Depth: _____ Top Width: _____ Bottom Width: varies	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None

No flow or indicators present. Location in wooded area is fairly dense. Drainage is not well defined in some areas or not recognizable in vegetation.

Outfall Reconnaissance Inventory Field Sheet

Section 4: Physical Indicators for Flowing Outfalls Only **Outfall ID: NR-007**

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Dam Neck Annex, Virginia Beach, Virginia
N62470-10-D-3000, Delivery Order WE73

Section 1: Background Data

Map Tile: 9		Outfall ID: NR-008
Today's date: 28 July 2014		Time (Military): 1135
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 86	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00	
Camera: Canon Powershot		Photo #s: 002-004

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☒ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: _____

Notes (e.g.., origin of outfall, if known): Drainage south of Building 226 – Navy Lodge and Navy Lodge parking lot. Also, drainage from parking lot west of Building 225 and east of Regulus Ave.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☐ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☐ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: _____	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
☒ **Open drainage**	☐ Concrete ☒ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☒ Parabolic ☐ Other: _____		Depth: ~2-3′ Top Width: ~6-8′ Bottom Width: ~5-7′	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None

There is standing water throughout most of the drainage channel south of Building 226. No obvious flow or other indicators present. No flow observed in features immediately upgradient of the outfall or drainage land. Vegetation is slightly overgrown, but mostly upland vegetation.

Outfall Reconnaissance Inventory Field Sheet

Section 4: Physical Indicators for Flowing Outfalls Only **Outfall ID: NR-008**

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Dam Neck Annex, Virginia Beach, Virginia
N62470-10-D-3000, Delivery Order WE73

Section 1: Background Data

Map Tile: 11		Outfall ID: NR-009
Today's date: 28 July 2014		Time (Military): 1235
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 90	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00	
Camera: Canon Powershot		Photo #s: 005-010

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☒ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: _____

Notes (e.g.., origin of outfall, if known): Drainage from sheet flow west of Terrier Ave.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☐ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☐ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: _____	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
☒ **Open drainage**	☐ Concrete ☒ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☒ Other: varies		Depth: _____ Top Width: _____ Bottom Width: varies	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?

None

- Drainage channel widely varies. It is wide in places and runs through a swampy/ marshy area. A number of obligate species are present throughout area.
- Channel not well defined in some areas.
- No flow or indicators present.
- Vegetation heavy in some areas.

Outfall Reconnaissance Inventory Field Sheet

Section 4: Physical Indicators for Flowing Outfalls Only **Outfall ID: NR-009**

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Dam Neck Annex, Virginia Beach, Virginia
N62470-10-D-3000, Delivery Order WE73

Section 1: Background Data

Map Tile: 11	Outfall ID: NR-010
Today's date: 28 July 2014	Time (Military): 1205
Investigators: J. Oliver	Form completed by: J. Oliver
Temperature (°F): 90	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00
Camera: Canon Powershot	Photo #s: n/a due to proximity to front gate

Land Use in Drainage Area (Check all that apply):

☐ Industrial ☐ Open Space

☐ Ultra-Urban Residential ☐ Institutional

☐ Suburban Residential Other: Road drainage

☐ Commercial Known Industries:_____

Notes (e.g.., origin of outfall, if known): Drainage north of Dam Neck Road immediately north of the front gate (Building 547).

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 15"	In Water: ☐ No ☐ Partially ☐ Fully unknown With Sediment: ☐ No ☐ Partially ☐ Fully unknown
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: _____ Top Width: _____ Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?

None

- Outfall pipe appears to be buried beneath rip-rap with vegetation covering rip-rap. Description based on drawing and features observed upgradient.
- Drains into large drainage canal.
- No flow or indicators observed in upgradient drainage features (primarily curb inlets on Dam Neck Road).

Outfall Reconnaissance Inventory Field Sheet

Section 4: Physical Indicators for Flowing Outfalls Only **Outfall ID: NR-010**

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Dam Neck Annex, Virginia Beach, Virginia
N62470-10-D-3000, Delivery Order WE73

Section 1: Background Data

Map Tile: 11		Outfall ID: NR-011
Today's date: 28 July 2014		Time (Military): 1200
Investigators: J Oliver		Form completed by: J. Oliver
Temperature (°F): 90	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00	
Camera: Canon Powershot		Photo #s: N/A due to proximity to gate

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: Road drainage
- Known Industries:

Notes (e.g.., origin of outfall, if known): Road drainage south of Dam Neck Road near gate house Building 547.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 15"	In Water: ☐ No ☐ Partially ☐ Fully unknown With Sediment: ☐ No ☐ Partially ☐ Fully unknown
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: _____ Top Width: _____ Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None

- Outfall pipe not visible at outfall, may be buried or covered in vegetation.
- Fed from single curb inlet on south side of Dam Neck Road.
- No water, flow, or indicators present in curb inlet.

Outfall Reconnaissance Inventory Field Sheet

Section 4: Physical Indicators for Flowing Outfalls Only **Outfall ID: NR-011**

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Dam Neck Annex, Virginia Beach, Virginia
N62470-10-D-3000, Delivery Order WE73

Section 1: Background Data

Map Tile: 13		Outfall ID: NR-012
Today's date: 29 July 2014		Time (Military): 1212
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 90	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00	
Camera: Canon Powershot		Photo #s: 021-023 / 024

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☒ Open Space
- ☐ Ultra-Urban Residential
- ☐ Institutional
- ☐ Suburban Residential
- Other: _____
- ☐ Commercial
- Known Industries:_____

Notes (e.g.., origin of outfall, if known): Drainage from road – Terrier Ave.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☐ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☐ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: _____	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
☒ **Open drainage**	☐ Concrete ☒ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☒ Parabolic ☐ Other: _____		Depth: _____ Top Width: _____ Bottom Width: varies	
Flow Present?	☐ Yes ☒ No ***If No, Skip to Section 5***				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None

- No flow at road curb inlet.
- Outfall/ drainage channel through wooded area.
- Drainage channel not well defined through marshy area with obligate wetland species.
- Note – southern curb inlet present on map was not observed in field.

Outfall Reconnaissance Inventory Field Sheet

Section 4: Physical Indicators for Flowing Outfalls Only **Outfall ID: NR-012**

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Dam Neck Annex, Virginia Beach, Virginia
N62470-10-D-3000, Delivery Order WE73

Section 1: Background Data

Map Tile: 13		Outfall ID: NR-013
Today's date: 29 July 2014		Time (Military): 1201
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 90	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00	
Camera: Canon Powershot		Photo #s: 019-020

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☒ Open Space
- ☐ Ultra-Urban Residential
- ☐ Institutional
- ☐ Suburban Residential
- Other: Road/ parking lot drainage.
- ☐ Commercial
- Known Industries:

Notes (e.g.., origin of outfall, if known): Drainage from road and parking lot in front of Building 504.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☐ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☐ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: _____	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
☒ **Open drainage**	☐ Concrete ☒ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☒ Parabolic ☐ Other: _____		Depth: varies Top Width: _____ Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None

No flow or indicators present. Channel through wooded area, no standing water observed near road but area wet with some obligate wetland plants.

Outfall Reconnaissance Inventory Field Sheet

Section 4: Physical Indicators for Flowing Outfalls Only **Outfall ID: NR-013**

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Dam Neck Annex, Virginia Beach, Virginia
N62470-10-D-3000, Delivery Order WE73

Section 1: Background Data

Map Tile: 15		Outfall ID: NR-014
Today's date: 29 July 2014		Time (Military): 1155
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 89	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00	
Camera: Canon Powershot		Photo #s: 015-018

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☒ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: Parking lot drainage.
- Known Industries:

Notes (e.g.., origin of outfall, if known): Open area and parking lots around Building 501, 502.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☐ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☐ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: _____	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
☒ **Open drainage**	☐ Concrete ☒ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☒ Parabolic ☐ Other: _____		Depth: 1-2′ Top Width: 4-5′ Bottom Width: 1-2′	
Flow Present?	☐ Yes ☒ No ***If No, Skip to Section 5***				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None

- No flow or other indicators.
- Drainage channel dry near head. No flow observed in upgradient features.
- Standing water north of Building 501 to west, no flow or indicators.

Outfall Reconnaissance Inventory Field Sheet

Section 4: Physical Indicators for Flowing Outfalls Only **Outfall ID: NR-014**

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Dam Neck Annex, Virginia Beach, Virginia
N62470-10-D-3000, Delivery Order WE73

Section 1: Background Data

Map Tile: 15		Outfall ID: NR-015
Today's date: 29 July 2014		Time (Military): 1415
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 90	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00	
Camera: Canon Powershot		Photo #s: 034-035

Land Use in Drainage Area (Check all that apply):

☐ Industrial ☐ Open Space

☐ Ultra-Urban Residential ☐ Institutional

☐ Suburban Residential Other: Parking lot & road drainage.

☐ Commercial Known Industries:

Notes (e.g.., origin of outfall, if known): Drainage along Tartar Ave and parking lot north of Building 508.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☐ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☐ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: _____	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
☒ **Open drainage**	☐ Concrete ☒ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☒ Parabolic ☐ Other: _____		Depth: ~1′ Top Width: ~3′ Bottom Width: ~2′	
Flow Present?	☐ Yes ☒ No ***If No, Skip to Section 5***				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None

- No flow or indicators present.
- 24" RCP at head of drainage channel partially buried and submerged.
- Channel open and well defined.

Outfall Reconnaissance Inventory Field Sheet

Section 4: Physical Indicators for Flowing Outfalls Only **Outfall ID: NR-015**

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Dam Neck Annex, Virginia Beach, Virginia
N62470-10-D-3000, Delivery Order WE73

Section 1: Background Data

Map Tile: 15		Outfall ID: NR-016
Today's date: 29 July 2014		Time (Military): 1410
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 90	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00	
Camera: Canon Powershot		Photo #s: 032-033

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☒ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: Parking lot
- Known Industries:

Notes (e.g.., origin of outfall, if known): Parking lot and area surrounding Building 508.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 24"	In Water: ☐ No ☐ Partially ☒ Fully With Sediment: ☐ No ☒ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: _____ Top Width: _____ Bottom Width: _____	
Flow Present?	☐ Yes ☒ No ***If No, Skip to Section 5***				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None

- No flow or indicators present.
- Pipe not fully visible at outfall. Description based on observations at outfall and features upgradient.
- Outfall mostly submerged in pool.
- Channel open and well defined.

Outfall Reconnaissance Inventory Field Sheet

Section 4: Physical Indicators for Flowing Outfalls Only **Outfall ID: NR-016**

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Dam Neck Annex, Virginia Beach, Virginia
N62470-10-D-3000, Delivery Order WE73

Section 1: Background Data

Map Tile: 15		Outfall ID: NR-017
Today's date: 29 July 2014		Time (Military): 1400
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 90	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00	
Camera: Canon Powershot		Photo #s: 029-031

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: Parking lot
- Known Industries:

Notes (e.g.., origin of outfall, if known): Parking lot drainage west of Building 508.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 15"	In Water: ☐ No ☒ Partially ☐ Fully With Sediment: ☐ No ☒ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: _____ Top Width: _____ Bottom Width: _____	
Flow Present?	☐ Yes ☒ No ***If No, Skip to Section 5***				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None

- Pool present at outfall – with standing water.
- No flow or other indicators present.

Outfall Reconnaissance Inventory Field Sheet

Section 4: Physical Indicators for Flowing Outfalls Only **Outfall ID: NR-017**

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Dam Neck Annex, Virginia Beach, Virginia
N62470-10-D-3000, Delivery Order WE73

Section 1: Background Data

Map Tile: 15		Outfall ID: NR-018
Today's date: 29 July 2014		Time (Military): 1350
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 90	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00	
Camera: Canon Powershot		Photo #s: 025-028

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: Road drainage and some area around buildings
- Known Industries:_____

Notes (e.g.., origin of outfall, if known): Area around Terrier Ave. and some area north of Building 522.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☐ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☐ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: _____	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
☒ **Open drainage**	☐ Concrete ☒ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☒ Parabolic ☐ Other: _____		Depth: unknown Top Width: 8-10′ Bottom Width: unknown	
Flow Present?	☐ Yes ☒ No ***If No, Skip to Section 5***				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None

- Standing water at outfall and head where ~24" RCP drops in.
- No flow or indicators present.
- RCP pipe mostly submerged at head of outfall.

Outfall Reconnaissance Inventory Field Sheet

Section 4: Physical Indicators for Flowing Outfalls Only **Outfall ID: NR-018**

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Dam Neck Annex, Virginia Beach, Virginia
N62470-10-D-3000, Delivery Order WE73

Section 1: Background Data

Map Tile: 17		Outfall ID: NR-019
Today's date: 29 July 2014		Time (Military): 1425
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 91	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00	
Camera: Canon Powershot		Photo #s: 036-037

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: Road drainage and area around buildings.
- Known Industries:

Notes (e.g.., origin of outfall, if known): Area around Building 543 and area of Tartar Road.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: unknown	In Water: ☐ No ☐ Partially ☒ Fully With Sediment: ☐ No ☐ Partially ☐ Fully unknown
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: _____ Top Width: _____ Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None

- Pipe fully submerged at outfall. Vegetation indicators are likely permanently submerged.
- No flow or indicators in upgradient features.

Outfall Reconnaissance Inventory Field Sheet

Section 4: Physical Indicators for Flowing Outfalls Only **Outfall ID: NR-019**

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Dam Neck Annex, Virginia Beach, Virginia
N62470-10-D-3000, Delivery Order WE73

Section 1: Background Data

Map Tile: 17		Outfall ID: NR-020
Today's date: 29 July 2014		Time (Military): 1540
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 90	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00	
Camera: Canon Powershot		Photo #s: none

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☒ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: Road and building drainage
- Known Industries:

Notes (e.g.., origin of outfall, if known): Parking lot and road drainage south of Building 543. Open area around Building 616.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☐ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☐ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: _____	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
☒ **Open drainage**	☐ Concrete ☒ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☒ Other: unknown		Depth: unknown Top Width: unknown Bottom Width: unknown	
Flow Present?	☐ Yes ☒ No ***If No, Skip to Section 5***				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None

- No flow or indicators present in upgradient features.
- End of pipe not visible through vegetation.

Outfall Reconnaissance Inventory Field Sheet

Section 4: Physical Indicators for Flowing Outfalls Only **Outfall ID: NR-020**

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Dam Neck Annex, Virginia Beach, Virginia
N62470-10-D-3000, Delivery Order WE73

Section 1: Background Data

Map Tile: 17		Outfall ID: NR-021
Today's date: 29 July 2014		Time (Military): 1450
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 90	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00	
Camera: Canon Powershot		Photo #s: 044-046

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☒ Open Space
- ☐ Ultra-Urban Residential
- ☐ Institutional
- ☐ Suburban Residential
- Other: _____
- ☐ Commercial
- Known Industries:_____

Notes (e.g.., origin of outfall, if known): Open area south of Polaris St., area east of Building 586 and south of Building 524.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☐ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☐ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: _____	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
☒ **Open drainage**	☐ Concrete ☒ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☒ Parabolic ☐ Other: _____		Depth: unknown Top Width: 10-15′ Bottom Width: unknown	
Flow Present?	☐ Yes ☒ No ***If No, Skip to Section 5***				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None

- Large open drainage ditch – drains into lake/wetland area.
- Unknown depth.
- No flow or other indicators present.

Outfall Reconnaissance Inventory Field Sheet

Section 4: Physical Indicators for Flowing Outfalls Only **Outfall ID: NR-021**

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Dam Neck Annex, Virginia Beach, Virginia
N62470-10-D-3000, Delivery Order WE73

Section 1: Background Data

Map Tile: 18		Outfall ID: NR-022
Today's date: 29 July 2014		Time (Military): 1455
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 90	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00	
Camera: Canon Powershot		Photo #s: 047-049

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☒ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: _____

Notes (e.g.., origin of outfall, if known): Drainage for buildings/ parking lots in central portion of base.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☐ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☐ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: _____	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
☒ **Open drainage**	☐ Concrete ☒ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☒ Parabolic ☐ Other: _____		Depth: unknown Top Width: 8-12′ Bottom Width: unknown	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
No flow or indicators at last point of inlet to outfall. Non-stormwater flows discovered at Buildings 127 and 566.

- Open drainage through wetland area.
- Some debris and trash present at drainage pipe.
- No indicators of flow or other illicit discharges.

Outfall Reconnaissance Inventory Field Sheet

Section 4: Physical Indicators for Flowing Outfalls Only **Outfall ID: NR-022**

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

NOTE: SOME TRASH AT FINAL DISCHARGE AT HEAD OF OUTFALL

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Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Dam Neck Annex, Virginia Beach, Virginia
N62470-10-D-3000, Delivery Order WE73

Section 1: Background Data

Map Tile: 17		Outfall ID: NR-023
Today's date: 29 July 2014		Time (Military): 1435
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 90	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00	
Camera: Canon Powershot		Photo #s: 038-040

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: Roof drainage/ Road/ Parking lots
- Known Industries: _____

Notes (e.g.., origin of outfall, if known): Roof drainage from Building 586. Open areas and parking lots near Buildings 525 and 586.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☐ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☐ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: _____	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
☒ **Open drainage**	☐ Concrete ☒ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☒ Parabolic ☐ Other: _____		Depth: ~2-3′ Top Width: 8-10′ Bottom Width: unknown	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None

- Open drainage from roofs and parking lots.
- No flow at upgradient features. No flow or indicators observed at outfall.
- Standing water present throughout most of the open channel.

Outfall Reconnaissance Inventory Field Sheet

Section 4: Physical Indicators for Flowing Outfalls Only **Outfall ID: NR-023**

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Dam Neck Annex, Virginia Beach, Virginia
N62470-10-D-3000, Delivery Order WE73

Section 1: Background Data

Map Tile: 17		Outfall ID: NR-024
Today's date: 29 July 2014		Time (Military): 1440
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 90	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00	
Camera:		Photo #s: 041-043

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: Roof drainage (Building 586) parking lots
- Known Industries:_____

Notes (e.g.., origin of outfall, if known): Roof drainage of eastern portion of Building 586 and parking lot south of Building 586.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☐ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☐ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: _____	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
☒ **Open drainage**	☐ Concrete ☒ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☒ Parabolic ☐ Other: _____		Depth: unknown Top Width: ~6′ Bottom Width: unknown	
Flow Present?	☐ Yes ☒ No ***If No, Skip to Section 5***				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None

- No flow or indicators at outfall. No flow or indicators observed at upgradient features.
- Standing water present throughout earthen drainage, and ingress pipes upgradient submerged and partially buried with pools.

Outfall Reconnaissance Inventory Field Sheet

Section 4: Physical Indicators for Flowing Outfalls Only **Outfall ID: NR-024**

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Dam Neck Annex, Virginia Beach, Virginia
N62470-10-D-3000, Delivery Order WE73

Section 1: Background Data

Map Tile: 17		Outfall ID: NR-025
Today's date: 30 July 2014		Time (Military): 1230
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 90	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00	
Camera: Canon Powershot		Photo #s: 067-069

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☒ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: lot drainage through slope
- Known Industries:

Notes (e.g.., origin of outfall, if known): Parking lots and road drainage around Buildings 527, 526, 585, and 558.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☐ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☐ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: _____	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
☒ **Open drainage**	☐ Concrete ☒ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☒ Parabolic ☐ Other: _____		Depth: unknown Top Width: unknown Bottom Width: unknown	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?

None

- Could not locate pipe/ drainage at head of outfall.
- Final drop inlet full of water (no flow). Outlet pipe may be buried and backing up system.
- No standing water observed at head of outfall below where outlet pipe suspected to be.
- Standing water near outfall location.
- No flow or indicators in upgradient features.

Outfall Reconnaissance Inventory Field Sheet

Section 4: Physical Indicators for Flowing Outfalls Only **Outfall ID: NR-025**

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Dam Neck Annex, Virginia Beach, Virginia
N62470-10-D-3000, Delivery Order WE73

Section 1: Background Data

Map Tile: 18		Outfall ID: NR-026
Today's date: 29 July 2014		Time (Military): 1520
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 90	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00	
Camera: Canon Powershot		Photo #s: 052 - 055

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: Open space, parking lots, Building 420
- Known Industries:_____

Notes (e.g.., origin of outfall, if known): Parking lot around Building 420, open areas.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☐ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☐ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: _____	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
☒ **Open drainage**	☐ Concrete ☒ Earthen ☐ Rip-rap ☐ Other: _____	☒ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: 2-3′ Top Width: 8-11′ Bottom Width: 6-10′	
Flow Present?	☐ Yes ☒ No ***If No, Skip to Section 5***				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None

- Outlet pipes feeding to open drainage.
- No flow or other indicators present.

Outfall Reconnaissance Inventory Field Sheet

Section 4: Physical Indicators for Flowing Outfalls Only **Outfall ID: NR-026**

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Dam Neck Annex, Virginia Beach, Virginia
N62470-10-D-3000, Delivery Order WE73

Section 1: Background Data

Map Tile: 17		Outfall ID: NR-027
Today's date: 29 July 2014		Time (Military): 1420
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 90	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00	
Camera: Canon Powershot		Photo #s: 050 - 051

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☒ Open Space
- ☐ Ultra-Urban Residential
- ☐ Institutional
- ☐ Suburban Residential
- Other: area around Building 529/ water towers
- ☐ Commercial
- Known Industries:

Notes (e.g.., origin of outfall, if known): Open area, road drainage, area surrounding Building 529.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☐ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☐ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: _____	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
☒ **Open drainage**	☐ Concrete ☒ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☒ Parabolic ☐ Other: _____		Depth: ~1′ Top Width: ~3′ Bottom Width: ~2′	
Flow Present?	☐ Yes ☒ No ***If No, Skip to Section 5***				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None

- Outlet pipe mostly buried.
- Upgradient features immediately upgradient not observed. May be covered due to construction activities.
- No standing water, flows, or other indicators observed in drainage ditch.

Outfall Reconnaissance Inventory Field Sheet

Section 4: Physical Indicators for Flowing Outfalls Only **Outfall ID: NR-027**

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Dam Neck Annex, Virginia Beach, Virginia
N62470-10-D-3000, Delivery Order WE73

Section 1: Background Data

Map Tile: 17		Outfall ID: NR-028
Today's date: 30 July 2014		Time (Military): 1210
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 85	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00	
Camera: Canon Powershot		Photo #s: 063 - 066

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☒ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: area around Building 559
- Known Industries:

Notes (e.g.., origin of outfall, if known): Area around Building 559.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☐ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☐ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: _____	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
☒ **Open drainage**	☐ Concrete ☒ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☒ Parabolic ☐ Other: _____		Depth: unknown Top Width: 6-8′ Bottom Width: 5-7′	
Flow Present?	☐ Yes ☒ No ***If No, Skip to Section 5***				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None

- No flow or other indicators present.
- Standing water and obligate vegetation present throughout drainage.

Outfall Reconnaissance Inventory Field Sheet

Section 4: Physical Indicators for Flowing Outfalls Only **Outfall ID: NR-028**

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Dam Neck Annex, Virginia Beach, Virginia
N62470-10-D-3000, Delivery Order WE73

Section 1: Background Data

Map Tile: 15		Outfall ID: NR-029
Today's date: 27 August 2014		Time (Military): 1100
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 75	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00	
Camera: Canon Powershot		Photo #s: N/A: Secure Area

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: area around Building 619
- Known Industries:

Notes (e.g.., origin of outfall, if known): Area around Building 619.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☐ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☐ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: _____	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
☒ **Open drainage**	☐ Concrete ☒ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☒ Parabolic ☐ Other: _____		Depth: unknown Top Width: 6-8′ Bottom Width: 5-7′	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None

- Two parabolic drainage ditches on the west side of the facility feed a 15" RCP culvert across the road to [a likely parabolic] open drainage of unknown size that leads to the outfall on Lake Tecumseh.
- No flow or other indicators present.
-

Outfall Reconnaissance Inventory Field Sheet

Section 4: Physical Indicators for Flowing Outfalls Only **Outfall ID: NR-029**

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Dam Neck Annex, Virginia Beach, Virginia
N62470-10-D-3000, Delivery Order WE73

Section 1: Background Data

Map Tile: 22		Outfall ID: NR-030
Today's date: 30 July 2014		Time (Military): 0900
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 81	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00	
Camera: Canon Powershot		Photo #s: None

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☒ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: _____

Notes (e.g.., origin of outfall, if known): Open space, road drainage, and area around Building 430.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☐ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☐ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: _____	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
☒ **Open drainage**	☐ Concrete ☒ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☒ Parabolic ☐ Other: _____		Depth: varies Top Width: _____ Bottom Width: varies	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None

- No standing water throughout drainage features.
- No flow or other indicators present.

Outfall Reconnaissance Inventory Field Sheet

Section 4: Physical Indicators for Flowing Outfalls Only **Outfall ID: NR-030**

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Dam Neck Annex, Virginia Beach, Virginia
N62470-10-D-3000, Delivery Order WE73

Section 1: Background Data

Map Tile: 24/25	Outfall ID: NR-031
Today's date: 30 July 2014	Time (Military): 1000
Investigators: J. Oliver	Form completed by: J. Oliver
Temperature (°F): 85	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00
Camera: Canon Powershot	Photo #s: 056 - 057

Land Use in Drainage Area (Check all that apply):

☐ Industrial ☐ Open Space

☐ Ultra-Urban Residential ☐ Institutional

☐ Suburban Residential Other: Road

☒ Commercial Known Industries:

Notes (e.g.., origin of outfall, if known): Drainage from lot west of Building 464 and along road.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☐ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☐ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: _____	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
☒ **Open drainage**	☐ Concrete ☒ Earthen ☐ Rip-rap ☐ Other: _____	☒ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: ~1-2′ Top Width: 4-6′ Bottom Width: 3-5′	
Flow Present?	☐ Yes ☒ No ***If No, Skip to Section 5***				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None

- Drainage dry. No flow or other indicators present.

Outfall Reconnaissance Inventory Field Sheet

Section 4: Physical Indicators for Flowing Outfalls Only **Outfall ID: NR-031**

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Dam Neck Annex, Virginia Beach, Virginia
N62470-10-D-3000, Delivery Order WE73

Section 1: Background Data

Map Tile: 24/25		Outfall ID: NR-032
Today's date: 30 July 2014		Time (Military): 1010
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 85	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00	
Camera: Canon Powershot		Photo #s: 058 - 060

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☒ Open Space
- ☐ Institutional
- Other: Roadway
- Known Industries: _____

Notes (e.g.., origin of outfall, if known): Open space and drainage along road (Bullpop).

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☐ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☐ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: _____	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
☒ **Open drainage**	☐ Concrete ☒ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☒ Parabolic ☐ Other: _____		Depth: 1-2′ Top Width: 6-8′ Bottom Width: 6-7′	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None

- Outfall dry at head of drainage ditch – standing waters at outfall.
- No flow or other indicators present.

Outfall Reconnaissance Inventory Field Sheet

Section 4: Physical Indicators for Flowing Outfalls Only **Outfall ID: NR-032**

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Dam Neck Annex, Virginia Beach, Virginia
N62470-10-D-3000, Delivery Order WE73

Section 1: Background Data

Map Tile: 25		Outfall ID: NR-033
Today's date: 30 July 2014		Time (Military): 1020
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 85	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00	
Camera: Canon Powershot		Photo #s: 061 - 062

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☒ Open Space
- ☐ Ultra-Urban Residential
- ☐ Institutional
- ☐ Suburban Residential
- Other: Road drainage
- ☐ Commercial
- Known Industries:

Notes (e.g.., origin of outfall, if known): Mostly open wooded area between Bullpup St. and Regulus Ave. Some road drainage on southern end.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☐ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☐ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: _____	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
☒ **Open drainage**	☐ Concrete ☒ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☒ Other: unknown		Depth: unknown Top Width: ~16′ Bottom Width: unknown	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None

- Large drainage canal.
- No obvious flow or other indicators.
- Vegetation – obligate wetland species present indicate water-level is typical.

Outfall Reconnaissance Inventory Field Sheet

Section 4: Physical Indicators for Flowing Outfalls Only **Outfall ID: NR-033**

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Dam Neck Annex, Virginia Beach, Virginia
N62470-10-D-3000, Delivery Order WE73

Section 1: Background Data

Map Tile: 9		Outfall ID: NR-034
Today's date: 28 July 2014		Time (Military): 1125
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 86	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00	
Camera: Canon Powershot		Photo #s: 001

Land Use in Drainage Area (Check all that apply):

☐ Industrial ☐ Open Space

☐ Ultra-Urban Residential ☐ Institutional

☐ Suburban Residential Other: _____

☒ Commercial Known Industries:_____

Notes (e.g.., origin of outfall, if known): Discharge is collected from roof drainage from Building 226. Navy Lodge collects from downspouts to outfall discharge.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 12"_____	In Water: ☐ No ☐ Partially ☐ Fully unknown With Sediment: ☐ No ☐ Partially ☐ Fully unknown
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: _____ Top Width: _____ Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None

- Outfall consists of roof drainage. Outfall not visible through vegetation along lake. Description based on drawing and observations in drop inlet behind Navy Lodge.
- No flow or indicators in drop inlet, immediately upgradient of outfall.

Outfall Reconnaissance Inventory Field Sheet

Section 4: Physical Indicators for Flowing Outfalls Only **Outfall ID: NR-034**

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Attachment 4
RJN Group Report

rjngroup

The Choice for Collection System Solutions

October 8, 2014

Ms. Julie Barg P.E.
Project Manager
Michael Baker Jr. Inc.
3601 Eisenhower Ave
Alexandria, VA 22304

Subject: Letter Report –NAS Oceans SWPP Illicit Discharge Investigation
Baker Project Number 141767

Dear Ms. Barg:

RJN was retained by Baker to perform an investigation (using smoke test) on a group of storm sewer lines at the Dam Neck Annex of the Oceana Naval Air Station (NAS) in Virginia Beach Virginia. The purpose of the investigation was to identify active flow in the storm line adjacent to Building 127 to make certain it was not an illicit discharge. As part of the Storm Water Pollution Prevention (SWPP) plan and permitting process the NAVFAC MIDLANT Command wants to be certain the un-identified flow was not a source that should be directed to the sanitary sewer or somewhere else.

As part of the preliminary information provided, RJN determined that smoke may not be the best option for performing the required source detection inspection of the target pipe. Therefore, the inspection team was prepared with equipment to visually inspect the pipes from the manholes, enter the pipe for visual observation, and documenting results. The following report is a summary of the investigation, findings for our September 25, 2014 site visit, and recommendations about the flow source.

Preliminary Investigation

After obtaining a vehicle pass, confirming our pre-approved permission to enter the Dam Neck portion of the Oceania NAS's Pass Office, and having our vehicle inspected, RJN Staff arrived on site at 8:20 am and initiated work by verifying target manhole structure locations based upon a map sketch provided by Baker. A reproduced and simplified sketch of these locations as produced by RJN is provided in Exhibit 1.

Storm manholes and structures were identified from a sketch provided by Baker of that portion of the system being investigated. Since structures on the Baker sketch were not numbered RJN assigned a storm MH number (SMH #) starting at the downstream end of the area being

investigated working upstream. Structures mapped but not identified because they were buried or missing were also assigned numbers.

Approximately 7 to 8 staff from Baker and the NAS Facilities Management and Environmental Group were present during the inspection. All work and cleanup activities was completed by 12:45 p.m.

Manhole Inspections

While conducting our survey we noted each exposed manhole had a different cover style. SMH 6 had a cover labeled "STORM", SMH 4 had a larger cover marked "Electric", and SMH 3 had a "sanitary sewer style" cover with internal dust cover. Storm SCB 1 was accessed through a rectangular catch basin structure grate in the grass. Further investigations confirmed SMH 2 was probably buried and SMH 5 is a junction between a 10-inch storm pipe into the 30-inch main. There is no manhole structure at SMH 5.

The location of an adjacent sanitary manhole in the test area located near SMH 4, an electrical conduit manhole in this same area, and a steam vault near SMH 5 identified during the inspection are represented in Exhibit 1. RJN was informed that the steam vault was not in use.

All storm system manholes were subsequently entered and pipe diameters measured and construction material noted. Photos were taken of all connected pipes and appear in the Manhole Photographs in Exhibit 2. Invert depths were also taken of each structure. Most storm system pipe was five feet or less below ground. It should be noted that a pipe or piece of steel approximately 6-inches wide was found to be blocking the 30-inch pipe discharging from SMH 3. It went across the pipe from the 9 o'clock to 3 o'clock position as shown in the photo for Stormwater Manhole 003. It could not be determined what the purpose, if any, of the steel was. It may be a water line or other pipe.

During the inspection RJN noted trace amounts of flow in SMH 6 from building 127. A few inches of sand and gravel was also located in SMH 6, which was cleared to facilitate the placement of a temporary bulkhead used for the smoke testing.

Insitu Pipe Inspection and Conformation of Source

During the manhole inspection phase RJN staff initially detected (heard) a discharge of flow into the line downstream of SMH 6. During inspection of SMH 4 a discharge from a two-inch pipe

was identified 57.5 feet upstream of SMH 4 and we were able to photograph it and take a sample of the discharge from the pipe. The location was also measured from the downstream manhole. At 36 feet a one-inch pipe in the 12:00 position was also noted but it was dry. It was verified that no manhole exists at the 10-inch pipe connection labeled SMH 5.

RJN used the pipe entry process to obtain a water sample directly from the two-inch pipe discharge upstream of SMH 4. The sample collected was lukewarm and a constant flow of water discharging from the pipe was observed. The discharge was estimated at 5 gallons per minute (7,200) gpd.

The sample was tested for fluoride for RJN by Water Testing Labs of Burke, Virginia. The results of the fluoride test indicate that it was lower than allowable limits for potable water. Fluoride concentrations were 0.7 mg/l which is slightly below the standard level of 1.0 mg/l suggesting that the discharge contains some potable and other sources such as condensate.

Based on the location of the 2-inch pipe discharge (12:00 o'clock position) in the 30-inch pipe it was suspected to originate from a nearby air-conditioning unit. The tap into the pipe appeared to not be recent. The large ground mounted air conditioner for Building 120 was examined but it was enclosed and no direct overland condensate discharge was observed.

An additional pipe, 1.5-inch in diameter, located one foot downstream of the 2-inch diameter pipe connection with discharge, was observed to be dry.

Smoke Test

Smoke testing was performed after discussions with on-site personnel from Baker and Dam Neck pertaining to staff notification, the need to notify adjacent Building 102 staff about the testing, and pre-test observation of possible emission points in Building 127 and other locations. To perform the testing, RJN bulkheaded 7 storm connections as indicated in the smoke sketch located in Exhibit 3. At 11:00 am smoke testing was initiated. During the test smoke discharged through several catch basins as expected. Other utilities were checked (sanitary, steam and electric manholes). Smoke was observed discharging from the steam pipe chase. Facility personnel inside the building also looked at the sprinkler system under construction and went onto to the roof to look for possible smoke emissions. Photos were taken during the test and are found in the Exhibit 4. No smoke was reported inside any of the buildings by facility staff that entered the building, and that were also positioned on the roof.

Recommendations

RJN performed a brief exterior survey of the air conditioner unit suspected of discharging condensate. We could not see any evidence of flow but the inspection was limited. RJN recommends that Dam Neck staff responsible for HVAC in Building 102 be contacted to determine if the condensate drain is indeed the source of water observed during the inspection. If this unit is not the source of the flow in the storm line, RJN recommends excavation of the two to three feet of cover over the storm to the surface of the top of the 30-inch storm pipe to expose the 2-inch diameter pipe and confirm what building the pipe originates from (either Building 127 or 102).

We appreciate the excellent cooperation and assistance offered by you and your office, Jason Oliver of the Baker Virginia Beach office, and the Oceana Staff at this facility; they were instrumental in seeing that staff was notified and we could observe smoke emission points inside and on top of the building.

Please contact me if you have any questions. We look forward to a continuing professional relationship.

Sincerely,

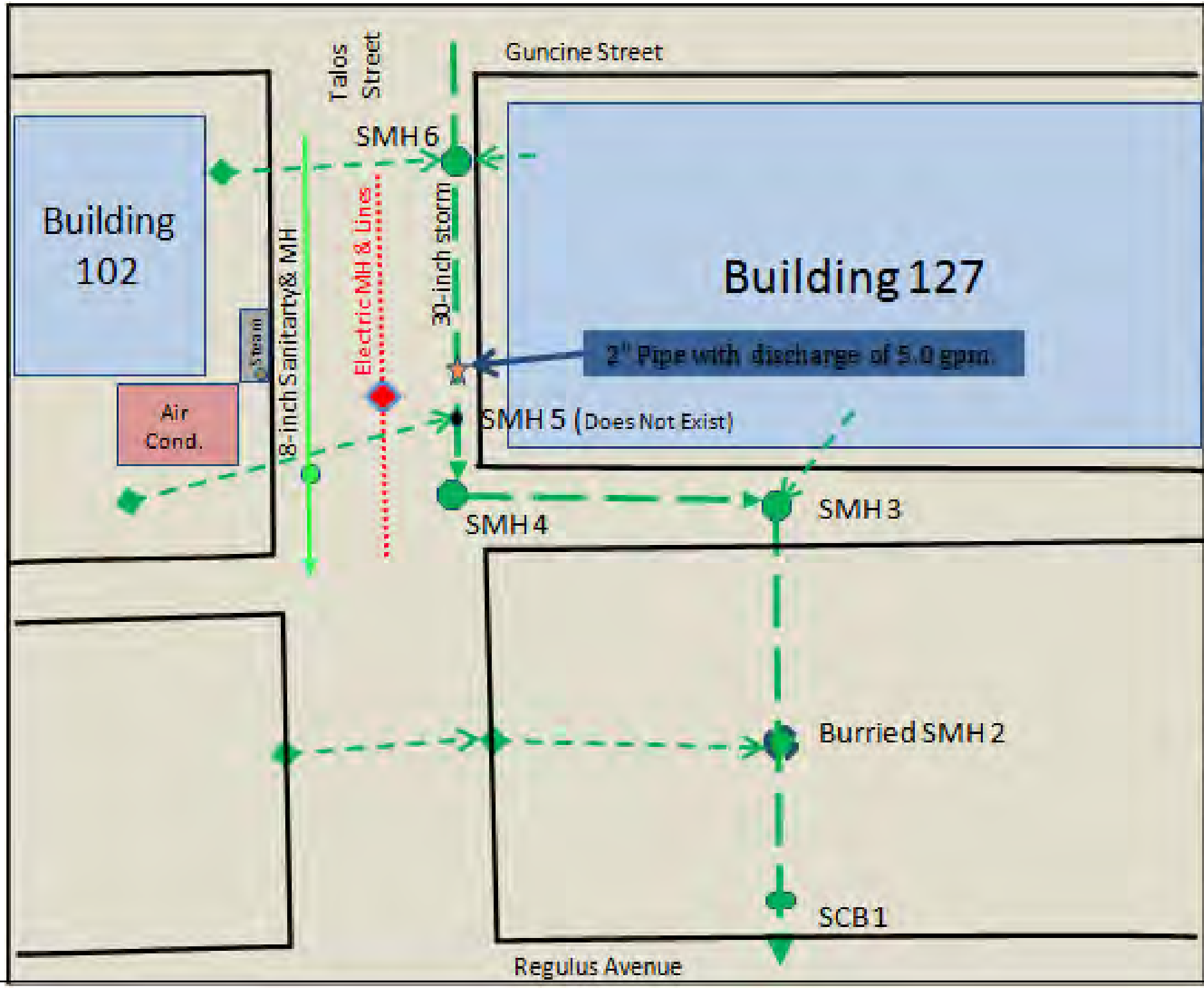
RJN GROUP, INC.

Frank T. Torre
Project Manager

Attachments
- Exhibit 1 Site Sketch
- Exhibit 2 Manhole Inspection Photos
- Exhibit 3 Smoke Sketch
- Exhibit 4 Smoke Test Photographs

cc: Jon van Soestbergen, P.E., RJN Group, Inc.

Naval Station Dam Neck, Virginia Beach, VA
Storm Water Discharge Investigation 9-25-14



rjngroup

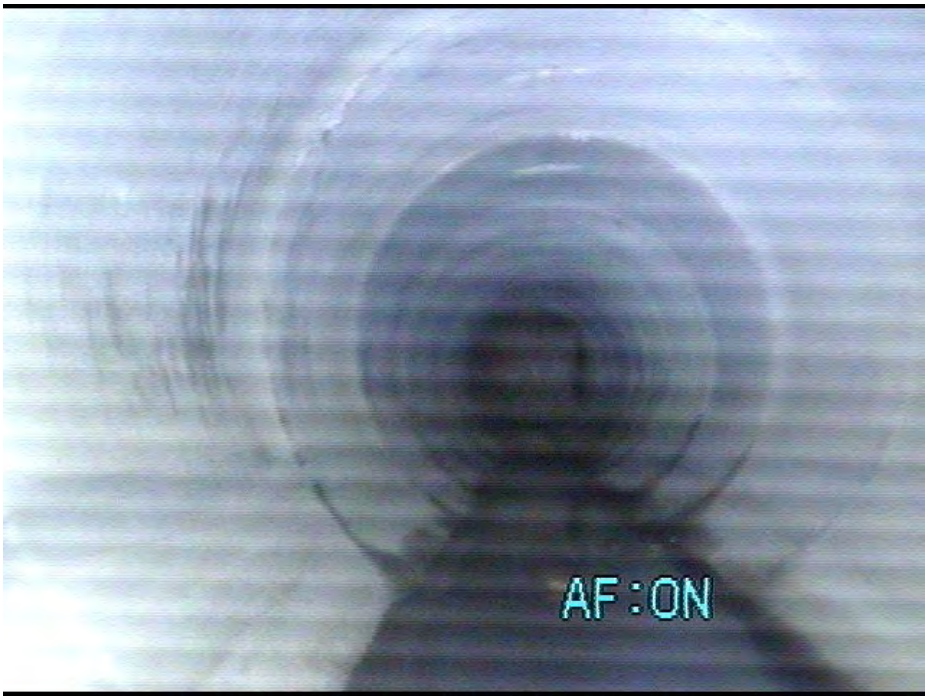
EXHIBIT 1 Investigation Area

Exhibit 2

Dam Neck Storm Manhole Connecting Pipe Inspections

Stormwater Manhole 003

MH 003 Outgoing 30-inch line penetrated by steel bar 15-feet downstream.



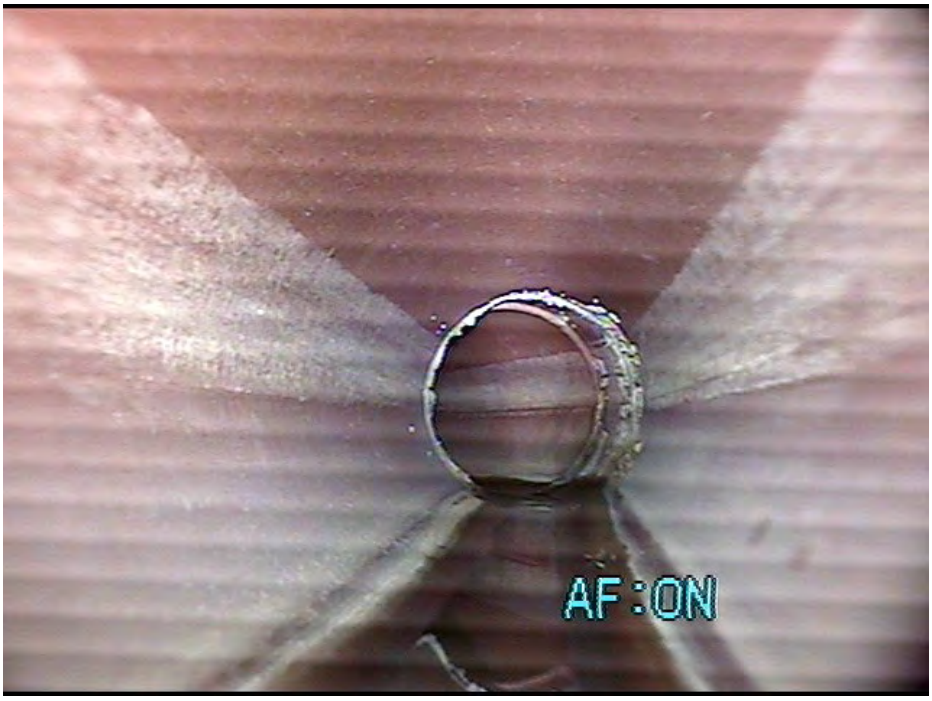
MH 003 Incoming 30-inch line in good condition.

Exhibit 2

Dam Neck Storm Manhole Connecting Pipe Inspections

Stormwater Manhole 003

MH 003 Incoming 8-inch line abandoned line into manhole.



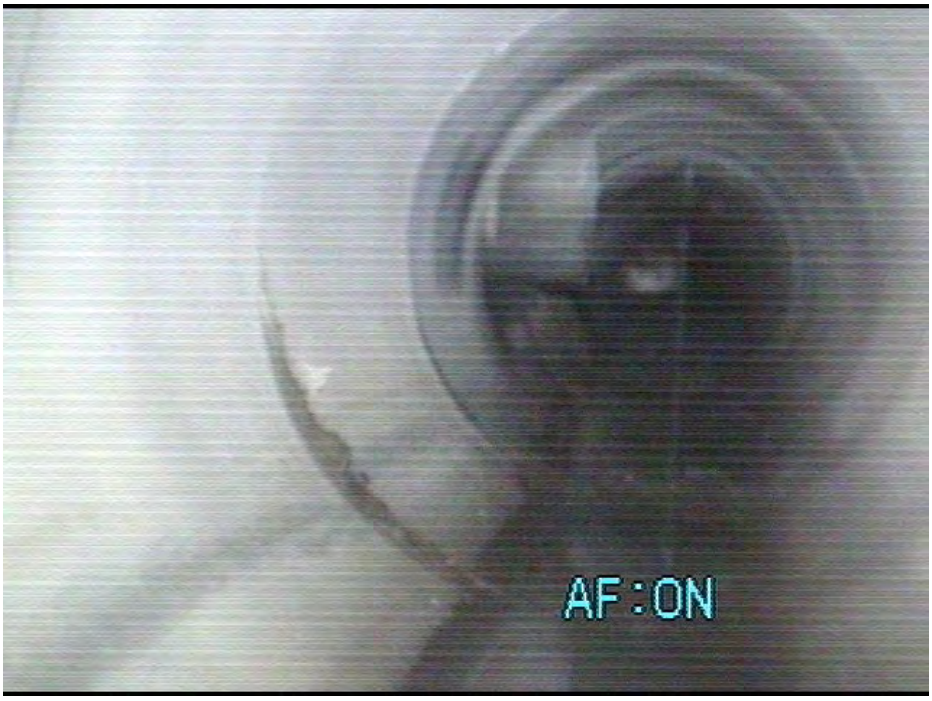
MH 003 Incoming 12-inch line originates in Building 127 (no flow observed).

Exhibit 2

Dam Neck Storm Manhole Connecting Pipe Inspections

Stormwater Manhole 004

MH 004 Outgoing 30-inch line with minor longitudinal cracks.

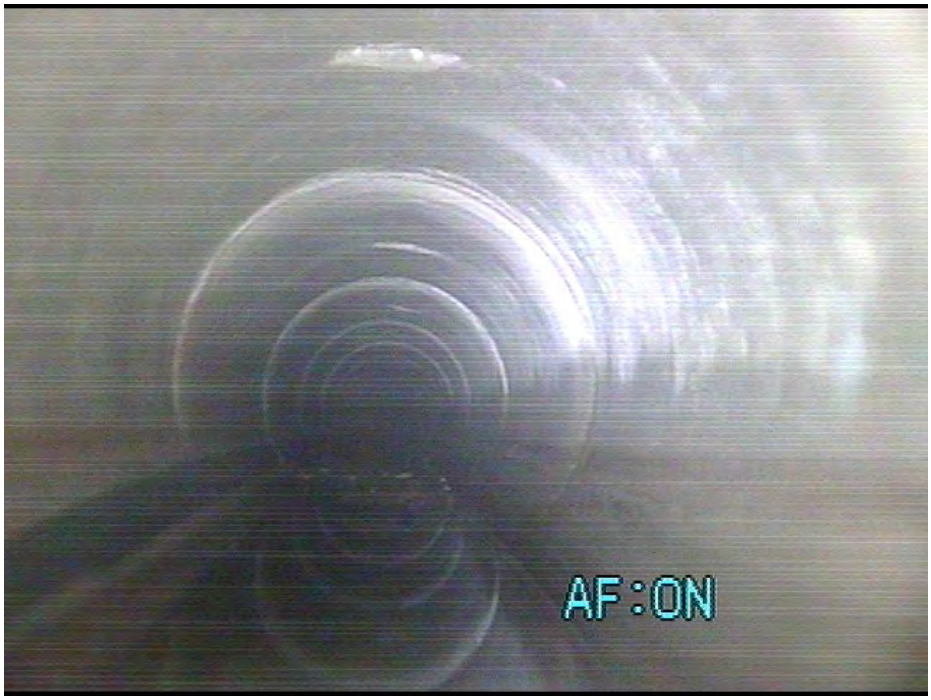


MH 004 Incoming 30-inch line with catch basin connection 9 0’clock and discharge from 2-inch pipe 57.5 feet upstream from 12 o’clock position.

Exhibit 2

Dam Neck Storm Manhole Connecting Pipe Inspections

Stormwater Manhole 006



MH 006 Outgoing 30-inch line with minor debris casing water to pond.

MH 006 incoming 15-inch line with debris.

Exhibit 2

Dam Neck Storm Manhole Connecting Pipe Inspections

Stormwater Manhole 006

MH 006 Incoming 30-inch line with minor superficial longitudinal cracks and chip at 12 o'clock

MH 003 Incoming 12-inch line originates in Building 127 (trace amount of flow observed)

Exhibit 3

rjngroup Smoke Test Inspection Form

Project No. RJN 17281800 Project Name Naval Station Dam Neck By FT/KB Date 9/25/14

1. Line Segment SMH 6 to SCB1 Basin DAM NECK
2. Street Name Building 127
3. Precipitation: 1.☑ None 2.☐ Light Rain 3.☐ Heavy Rain 4.☐ Snow
4. Ground: 1.☐ Dry 2.☑ Damp 3.☐ Wet 4.☐ Standing Water
5. Smoke leaks at or along
   A.☐ Could Not Smoke:explain under comments. B.☐ No building leaks for this segment

* Purpose of test to locate Discharge into 30-inch Storm between SMH4 to SMH3

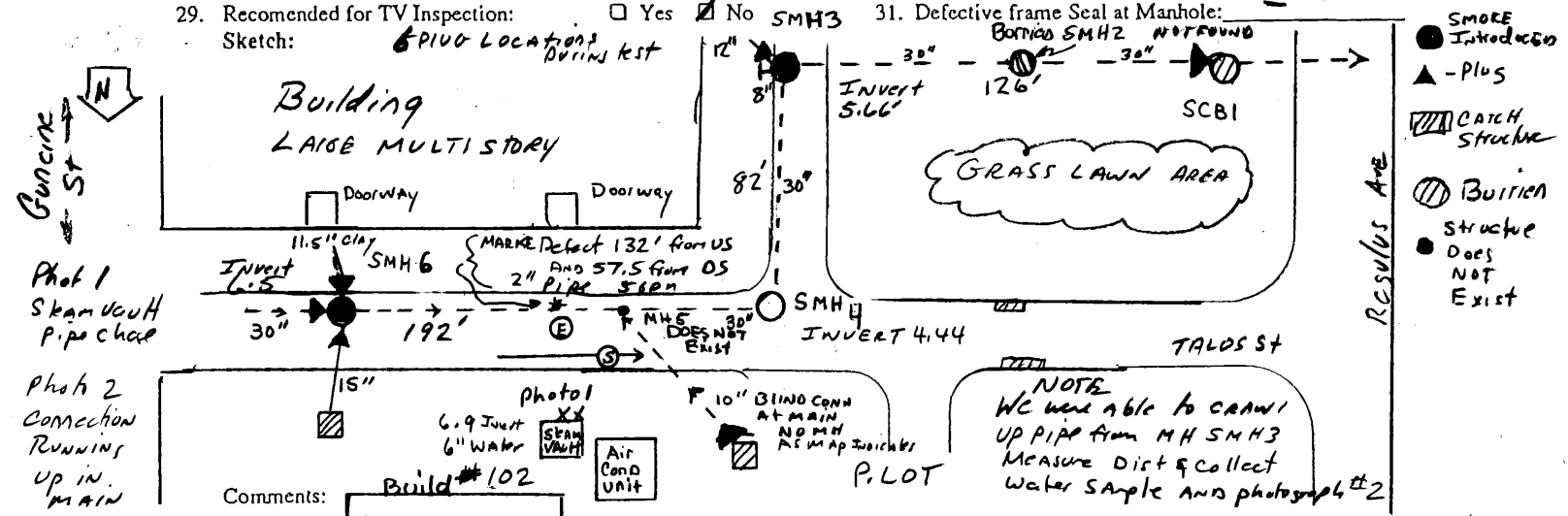
	House No.	House No.	House No.	House No.	House No.	House No.	House No.
6. Curb	6 ☐	6 ☐	6 ☐	6 ☐	6 ☐	6 ☐	6 ☐
7. Sidewalk	7 ☐	7 ☐	7 ☐	7 ☐	7 ☐	7 ☐	7 ☐
8. Buffalo Box	8 ☐	8 ☐	8 ☐	8 ☐	8 ☐	8 ☐	8 ☐
9. Cleanout	9 ☐	9 ☐	9 ☐	9 ☐	9 ☐	9 ☐	9 ☐
10. Building Lateral	10 ☐	10 ☐	10 ☐	10 ☐	10 ☐	10 ☐	10 ☐
11. Transition Joint	11 ☐	11 ☐	11 ☐	11 ☐	11 ☐	11 ☐	11 ☐
12. Front Yard	12 ☐	12 ☐	12 ☐	12 ☐	12 ☐	12 ☐	12 ☐
13. Side Yard	13 ☐	13 ☐	13 ☐	13 ☐	13 ☐	13 ☐	13 ☐
14. Rear Yard	14 ☐	14 ☐	14 ☐	14 ☐	14 ☐	14 ☐	14 ☐
15. Driveway Drain	15 ☐	15 ☐	15 ☐	15 ☐	15 ☐	15 ☐	15 ☐
16. Area Drain	16 ☐	16 ☐	16 ☐	16 ☐	16 ☐	16 ☐	16 ☐
17. Patio Drain	17 ☐	17 ☐	17 ☐	17 ☐	17 ☐	17 ☐	17 ☐
18. Window Well Drain	18 ☐	18 ☐	18 ☐	18 ☐	18 ☐	18 ☐	18 ☐
19. Stairwell Drain	19 ☐	19 ☐	19 ☐	19 ☐	19 ☐	19 ☐	19 ☐
20. Downspouts	20 ☐	20 ☐	20 ☐	20 ☐	20 ☐	20 ☐	20 ☐
21. Building Front	21 ☐	21 ☐	21 ☐	21 ☐	21 ☐	21 ☐	21 ☐
22. Building Side	22 ☐	22 ☐	22 ☐	22 ☐	22 ☐	22 ☐	22 ☐
23. Building Rear	23 ☐	23 ☐	23 ☐	23 ☐	23 ☐	23 ☐	23 ☐
24. Interior Crawl Space Drain	24 ☐	24 ☐	24 ☐	24 ☐	24 ☐	24 ☐	24 ☐
25. Building Interior	25 ☐	25 ☐	25 ☐	25 ☐	25 ☐	25 ☐	25 ☐
Drainage Area (SF)							

26. **Indications of Cross Connections:** Smoke leaks at or along:
    1.☐ Catch Basin, 2.☐ Storm Ditch, 3.☐ Storm Manhole, 4.☐ Storm Sewer Cleanout, 5.☑ Other Steam Chase, 6.☐ None
    Rate:_____._____GPM Find out if Air Unit Connected to 2" pipe Discharge - 5GPM
27. Recommended for dyed water flooding: ☐ Yes ☑ No; Location(s)_____

Indications of Main Sewer Defects:

28. Smoke along main sewer line. ☐ Yes ☑ No
29. Recomended for TV Inspection: ☐ Yes ☑ No
30. Length 400 FT.
31. Defective frame Seal at Manhole: –

Sketch: 6 Pipe Locations During test



NOTE
We were able to crawl up pipe from MH SMH3 Measure Dist & Collect Water Sample and photograph #2

Phot 1 Steam vault pipe chase

Phot 2 Connection Running up in main

Phot 3 Area Above Connection

Comments: TESTED 30-inch Storm Sewer saw smoke exiting Steam chase Line in Steam vault Photo 1 Photo 2 Area where 2" Pipe connection Found to discharge 5GPM from 12:00 Suspect Air Cond Condensate

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Exhibit 4

Dam Neck

Smoke Leak Near Building 127

Steam Pipe Chase Leak into Abandoned Steam Vault

Area Photo Where Vault and 2” Discharge (Green Paint) are Located

Exhibit 4

Dam Neck

Discharge into Storm Line Near Building 127

2” Discharge Running(background)5GPM, 57.5’ From Down-Stream Manhole SMH 3

Note a second 1.5” dry discharge (foreground) also protruding but shorter was also observed.

Attachment 5

Certification Statement

(Required by Park II.K.4 of VAR050407)

2014 NAS Oceana – Dam Neck Annex, IDS Certification

(Required by Part II.K.4 of VAR050407)

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

_____

Kristen C. Bass
Director, Water and Wastewater Compliance
By Direction of the Commander

_____

Date

Appendix C – Outfall Screening Data for JEB Fort Story

Inspectors: Nikki Brown, Ryan Winz & Rick Little

Date: May 13, 2015

Building No.: 1088

Facility Description: SE UAS Warehouse

Outfall(s): 001

POC: None, no personnel present at time of inspection

Industrial Activity:
Equipment Maintenance

Personnel Interviewed:
None-no personnel present during site visit.
Outdoor Material Storage:
None observed

Evidence of Storm Water Pollution and its Source:
None observed

Identify and Assess Sufficiency of Existing BMPs:
Not applicable

Identify and Assess Sufficiency of Housekeeping Efforts & BMP Maintenance:
Housekeeping–sufficient
BMP Maintenance–sufficient

Describe Status of BMPs Previously Planned:
None

List Any Leaks or Spills and Inventory of Spill Equipment:
Spills: none
Spill Equipment: none observed

List Deficiencies Noted in Facility Inspection Reports:
No deficiencies noted

Noncompliance since last site compliance evaluation:
None

Non-Stormwater Discharges:
None observed

ASTs:
FS-1088-AST-01 500-gallon used oil (removed)
FS-1088-AST-02 165-gallon diesel

Planned BMPs:
None

Compliance:
In compliance

Additional Comments:

- SRI has moved out of building 1088 and relocated to building 1103. Associated tanks have also been removed. New tenant is SE UAS and is used for warehousing.
- Washrack is being utilized by EOD ESU Two for vehicle “freshwater” rinsing only with no detergents.
- PIV valves are in the process of being replaced.

Inspectors: Nikki Brown, Ryan Winz & Rick Little

Date: May 13, 2015

Building No.: 810

Facility Description: FLTC Saltwater Annex ROWPU Maintenance Building

Outfall(s): 001

POC: Jim Wheeler

Industrial Activity:
SIC 3589: Reverse Osmosis Water Purification Units (ROWPU) maintenance

Personnel Interviewed:
Jim Wheeler

Outdoor Material Storage:
Pumps
Generators
2 GOV Flat beds
5 White Poly Tanks
Hoses (rubber)
(2) 3000 gal ROWPUs
(2) 600 gal ROWPUs
Flam locker
Corrosive locker
Oxidizer locker
Solid Waste Dumpster

Evidence of Storm Water Pollution and its Source:
None observed

Identify and Assess Sufficiency of Existing BMPs:
Freshwater rinsing maintenance of ROWPUs conducted using SOP–sufficient
Filter maintenance discharges are directed to HRSD using established SOP–sufficient
Use of Hazardous Material storage lockers–sufficient

Identify and Assess Sufficiency of Housekeeping Efforts & BMP Maintenance:
Housekeeping: sufficient
BMP Maintenance: sufficient

Describe Status of BMPs Previously Planned:
None

List Any Leaks or Spills and Inventory of Spill Equipment:
Spills: none

Spill equipment: kept inside building

List Deficiencies Noted in Facility Inspection Reports:
None observed

Noncompliance since last site compliance evaluation:
None

Non-Stormwater Discharges:
None observed

List Any Leaks or Spills and Inventory of Spill Equipment:
Spills: none
Spill Equipment: spill kits kept inside buildings

ASTs:
FS-810-AST-01 500-gallon used oil

Planned BMPs:
None

Compliance:
In compliance

Additional Comments:
None

Inspectors: Nikki Brown, Ryan Winz & Rick Little

Date: May 13, 2015

Building Nos.: 1108 and 1109

Facility Descriptions: Transportation and Maintenance

Outfall(s): 008

POC: SGT Brock Reynolds

Industrial Activity:
Heavy diesel equipment

Personnel Interviewed:
None-no personnel present during site visit.

Outdoor Material Storage:
Building 1108
Various transportation vehicles
Flam lockers
Garbage dumpster
POV parking

Building 1109
Secondary containment Drive-on ramps (2)

Evidence of Storm Water Pollution and its Source:
None observed

Identify and Assess Sufficiency of Existing BMPs:
Use of flammable materials storage locker–sufficient
Use of drip pans under vehicles–sufficient

Identify and Assess Sufficiency of Housekeeping Efforts & BMP Maintenance:
Housekeeping: sufficient
BMP Maintenance: sufficient

Describe Status of BMPs Previously Planned:
None

List Any Leaks or Spills and Inventory of Spill Equipment:
Spills: none
Spill Equipment: spill kits kept inside buildings

List Deficiencies Noted in Facility Inspection Reports:
None observed

Noncompliance since last site compliance evaluation:
None

Non-Stormwater Discharges:
None

ASTs:
FS-1108-AST-01 500-gallon used oil
FS-1108-AST-02 250-gallon diesel

Planned BMPs:
None

Compliance:
In compliance

Additional Comments:
One oil pan was left out with residual. Issue was corrected on site.

Inspectors: Nikki Brown, Ryan Winz & Rick Little

Date: May 13, 2015

Building No.: 1103 and 1103A

Facility Description: Transportation and Maintenance

Outfall(s): 002

POC: Bldg. PFC Austin Summers; Bldg. 1103A-Heather Lawrence

Industrial Activity:
Heavy diesel equipment maintenance
Vehicle wash rack

Personnel Interviewed:
None-no personnel present during site visit.

Outdoor Material Storage:
Building 1103
Various transportation vehicles (Trucks, Cranes, RTCHs, Humvees)
Flam lockers
Dumpster
POV parking

Building 1103A
None

Evidence of Storm Water Pollution and its Source:
None observed

Identify and Assess Sufficiency of Existing BMPs:
Hazmat lockers–sufficient
Wash rack instructions–sufficient
Drip pans under vehicles–sufficient

Identify and Assess Sufficiency of Housekeeping Efforts & BMP Maintenance:
Housekeeping: sufficient
BMP Maintenance: sufficient

Describe Status of BMPs Previously Planned:
None

List Any Leaks or Spills and Inventory of Spill Equipment:
Spills: No spills reported.
Spill Equipment: spill kit contained within buildings

List Deficiencies Noted in Facility Inspection Reports:
None noted

Noncompliance since last site compliance evaluation:
None

Non-Stormwater Discharges:
None observed

ASTs:
FS-1103-AST-01 500-gallon used oil
FS-1103-AST-02 250-gallon diesel
FS-1103-AST-17 500-gallon used oil

Planned BMPs:
None

Compliance:
In compliance

Additional Comments:
None

Inspectors: Nikki Brown, Ryan Winz & Rick Little

Date: May 13, 2015

Building No.: 951

Facility Description: Automotive Hobby Shop; GOV and POV maintenance

Outfall(s): 002

POC: N/A

Industrial Activity:
None-facility is closed at this time.

Personnel Interviewed:
None-no personnel present during site visit.

Outdoor Material Storage:
None observed

Evidence of Storm Water Pollution and its Source:
None observed

Identify and Assess Sufficiency of Existing BMPs:
Hazmat lockers–sufficient
Trench drains plugged–sufficient

Identify and Assess Sufficiency of Housekeeping Efforts & BMP Maintenance:
Housekeeping: sufficient
BMP Maintenance: sufficient

Describe Status of BMPs Previously Planned:
None planned

List Any Leaks or Spills and Inventory of Spill Equipment:
Spills: No spills reported.
Spill Equipment: spill kit contained within building

List Deficiencies Noted in Facility Inspection Reports:
None noted

Noncompliance since last site compliance evaluation:
None

Non-Stormwater Discharges:
None observed

ASTs:
None observed

Planned BMPs:
None

Compliance:
In compliance

Additional Comments:
None

Inspectors: Nikki Brown, Ryan Winz & Rick Little

Date: May 13, 2015

Building No.: 819 and 821

Facility Description: EOD Two Compound

Outfall(s): N/A

POC: Paul Portugal

Industrial Activity: Training and operations, maintenance and rinsing of small boats

Personnel Interviewed: Paul Portugal

Outdoor Material Storage:
None observed

Evidence of Storm Water Pollution and its Source:
None observed

Identify and Assess Sufficiency of Existing BMPs:
Maintenance activities conducted indoors–sufficient
Boat rinsing activities conducted in a manner to prevent discharge of wastewater to State Waters when conducted outdoors–sufficient

Identify and Assess Sufficiency of Housekeeping Efforts & BMP Maintenance:
Housekeeping: sufficient
BMP Maintenance: sufficient

Describe Status of BMPs Previously Planned:
None planned

List Any Leaks or Spills and Inventory of Spill Equipment:
Spills: none
Spill equipment: spills kits kept inside buildings

List Deficiencies Noted in Facility Inspection Reports:
N/A-Not a permit requirement to inspect this facility; inspected as part of annual site compliance evaluations to ensure activities being in a manner which does not result in discharges to State Waters.

Noncompliance since last site compliance evaluation:
N/A-facility not inspected in previous site compliance evaluations

Non-Stormwater Discharges:
None observed

ASTs:
FS-AST-821-01-4000-gallon diesel

Planned BMPs:
None

Compliance:
In compliance

Additional Comments:
None

Inspectors: Nikki Brown, Ryan Winz & Rick Little

Date: May 13, 2015

Building No.: Swim Beach and Omaha Beach Sites

Facility Description: FLTC Saltwater Annex ROWPU Instruction Locations-majority of training activities now occur at Omaha Beach site.

Outfall(s): N/A-No discharge to surface waters

POC: Jim Wheeler

Industrial Activity:
SIC 3589: Reverse Osmosis Water Purification Units (ROWPU) maintenance

Personnel Interviewed:
Jim Wheeler

Outdoor Material Storage:
None observed

Evidence of Storm Water Pollution and its Source:
None observed

Identify and Assess Sufficiency of Existing BMPs:
Activities conducted in a manner to prevent discharge of wastewater to State Waters–sufficient

Identify and Assess Sufficiency of Housekeeping Efforts & BMP Maintenance:
Housekeeping: sufficient
BMP Maintenance: sufficient

Describe Status of BMPs Previously Planned:
None planned

List Any Leaks or Spills and Inventory of Spill Equipment:
Spills: none
Spill equipment: spill kits kept inside building

List Deficiencies Noted in Facility Inspection Reports:
N/A-Not a permit requirement to inspect this facility; inspected as part of annual site compliance evaluations to ensure activities being conducted in accordance to SOP which prohibit discharges to State Waters.

Noncompliance since last site compliance evaluation:
N/A-facility not inspected in previous site compliance evaluations

Non-Stormwater Discharges:
None observed

ASTs:
None observed

Planned BMPs:
None

Compliance:
In compliance

Additional Comments:
None

Inspectors: Nikki Brown, Ryan Winz & Rick Little

Date: May 13, 20154

Building No.: 830

Facility Description: EOD Two Compound

Outfall(s): N/A-No discharge to surface waters

POC: Paul Portugal

Industrial Activity:
Small boat maintenance

Personnel Interviewed:
No personnel present.

Outdoor Material Storage:
No outdoor material storage
Water tank for boat engine testing

Evidence of Storm Water Pollution and its Source:
None observed

Identify and Assess Sufficiency of Existing BMPs:
Activities conducted in a manner to prevent discharge of wastewater to State Waters–sufficient

Identify and Assess Sufficiency of Housekeeping Efforts & BMP Maintenance:
Housekeeping: sufficient
BMP Maintenance: sufficient

Describe Status of BMPs Previously Planned:
None planned

List Any Leaks or Spills and Inventory of Spill Equipment:
Spills: Three small equipment leaks were noted. Addressed leaks with command and the site was cleaned and corrected on site.
Spill equipment: spill kits kept inside building

List Deficiencies Noted in Facility Inspection Reports:
N/A-Not a permit requirement to inspect this facility; inspected as part of annual site compliance evaluations to ensure activities being in a manner which does not result in discharges to State Waters.

Noncompliance since last site compliance evaluation:
N/A-facility not inspected in previous site compliance evaluations due to prior lack of industrial activities in this area.

Non-Stormwater Discharges:
None observed

ASTs:
FS-830-AST-01 250 gal used oil

Planned BMPs:
None

Compliance:
In compliance

Additional Comments:
None

Inspectors: Nikki Brown, Ryan Winz & Rick Little

Date: May 13, 2015

Building No.: Outfall 001

Facility Description:
Outfall 001 is located on the east side of the base

Outfall(s): 001

POC: Rick Little

Evidence of Storm Water Pollution and its Source:
None observed

Deficiencies noted during inspection:
None

List Deficiencies Noted in Facility Inspection Reports:
No deficiencies noted

Non-Stormwater Discharges:
None observed

Additional Comments: The location of Outfall 001 has been moved approximately 200 feet east of prior location as part of a beach nourishment project.

Inspectors: Nikki Brown, Ryan Winz & Rick Little

Date: May 13, 2015

Building No.: Outfall 008

Facility Description:
Outfall 008 is located interior with no direct connection to State Waters.

Outfall(s): 008

POC: Rick Little

Evidence of Storm Water Pollution and its Source:
None observed

Deficiencies noted during inspection:
None

List Deficiencies Noted in Facility Inspection Reports:
No deficiencies noted

Non-storm Water Discharges:
None observed

Additional Comments: Outfall 008 is located south of the LZ area on Hospital Road.

Appendix C – Outfall Screening Data for JEB Little Creek

Facility: Less than 90 day Resource Conservation and Recovery Act (RCRA) Hazardous Waste Storage Site

Inspectors: K. Smith and C. Ostman

Date: 10/28/2014

Outfall(s): 001

Map Sheet(s): 30

POC: Julius Council

Industrial Activity:

- Less than 90 day RCRA hazardous waste accumulation site

Personnel Interviewed:

- Julius Council

Buildings:

Building 105 – Administration
Building 106 – Hazardous waste storage
Building 109 – Equipment storage
Building 110 – Equipment storage and support

Outdoor Material Storage:

<u>Southwest of Building 105</u>

- 55 gal drums on pallets
  - Used lubricating oils and anti-freeze

<u>East of Building 109</u>

- 55 gal drums on pallets
  - Paint debris
  - Corrosive batteries
  - Grease, oily debris
  - Contaminated soils
  - Flammable gas (aerosols)
  - Flammable solids (fuel spill debris)

Evidence of Storm Water Pollution and Its Source:

- None observed

Identify and Assess Sufficiency of Existing BMPs:

- Berm surrounding facility and valve for shutoff in the event of a spill – **SUFFICIENT**

Identify and Assess Sufficiency of Housekeeping Efforts and BMP Maintenance:

- Housekeeping – **SUFFICIENT**
- BMP Maintenance – Spill kits, asphalt berm, and replace POL specific drain insert annually – **SUFFICIENT**

Describe Status of BMPs Previously Planned:

- None planned

Leaks or Spills and Inventory of Spill Equipment:

- Spills: None reported in 2014. There is evidence of past paint spills, also noted in the 2013 SCE report, but the paint spill residue is not contributing to storm water pollution.
- Spill Equipment: Spill equipment kept in and around Building 106. Kits include shovels and absorbent materials.

List Deficiencies Noted in Facility Inspection Reports:

- Debris noted in storm drain insert near Building 106 on 9/9/2014. Storm drain insert replaced on 10/24/2014.

List Permit Non-Compliance and Exceedance of Decision Criteria Noted in 2014:

- OF 001:
  - All permit limits were met.
  - Decision criteria for Cu and Zn were exceeded in 2014.
  - Toxicity was >100% control survival.

Non-Storm Water Discharges:

- None observed

ASTs:

- None

Planned or Possible BMPs to Be Implemented as a Result of the 2014 Evaluation:

- None planned

Compliance:

- Site is in compliance with SWPPP.

Facility: Naval Special Warfare Group-4 (NSWG-4); Vessel Berthing and Pier Operations

Inspectors: K. Smith and C. Ostman

Date: 10/28/2014

Outfall(s): 001, 026, 027, 043

Map Sheet(s): 23 and 30

POC: Cecil Lee

Industrial Activity:

- SIC 4491 Marine Cargo Handling – vessel berthing and pier operations for NSWG-4 small craft. Minimal maintenance is performed onsite.

Personnel Interviewed:

- Cecil Lee

Buildings and Piers:

Pier 60 – Two sail boats
Pier 61 – Empty
Building 103 – Storage area and offices
Building 104 – Storage
Building 108 – Administrative spaces, OWS outside no longer in use
Building 108A – Quarterdeck
Building 115 – Storage

Outdoor Material Storage:

- Battery storage locker
- Dumpster
- Miscellaneous wood
- Spill kit
- Conex box
- Miscellaneous wood and metal
- Trailers (various types and quantities)
- Vehicles/equipment (various types and quantities)

<u>Building 108</u>

- Diesel generator (40 gal belly tank)
- Propane cylinders
- OWS (not in service but would drain to the sanitary sewer if used)

<u>Building 115</u>

- AST-62 gal belly tank generator LC-AST-115-01
- Vehicle and equipment storage

<u>Building 103</u>

- Scrap metal storage behind building
- Recycling bins
- Dumpsters-cardboard, scrap metal, trash

Evidence of Storm Water Pollution and Its Source:

- None observed

Identify and Assess Sufficiency of Existing BMPs:

- Pier area and long term docking BMPs – listed in VPDES Permit VA0079928, Part I.C.8.a –**SUFFICIENT**

- Training provided to Environmental Coordinator personnel – **SUFFICIENT**

Identify and Assess Sufficiency of Housekeeping Efforts and BMP Maintenance:
- Housekeeping – **SUFFICIENT**
- BMP Maintenance – **SUFFICIENT**

Describe Status of BMPs Previously Planned:
- None planned

Leaks or Spills and Inventory of Spill Equipment:
- Spills: None reported in 2014
- Spill equipment: Spill kits containing rags, shovels, and absorbent materials

List Deficiencies Noted in Facility Inspection Reports:
- No deficiencies noted in the facility inspection reports in 2014.

List Permit Non-Compliance and Exceedance of Decision Criteria Noted in 2014:
- OF 001:
  - All permit limits were met.
  - Decision criteria for Cu and Zn were exceeded in 2014.
  - Toxicity was >100% control survival.
- OF 026, 027, and 043: No monitoring performed or required during 2014.

Non-Storm Water Discharges:
- None observed

ASTs:
- LC-AST-115-01, diesel 62 gal tank

Planned or Possible BMPs to Be Implemented as a Result of the 2014 Evaluation:
- None planned

Compliance:
- Site is in compliance with the SWPPP.

Facility: Surface Warfare Group-4 and SPECBOAT 20 Support Buildings

Inspectors: K. Smith and C. Ostman

Date: 10/28/2014

Outfall(s): 001 and 043

Map Sheet(s): 23

POC: Cecil Lee

Industrial Activity:
- Boat maintenance and repair

Personnel Interviewed:
- Cecil Lee

Buildings:
Building 116 – Maintenance and light repair, office space and lockers
Building 117 – Maintenance and boat repair
Building 119 – Storage/supply
Building 120 – Parachute cleaning and repair (Air Ops Support); construction of building addition will not change use.

Outdoor Material Storage:
Building 116
- Garbage, wood, solid waste and cardboard dumpsters
- Vehicles, boats, equipment (number varies)
- Conex boxes

Building 117
- Drums for air handler/sawdust remover
- Wood pallets (several)
- Forklift
- Gator

Building 119
- Conex boxes
- Garbage dumpster
- Pallets
- Vehicle loading and unloading area

Building 120
- Conex boxes (number varies)
- GOVs and bus
- Boat trailers (number varies)
- Construction laydown for metal and wood

Evidence of Storm Water Pollution and Its Source:
- None observed

Identify and Assess Sufficiency of Existing BMPs:
- Use of flammable materials storage locker – **SUFFICIENT**

Identify and Assess Sufficiency of Housekeeping Efforts and BMP Maintenance:
- Housekeeping – **SUFFICIENT**
- BMP Maintenance – **SUFFICIENT**

Describe Status of BMPs Previously Planned:

- None planned

Leaks or Spills and Inventory of Spill Equipment:

- Spills:

Date	Location	Receiving Waters	Spill Type	Quantity (gal)	Clean up Action	Cause
10/23/2014	Building 116	N/A	Hydraulic fluid	0.5	Sand and dry sweep	Mechanical Failure

- Spill Equipment: Shovels, rags, and oil absorbents

List Deficiencies Noted in Facility Inspection Reports:

- No deficiencies noted in the facility inspection reports in 2014.

List Permit Non-Compliance and Exceedance of Decision Criteria Noted in 2014:

- OF 001:
  - All permit limits were met.
  - Decision criteria for Cu and Zn were exceeded in 2014.
  - Toxicity was >100% control survival.
- OF 043: No monitoring performed/required during 2014.

Non-Storm Water Discharges:

- Permitted discharge; steam condensate pipe located outside of Building 119.

ASTs:

- None

Planned or Possible BMPs to Be Implemented as a Result of the 2014 Evaluation:

- None planned

Compliance:

- Site is in compliance with the SWPPP.

Facility: Hazardous Material and Hazardous Waste Storage

Inspectors: K. Smith and C. Ostman

Date: 10/28/2014

Outfall(s): 001

Map Sheet(s): 23

POC: Cecil Lee

Industrial Activity:
- Hazardous material storage and hazardous waste accumulation site

Personnel Interviewed:
- Cecil Lee

Buildings:
Building 118 – Hazardous material storage and hazardous waste accumulation

Outdoor Material Storage:
- Empty 55 gal drums
- Hazardous material storage lockers-drum storage area (DSA), DSA-118-02 and DSA-118-03
- 2 Covered spill containment pallets for storage of materials and waste
- 2 55 gal soap/solvent drums

Evidence of Storm Water Pollution and Its Source:
- None observed

Identify and Assess Sufficiency of Existing BMPs:
- Hazmat lockers, secondary drum containment – **SUFFICIENT**

Identify and Assess Sufficiency of Housekeeping Efforts and BMP Maintenance:
- Housekeeping – **SUFFICIENT**
- BMP Maintenance – **SUFFICIENT**

Describe Status of BMPs Previously Planned:
- None planned

Leaks or Spills and Inventory of Spill Equipment:
- Spills: None reported in 2014. Old stain noted on ground surrounding the used oil AST, but is not contributing to storm water pollution.
- Spill Equipment: Spill kit containing shovel, rags, absorbent materials

List Deficiencies Noted in Facility Inspection Reports:
- No deficiencies noted in the facility inspection reports in 2014.

List Permit Non-Compliance and Exceedance of Decision Criteria Noted in 2014:
- At OF 001:
  - All permit limits were met.
  - Decision criteria for Cu and Zn were exceeded in 2014.
  - Toxicity was >100% control survival.

Non-Storm Water Discharges:
- None observed

ASTs:

- LC-118-AST-01 500 gal used oil
- LC-118-AST-11 250 gal diesel

Planned or Possible BMPs to Be Implemented as a Result of the 2014 Evaluation:

- None planned

Compliance:

- Site is in compliance with the SWPPP.

Facility: Surface Warfare Group-4 and SPECBOAT 20

Inspectors: K. Smith and C. Ostman

Date: 10/28/2014

Outfall(s): 001 and 003

Map Sheet(s): 30

POC: Cecil Lee

Industrial Activity:

- Boat maintenance and repair

Personnel Interviewed:

- Cecil Lee

Buildings:

Building 123 – Administrative, storage, indoor wet suit rinsing
Building 124 – Boat storage, Boat maintenance and light repair
Fabricated buildings south of Building 123 – Boat and equipment storage

Outdoor Material Storage:

- Boats
- Equipment (trucks and trailers)
- Conex boxes
- Trailers and trailer parts
- Miscellaneous wood and metal

Evidence of Storm Water Pollution and Its Source:

- None observed

Identify and Assess Sufficiency of Existing BMPs:

- Sediment traps for indoor wet suit rinsing area are checked quarterly to remove sediment to prevent it discharging to the storm sewer system – **SUFFICIENT**

Identify and Assess Sufficiency of Housekeeping Efforts and BMP Maintenance:

- Housekeeping – **SUFFICIENT**
- BMP Maintenance – **SUFFICIENT**

Describe Status of BMPs Previously Planned:

- None planned

Leaks or Spills and Inventory of Spill Equipment:

- Spills: None reported in 2014
- Spill Equipment: Shovels, rags, and oil absorbents

List Deficiencies Noted in Facility Inspection Reports:

- No deficiencies noted in the facility inspection reports in 2014.

List Permit Non-Compliance and Exceedance of Decision Criteria Noted in 2014:

- OF 001:
  - All permit limits were met.
  - Decision criteria for Cu and Zn were exceeded in 2014.
  - Toxicity was >100% control survival.
- OF 003: All permit limits were met during 2014 monitoring.

Non-Storm Water Discharges:

- Wet suit rinsing

ASTs:

- None

Planned or Possible BMPs to Be Implemented as a Result of the 2014 Evaluation:

- None planned

Compliance:

- Site is in compliance with the SWPPP.

Facility: NSWG4, SPECBOAT 20 and Mobile Communications Team

Inspectors: K. Smith and C. Ostman

Date: 10/28/2014

Outfall(s): 001 and 046

Map Sheet(s): 30

POC: Cecil Lee

Industrial Activity:

- Boat maintenance and light repair

Personnel Interviewed:

- Cecil Lee

Buildings:

Building 107 – Administrative spaces
Building 107A – Administrative
Building 107C – Electronics supply
Building 126 – Boat maintenance and light repair; LC-126-OWS-01 outside building for boat wash, engine flush and bilge drain with discharge to the sanitary sewer when in use, otherwise flow is diverted to the storm sewer.
Building 127 – Boat storage, maintenance and light repair

Outdoor Material Storage:

- Spill kit
- 2 Trash dumpsters
- Conex boxes
- Flammable locker
- Diesel AST

Evidence of Storm Water Pollution and Its Source:

- None observed

Identify and Assess Sufficiency of Existing BMPs:

- Spill kits and flammable locker – **SUFFICIENT**

Identify and Assess Sufficiency of Housekeeping Efforts and BMP Maintenance:

- OWS installed away from waterfront area for activity use at Building 126. Training provided to command on proper use of washrack. – **SUFFICIENT**
- Housekeeping – **SUFFICIENT**
- BMP Maintenance – **SUFFICIENT**

Describe Status of BMPs Previously Planned:

- None planned

Leaks or Spills and Inventory of Spill Equipment:

- Spills:

Date	Location	Receiving Waters	Spill Type	Quantity (gal)	Clean up Action	Cause
04/23/2014	Building 126	Storm Drain	Oil	1	Vacuum truck	Operator Error

- Spill Equipment: Shovels, rags and oil absorbents

List Deficiencies Noted in Facility Inspection Reports:

- No deficiencies noted in the facility inspection reports in 2014.

List Permit Non-Compliance and Exceedance of Decision Criteria Noted in 2014:

- OF 001:
  - All permit limits were met.
  - Decision criteria for Cu and Zn were exceeded in 2014.
  - Toxicity was >100% control survival.
- OF 046: No monitoring performed/required in 2014.

Non-Storm Water Discharges:

- None observed

ASTs:

- LC-126-AST-01 250 gal diesel

Planned or Possible BMPs to Be Implemented as a Result of the 2014 Evaluation:

- None planned

Compliance:

- Site is in compliance with the SWPPP.

Facility: Washrack for Landing Craft Air Cushion (LCAC)

Inspectors: K. Smith and C. Ostman

Date: 11/03/2014

Outfall(s): 002/902

Map Sheet(s): 1

POC: DCC Rice or BM1 Jackson

Industrial Activity:
LCAC are rinsed after coming out of the water.

Personnel Interviewed:
- DCC Rice

Buildings:
LCAC washrack 3827-OWS-01

Outdoor Material Storage:
- None observed

Evidence of Storm Water Pollution and Its Source:
- None observed

Identify and Assess Sufficiency of Existing BMPs:
- Salt water and sand are rinsed off of LCACs. Trench drains in the washrack capture rinse water and discharge to an OWS located on the northwest side of washrack, 3827-OWS-01. The treated water is pumped from the OWS to a recycle tank to be reused in LCAC rinse operations. A water tank valve allows the recycle tank to discharge to HRSD when necessary. Only rinse overspray and rain not captured by the trench drains discharge to storm.
- Washrack, OWS and recirculation unit for keeping wash water and accompanying pollutants from entering storm system – **DEFICIENT**. The washrack was not in working condition during the site compliance evaluation. Personnel noted that there were issues with the current OWS and recycle system water tank valve. Wash water was backing up in the trench drains and the system was being worked on to fix the issue. The valve was replaced on 11/5/14 as a corrective action.

Identify and Assess Sufficiency of Housekeeping Efforts and BMP Maintenance:
- Housekeeping – **SUFFICIENT**
- BMP Maintenance – **SUFFICIENT**

Describe Status of BMPs Previously Planned:
- None planned

Leaks or Spills and Inventory of Spill Equipment:
- Spills: None reported in 2014
- Spill Equipment: Spill kits are kept in Building 3822 and in maintenance bays

List Deficiencies Noted in Facility Inspection Reports:
- No deficiencies noted in the facility inspection reports in 2014.

List Permit Non-Compliance Noted in 2014:
- OF 002 and OF 902-All permit limits met.

Non-Storm Water Discharges:
- Overflow of wash water (recycling tank) is discharged to the sanitary sewer system. No non-storm discharges are typically released to the storm sewer system. During the site compliance evaluation

there was a maintenance issue with the washrack causing potable water to back up in the trench drains and overflow across the pavement. There was a potential for water to wash down the ramp or towards the storm drain inlets.

ASTs:

- Recirculated rinse water

Planned or Possible BMPs to Be Implemented as a Result of the 2014 Evaluation:

- None planned

Compliance:

- Site was not in compliance with the SWPPP.

Facility: LCAC Storage, Maintenance, Operation, and Fresh Water Rinsing Area

Inspectors: K. Smith and C. Ostman

Date: 11/03/2014

Outfall(s): 002/902, 009/909, and 784

Map Sheet(s): 2

POC: DCC Rice or BM1 Jackson

Industrial Activity:

- LCAC are parked, maintained, and operated. Painting and major maintenance is performed inside of garage. Minor maintenance is performed outside. Craft are parked outside on tarmac. Fresh water rinsing of craft on tarmac immediately after going through wash rack and parking.

Personnel Interviewed:

- DCC Rice

Buildings:

LCAC ramp and tarmac
Building 3816 – Maintenance
Buildings 3816A through 3816G – Maintenance

Outdoor Material Storage:

- Landing craft
- Spill kits
- Maintenance equipment is temporarily stowed on tarmac while maintenance performed.

Evidence of Storm Water Pollution and Its Source:

- None observed

Identify and Assess Sufficiency of Existing BMPs:

- Large garage bays used for maintenance of LCACs – **SUFFICIENT**
- Spill kits located in maintenance bays – **SUFFICIENT**
- Biofiltration area northwest of maintenance garage – **SUFFICIENT**
- Three OWSs, LC-3816-OWS-02, LC-3816-OWS-03, and LC-3816-OWS-04, located between maintenance bays to remove oil from any water internal to the buildings. The OWSs discharge to the sanitary sewer system. – **SUFFICIENT**

Identify and Assess Sufficiency of Housekeeping Efforts and BMP Maintenance:

- Housekeeping – **SUFFICIENT**
- BMP Maintenance – **SUFFICIENT**

Describe Status of BMPs Previously Planned:

- None planned

Leaks or Spills and Inventory of Spill Equipment:

- Spills:

Date	Location	Receiving Waters	Spill Type	Quantity (gal)	Clean up Action	Cause
08/14/2014	Building 3816	N/A	Sewage	0.5	Vacuum truck	Operator Error

- Spill Equipment: Absorbent materials

List Deficiencies Noted in Facility Inspection Reports:

- No deficiencies noted in the facility inspection reports in 2014.

List Permit Non-Compliance Noted in 2014:

- OF 002 and OF 902-All permit limits met.

Non-Storm Water Discharges:

- None observed at time of site inspection; however, OF 002 is permitted for LCAC rinsing.

ASTs:

- LC-AST-3823-04 located in front of LCAC Ramp Building, 2000 gal diesel tank

Planned or Possible BMPs to Be Implemented as a Result of the 2014 Evaluation:

- None planned

Compliance:

- Site is in compliance with the SWPPP.

Facility: LCAC Fueling, Parking and Maintenance, and LCAC Hazmat

Inspectors: K. Smith and C. Ostman

Date: 11/03/2014

Outfall(s): 010

Map Sheet(s): 7 and 8

POC: GSM1 Warren, DCC Rice or BM1 Jackson

Industrial Activity:

- LCAC are parked and have minor maintenance performed at the south end of the tarmac. LCACs are fueled in a designated fueling rack which drains through an oil water separator to HRSD. LCACs also undergo maintenance beneath a semi-permanent tent structure-Surface Life Extension Program (SLEP); NSSA oversees SLEP contractual work.

Personnel Interviewed:

- GSM1 Warren

Buildings:

Building 3817 – Supplies and equipment storage
Building 3821 – Supplies
Building 3822 – Hazardous materials
SLEP Tent – LCAC maintenance and repair

Outdoor Material Storage:

<u>Southeast end of tarmac</u>

- Conex boxes (number varies) for parts storage

<u>Under fueling dock</u>

- Secondary containment pallet
- Spill kit including shovels, brooms, etc.
- LC-3816-OWS-01
- DSA-3843-01 (No drums currently stored on pallet)

<u>Hazardous material and supply inside fence at Building 3822</u>

- Scrap metal dumpster
- Material storage lockers
  - 3 Flammable material storage
  - 3 Hazardous material storage
  - 1 Satellite accumulation area LC-SAA-3821-01
- Wood crates and material boxes
- Plastic containers, clam shells
- Can crusher
- Used filters, 5 gal buckets, used antifreeze and used oil canisters
- Rubber hoses
- Used paint in poly storage
- Gas cylinders; more than 30 cylinders with argon and difluoromethane
- Miscellaneous metal storage on metal racks
- 55 gal drums (number and content varies)
- Spill kits
- Fuel and oily rags in Poly Pacs (number varies)

Supply Department (Building 3817)

- Portable AST fuel tanks/generators
- POLs; antifreeze, gas, oils in drums and gas canisters
- Metal storage in Conex boxes
- Spill kit
- Propane gas cylinders
- Forklifts, trucks, bobcats, construction lights
- 3817-AST-10 385 gal used oil AST
- Several poly drums-antifreeze
- Oily rags and small oil collection container

East of SLEP tent

- Dumpsters-3 trash dumpsters, 1 wood dumpster, 1 rubber dumpster
- Conex boxes
- Scrap wood-pallets
- Vehicle and equipment storage-forklifts, portable fuel tanks, and large construction lights
- Multiple portable toilets
- Gas cylinders in metal cabinet (propane)

South of SLEP tent

- LC-L3-AST-02 diesel 241 gal tank
- Portable fueling tank

North of SLEP tent

- Wood crates and pallets
- Miscellaneous metal storage

West of SLEP tent

- Trash dumpster
- Conex boxes
- Spill kit
- 500 gal dyed diesel portable fuel tank
- 2 Flammable storage lockers
- Rubber hoses
- Portable toilets
- 2 Portable generators
- Gas cylinders (propane)
- Miscellaneous metal supplies/materials

Evidence of Storm Water Pollution and Its Source:

- None observed

Identify and Assess Sufficiency of Existing BMPs:

- Fuel pit containment area drains to an OWS connected to the sanitary sewer system to prevent any POL lost during fueling from reaching the storm sewer system. The valve controlling discharge to the OWS remains closed and is only opened to receive rinse water after a fuel spill has occurred or to discharge accumulated rain water that doesn't evaporate. – **SUFFICIENT**
- Dumpsters – **SUFFICIENT**
- Semi-permanent tent structure for LCAC SLEP – **SUFFICIENT**
- Drop inlet filter fabric within tent structure to prevent metal and debris from entering storm system – **SUFFICIENT**
- Filter fabric cleaned every 6 months – **SUFFICIENT**

- Secondary containment located under fueling rack – **SUFFICIENT**
- Secondary containment for drums at Building 3817 – **DEFICIENT**. No secondary containment at the time of the site compliance evaluation. Drums were removed on 11/17/14 as a corrective action.

Identify and Assess Sufficiency of Housekeeping Efforts and BMP Maintenance:

- Housekeeping – **SUFFICIENT**
- BMP Maintenance – **SUFFICIENT**

Describe Status of BMPs Previously Planned:

- None planned

Leaks or Spills and Inventory of Spill Equipment:

- Spills:

Date	Location	Receiving Waters	Spill Type	Quantity (gal)	Clean up Action	Cause
01/08/2014	Building 3843	N/A	JP-5	5	Absorbent pads	Mechanical Failure

- Spill equipment: Spill kits contain absorbent materials
- Stained pavement noted at Building 3817 from historic spills.

List Deficiencies Noted in Facility Inspection Reports:

- No deficiencies noted in the facility inspection reports in 2014.

List Permit Non-Compliance Noted in 2014:

- No monitoring performed/required during 2014.

Non-Storm Water Discharges:

- None observed

ASTs:

- LC-3821-AST-03 2000 gal used oil
- LC-3821-AST-04 2000 gal used oil
- LC-38-17-10 385 gal used oil
- 500 gal dyed diesel portable fuel tank west of SLEP tent
- LC-L3-AST-02 241 gal diesel fuel tank
- Small portable fueling tank

Planned or Possible BMPs to Be Implemented as a Result of the 2014 Evaluation:

- None planned

Compliance:

- Site was not in compliance with the SWPPP.

Facility: Steam Plant

Inspectors: K. Smith and C. Ostman

Date: 11/03/2014

Outfall(s): 003

Map Sheet(s): 31

POC: Ken Wessling

Industrial Activity:

- Generation of steam for distribution throughout the base. Processes include reverse osmosis, multi-media filters, and OWS with discharge to sanitary sewer.
- Fuel tanks and fuel loading area
- OWS for tank berm, fuel loading area, and floor drains inside building

Personnel Interviewed:

- None

Buildings:

Building 777 – Steam plant, fuel tanks, and 2 OWS

Outdoor Material Storage:

- 2 Flammable lockers
- Solid waste dumpster
- Polypac
- Eye wash station next to ASTs
- Tactical water purification system (TWPS) units

Evidence of Storm Water Pollution and Its Source:

- None observed

Identify and Assess Sufficiency of Existing BMPs:

- Grass swale w/ riprap – **SUFFICIENT**
- PIV (divert reject water to sanitary sewer if necessary) – **SUFFICIENT**
- LC-777-OWS-01 for process water and indoor drains (attached to PIV) discharges to sanitary sewer but has connections to storm – **SUFFICIENT**
- Flammable locker storage w/ risers – **SUFFICIENT**
- Solid waste dumpster – **SUFFICIENT**
- Fuel loading rack curb w/ design to drain back to secondary containment – **SUFFICIENT**
- Sign for operating fuel loading rack – **SUFFICIENT**
- Valve operated secondary containment for AST – **SUFFICIENT**
- Polypac – **SUFFICIENT**
- LC-778-OWS-01 is checked periodically and would only receive fuel/oil if there was a spill. The water in the OWS was very clean at the time of inspection. – **SUFFICIENT**

Identify and Assess Sufficiency of Housekeeping Efforts and BMP Maintenance:

- Housekeeping – **SUFFICIENT**
- BMP Maintenance – **SUFFICIENT**

Describe Status of BMPs Previously Planned:

- None planned

Leaks or Spills and Inventory of Spill Equipment:

- Spills: None reported in 2014
- Spill equipment: Located by fuel loading station

List Deficiencies Noted in Facility Inspection Reports:

- No deficiencies noted in the facility inspection reports in 2014.

List Permit Non-Compliance Noted in 2014:

- OF 003: All permit limits were met during 2014 monitoring.

Non-Storm Water Discharges:

- Multimedia filter backwash included in VPDES permit as allowable discharge.
- Reverse osmosis (RO) reject water with valve that can divert to sanitary sewer, if necessary. City water does not go through the RO process.
- Tactical water purification system (TWPS) training is sporadically held at field adjacent to Building 777. No water is allowed to enter the storm sewer system.
- Permitted discharge; steam condensate discharges downstream from steam plant.

ASTs:

- LC-NAB775-AST-01 5,000 gal diesel (for peak shaving generator)
- LC-NAB777-AST-01 150 gal diesel (inside building)
- LC-NAB778-AST-01 180,000 gal #2 fuel oil
- LC-NAB778-AST-03 5,000 gal fuel oil (for emergency spill containment at fuel loading rack)
- LC-NAB752-AST-02 500 gal diesel

Planned or Possible BMPs to Be Implemented as a Result of the 2014 Evaluation:

- Route process discharges to the sanitary sewer system. Note: This action was completed in December 2014. The pipe to the storm sewer system was cut so that the reject process water only discharges to the sanitary sewer system.

Compliance:

- Site is in compliance with the SWPPP.

Facility: AFDL-6 Floating Dry Dock "Dynamic"

Inspectors: K. Smith and C. Ostman

Date: 10/28/2014

Outfall(s): 006/906

Map Sheet(s): 22

POC: LT Gaitan

Industrial Activity:

- SIC 3731-Ship Building and Repairing: Dry dock operations include grit blasting, painting and other maintenance of small craft.

Personnel Interviewed:

- LT Gaitan

Buildings and Piers:

AFDL-6
Pier 10

Outdoor Material Storage:

- None, dry dock recently returned from maintenance/repair at shipyard in 2013; no ship currently at dry dock

Evidence of Storm Water Pollution and Its Source:

- None observed

Identify and Assess Sufficiency of Existing BMPs:

- Dry dock BMPs listed in VPDES Permit VA0079928, Part I.C.8.a. – **SUFFICIENT**

Identify and Assess Sufficiency of Housekeeping Efforts and BMP Maintenance:

- Housekeeping – **SUFFICIENT**
- BMP Maintenance – **SUFFICIENT**

Describe Status of BMPs Previously Planned:

- Hydroblast water treatment and capture; based on a study of hydroblast water treatment/capture alternatives it was decided to capture all hydroblast water and discharge to HRSD. At the time of the site compliance evaluation, the hydroblast water treatment/capture system was not operational due to deficiencies in the system, but there was no process wastewater in 2014 so the treatment/capture system was not needed.

Leaks or Spills and Inventory of Spill Equipment:

- Spills: None reported in 2014
- Spill Equipment: Absorbent materials kept on barge and on the dock.

List Deficiencies Noted in Facility Inspection Reports:

- No deficiencies noted in the facility inspection reports in 2014.

List Permit Non-Compliance and Exceedance of Decision Criteria Noted in 2014:

- OF 006 – No process wastewater discharge occurred in 2014 so a sample was not collected.
- OF 906
  - All permit limits were met.
  - Decision criteria for Cu and Zn were exceeded in 2014.
  - Toxicity was >100% control survival.

Non-Storm Water Discharges:

- None observed

ASTs:

- None observed

Planned or Possible BMPs to Be Implemented as a Result of the 2014 Evaluation:

- Possible BMP of metal filtering media to be placed at dry dock scuppers to treat stormwater runoff.

Compliance:

- Site is in compliance with the SWPPP.

Facility: Dry Dock Support

Inspectors: K. Smith and C. Ostman

Date: 10/28/2014

Outfall(s): 008

Map Sheet(s): 22

POC: LT Gaitan

Industrial Activity:
- Dry dock support

Personnel Interviewed:
- LT Gaitan

Buildings:
AFDL-6 compound excluding the dry dock

Outdoor Material Storage:
- Miscellaneous metal and wood (amount varies)
- Air compressor
- Rope
- Wood pallets holding chains
- Conex storage boxes (number varies)
- Keel blocks (number varies)
- Hoses
- Chains
- Satellite waste accumulation LC-SAA-1262-01
- 2 Flammable lockers
- 2 Portable generators – next to barge (staged for painting)
- Dumpsters – scrap metal, wood, and solid waste
- In lean-to (1268)
  - Gas cylinders-oxygen, acetylene
  - 3 Polypac 2-drum containments

Evidence of Storm Water Pollution and Its Source:
- None observed

Identify and Assess Sufficiency of Existing BMPs:
- Filters in drop inlets – **SUFFICIENT**
- Polypac and containment – **SUFFICIENT**
- Waste dumpsters – **SUFFICIENT**

Identify and Assess Sufficiency of Housekeeping Efforts and BMP Maintenance:
- Housekeeping – **SUFFICIENT**
- BMP Maintenance – **SUFFICIENT**. The washrack is not being used to wash vehicles or clean equipment, however, the washrack drop inlet filter had a plant growing out of it.

Describe Status of BMPs Previously Planned:
- None planned

Leaks or Spills and Inventory of Spill Equipment:
- Spills: None reported in 2014. There is evidence of past paint spills, also noted in the 2013 SCE report, but the residue does not contribute to storm water pollution.

- Spill Equipment: Absorbent material, shovels, brooms – kept in barge and on dry dock

List Deficiencies Noted in Facility Inspection Reports:

- No deficiencies noted in the facility inspection reports in 2014.

List Permit Non-Compliance and Exceedance of Decision Criteria Noted in 2014:

- No monitoring performed/required during 2014.

Non-Storm Water Discharges:

- None observed

ASTs:

- N/A

Planned or Possible BMPs to Be Implemented as a Result of the 2014 Evaluation:

- None planned

Compliance:

- Site is in compliance with the SWPPP.

Facility: Construction Battalion (CB) Crane Maintenance and Boat Repair

Inspectors: K. Smith and C. Ostman

Date: 11/05/2014

Outfall(s): 007/907 and 047/947

Map Sheet(s): 16

POC: Chief Pero

Industrial Activity:

- Ship Building and Repair: Hull barnacle removal, spot blasting/painting and other maintenance of vessels and mobile piers or causeways is conducted on south pad and on crusher run stone area surrounding CB-125. Vessel rinse and pressure wash also conducted on south pad.
- Crane equipment maintenance and light repair. Heavier maintenance occurs inside Building CB-125. Spot greasing and spot sand/paint also occurs in north crusher run stone area.

Personnel Interviewed:

- CB-125 personnel

Buildings:

Building CB-125

Outdoor Material Storage:

North, northeast, and northwest of Building CB-125

- Cranes
- Conex boxes
- Miscellaneous metal beams/ parts
- Wood Beams
- Metal rolling supports
- Travel lift
- Causeway section

West of Building CB-125

- Ballast sections
- Mobile generators/air compressors
- Conex boxes for material storage
- Empty 55-gal drums within fenced-in area for hazardous materials
- Metal scaffolding and sand bags inside fenced area
- Metal DURMAT sections
- 3 Craft on blocks
- Rubber fenders
- Cranes to move Conex boxes
- Forklifts
- Wood pallets; number varies
- Metal piping staged for installation
- Portable metal ladders
- Travel lift

West of CB-125 in a fenced area

- Flammable locker (metal locker)
- Empty cans and drums (eighteen 55 gal drums)
- Miscellaneous metal

- Spill kit
- Wood pallets

East of CB-125

- Causeway sections (number varies)
- Solid waste garbage dumpster
- Recycle dumpster (cardboard)
- Metal storage lockers
- Conex boxes

South pad

- IBC container (hydraulic fluid)

Southwest of CB-125

- Bridge sections
- Miscellaneous metal (amount varies)
- Conex boxes (number varies)
- Cable
- Hoses
- DSA-CB125-01 by cyclone
- Cyclone (not in use-drums removed and discharge outlet covered with plastic)

Evidence of Storm Water Pollution and Its Source:

- Areas with no ground cover can release sediment during heavy rain event.

Identify and Assess Sufficiency of Existing BMPs:

- Drop cloths and drip pans in use as necessary during outdoor maintenance operations – **SUFFICIENT**
- Air pollution control device bag-houses at each corner of building. Cyclone outlet secured with plastic and drums removed. Cyclones no longer used. – **SUFFICIENT**
- Drain filters have been installed in the drop inlets that are located in the asphalt to the east and west of the south pad to remove sediment. – **SUFFICIENT**
- Sweep south concrete pad of solids prior to any washing operation. – **SUFFICIENT**
- Biofiltration areas at south pad. These capture water from pressure wash of vessel hulls. In practice, little if any pressure wash actually reaches the biofiltration areas. The biofiltration areas also have a raised outlet with 6 or more inches of clearance. – **SUFFICIENT**

Identify and Assess Sufficiency of Housekeeping Efforts and BMP Maintenance:

- Housekeeping – **SUFFICIENT**
- BMP Maintenance – **SUFFICIENT**

Describe Status of BMPs Previously Planned:

- None planned

Leaks or Spills and Inventory of Spill Equipment:

- Spills: None reported in 2014
- Spill Equipment: Absorbent materials

List Deficiencies Noted in Facility Inspection Reports:

- No secondary containment for IBC drum noted on 03/14/2014. Container was empty and was removed on 04/30/2014.
- Drain insert and drain covered with soil noted on 09/10/2014. Replaced drain insert on 11/07/2014.

List Permit Non-Compliance and Exceedance of Decision Criteria Noted in 2014:

- OF 007, 947, and 047: No monitoring performed/required during 2014.
- OF 907
  - Dissolved Cu results have met the Decision Criteria.
  - Dissolved Zn results have exceeded the Decision Criteria. The installation of the biofiltration areas at the south pad has not resolved this stormwater issue. Further study is required.
  - Toxicity results (LC50) have greater than 100% control survival.

Non-Storm Water Discharges:

- Pressure washing of vessel hulls and causeways on the south pad to remove salt, marine growth, and barnacles. No detergent is used and minimal paint is removed attached to the barnacles. This is a permitted discharge.
- Periodic sump pump removal of groundwater that enters the agar inside the building. Facility maintenance is called and the water is discharged to a crusher run stone area and allowed to infiltrate into the ground.

ASTs:

- None observed

Planned or Possible BMPs to Be Implemented as a Result of the 2014 Evaluation:

- See above comments regarding Decision Criteria exceedances for Zn.

Compliance:

- Site is in compliance with SWPPP although exceedances of Zn need to be further addressed.

Facility: Assault Craft Unit-2 (ACU-2) Pier Operations and Maintenance

Inspectors: K. Smith and C. Ostman

Date: 10/27/2014

Outfall(s): 811, 812, 813, 814

Map Sheet(s): 5 and 6

POC: PO Kegley

Industrial Activity:
- Vessel berthing and pier operations for ACU-2 small craft
- Vehicle maintenance and washrack by Pier 34

Personnel Interviewed:
- None

Buildings and Piers:
Building 1522 – Offices, storage, vehicle maintenance bays (trench drains discharge to LC-1522-OWS-01 on NW corner that discharges to sanitary sewer only)
Building 1522A – Armory
Piers 20 to 34 – Several patrol boats and lighterage craft at piers

Outdoor Material Storage:
<u>West of Building 1522</u>
- Compressed gas cylinders (halon, oxygen, argon, nitrogen)
- Miscellaneous metal (amount varies)
- LC-1522OWS-01
- Forklifts
- Boats
- Rubber bumpers
- Compressed gas cylinders (Acetylene-9, small cylinder for compressor)
- Portable air compressors

<u>North of Building 1522</u>
- Piers
- Conex boxes (number varies)
- POV parking
- 2 Spill kits
- Clam shell for HW storage (filled with used oil and gas canisters)

<u>Storage area to East of the entrance gate</u>
- 2 ASTs (one gasoline and one diesel)
- Conex boxes (number varies)
- Hoses
- Small pumps
- Miscellaneous metals
- Gas cylinders
- Water pump
- Rope, chairs, and cables
- POL drums in poly secondary containment – antifreeze, hydraulic fluid, lubricating oil
- 2 Spill kits
- 4 Drums of lubricating oil on pallets

- 2 Metal HW lockers
  - One labeled "Dangerous" with solvents, degreasers, hydraulic fluid
  - Other used for paint and used paint storage

South of Building 1522

- Clam shell-with hoses, currently empty
- Wood pallets
- Commercial size refrigerators and freezers
- Storage locker
- Generator
- HW storage in poly containers-batteries, POLs, oily rags, oily filters, waste in drums
- 2 Flammable gas metal locker cabinets
- HW SSA-located together
  - LC-SSA-1520-01
  - LC-UWAA-1522-01 (universal waste accumulation area)

Piers 20-34

- Wooden pallets
- Dumpster-1 scrap metal

Evidence of Storm Water Pollution and Its Source:

- Flaking paint chips are recurring issue at piers. Command periodically sweeps up.
- Metal flakes on ground near metal storage area along west side of building.

Identify and Assess Sufficiency of Existing BMPs:

- Pier area BMPs listed in VPDES Permit VA0079928, Part I.C.8.a – **SUFFICIENT**
- Hazardous Waste/Hazmat Storage Area – **SUFFICIENT**
- Dumpsters – **SUFFICIENT**

Identify and Assess Sufficiency of Housekeeping Efforts and BMP Maintenance:

- Housekeeping – **DEFICIENT** at the time of site compliance evaluation due to metal flakes on pavement. Metal flakes swept up on 10/30/14 as a corrective action.
- BMP Maintenance – **SUFFICIENT**

Describe Status of BMPs Previously Planned:

- None planned

Leaks or Spills and Inventory of Spill Equipment:

- Spills:

Date	Location	Receiving Waters	Spill Type	Quantity (gal)	Clean up Action	Cause
03/12/2014	Pier 32	Little Creek Channel	Diesel	1.5	Absorbent sweeps	Mechanical Failure

- Spill equipment: Standard spill kits with absorbent socks, pillows and granular material is located in the hazardous materials storage area.

List Deficiencies Noted in Facility Inspection Reports:

- Excess equipment and cable not properly stowed in lay down area east of Building 1522 noted on 07/21/2014. Properly covered and maintained laydown yard on 11/04/2014.
- Trash observed floating in the water at Pier 22 on 03/27/2014. ACU-2 conducts pier sweepers daily to remove trash from water.

- Metal rope that is lubricated, is improperly stored on the ground causing a sheen run-off when it rains observed on 09/09/2014 across from Building 1522.

List Permit Non-Compliance Noted in 2014:

- No monitoring performed/required at outfalls during 2014.

Non-Storm Water Discharges:

- None observed

ASTs:

- In storage area east of Building 1522
  - LC-1522-AST-03A (250 gal containing gasoline)
  - LC-1522-AST-03B (250 gal containing diesel)

Planned or Possible BMPs to Be Implemented as a Result of the 2014 Evaluation:

- None planned

Compliance:

- Site was not in compliance with the SWPPP.

Facility: Finger Pier Operations and Port Operations Quay Wall

Inspectors: K. Smith and C. Ostman

Date: 10/28/2014

Outfall(s): 035, 790, 791, 793, 794, 795, 796, 797, and 798

Map Sheet(s): 22

POC: Port Ops

Industrial Activity:
- Vessel berthing and pier operations for Port Ops vessels

Personnel Interviewed:
- None

Buildings and Piers:
Piers 1-8 (Finger Piers)
Port Operations Quay Wall

Piers and Outdoor Material Storage:
- Pier 1 – Empty
- Pier 2 – SPEC boat
- Pier 3 – Matthew Maury (TCC research vessel) with shore power, NOAA boat
- Pier 4 – Empty
- Piers 5-6 – Empty
- Piers 7-8 – Multiple boats (Marina Civilian Recreation Boats)
- Port Operations Quay Wall – Warping tugs

Evidence of Storm Water Pollution and Its Source:
- None observed

Identify and Assess Sufficiency of Existing BMPs:
- Pier area and long term docking BMPs listed in VPDES Permit VA0079928, Part I.C.8.a – **SUFFICIENT**
- Drain insert utilized in catch basin at intersection of Grapple Road and Gunston Hall Road – **SUFFICIENT**

Identify and Assess Sufficiency of Housekeeping Efforts and BMP Maintenance:
- Housekeeping – **SUFFICIENT**
- BMP Maintenance – **SUFFICIENT**

Describe Status of BMPs Previously Planned:
- None planned

Leaks or Spills and Inventory of Spill Equipment:
- Spills:

Date	Location	Receiving Waters	Spill Type	Quantity (gal)	Clean up Action	Cause
01/04/2014	Pier 7	Little Creek Channel	Gasoline/oil mixed	10	Containment boom and absorbent sweeps	Mechanical Failure

- Spill equipment: Spill kits are available nearby onshore and booms are located on piers

List Deficiencies Noted in Facility Inspection Reports:
- Inspection at Quay Wall found garbage bag tied to fence and some equipment containment berms that were not fully erected on 07/21/2014.

List Permit Non-Compliance Noted in 2014:

- No monitoring performed/required during 2014.

Non-storm Water Discharges:

- None observed

ASTs:

- None observed

Planned or Possible BMPs to Be Implemented as a Result of the 2014 Evaluation:

- None planned

Compliance:

- Site is in compliance with the SWPPP.

Facility: Teen Pier Operations

Inspectors: K. Smith and C. Ostman

Date: 10/27/2014

Outfall(s): 808, 809, 810

Map Sheet(s): 6, 14, and 22

POC: N/A

Industrial Activity:

- SIC 4491 Marine Cargo Handling – Vessel berthing and pier operations

Personnel Interviewed:

- None

Buildings and Piers:

Piers 11-19 (Teen Piers)

Piers and Outdoor Material Storage:

Main Pier Area

- Wood pallets/lumber storage
- Miscellaneous metals and debris
- Hoses
- Gas cylinders
- 4 Forklifts
- Dumpsters-2 trash, 1 scrap metal
- Used cooking oil in poly container
- Spill kit and spill kit locker
- Portable toilets
- Refrigerated truck

Pier 11

- USS Shamal
- Hoses
- Wood Pallet
- Solid waste container

Pier 12

- USN Choctaw County
- Hoses

Pier 13

- Empty

Pier 14

- USCG #911

Pier 15

- USS Del Monte (training vessel)
- USCG Vigorous
- Hoses
- 3 Portable diesel belly tanks
- Forklift
- POLs-five 55 gal drums oils and one of hydraulic fluid

Pier 16
- USS Oak Hill (51)
- Rubber hoses

Pier 17
- Hoses

Pier 18
- Hoses

Pier 19
- YON 334

Evidence of Storm Water Pollution and Its Source:
- None observed-potential from containment berms.

Identify and Assess Sufficiency of Existing BMPs:
- Pier area and long term docking BMPs listed in VPDES Permit VA0079928, Part I.C.8.A. – **SUFFICIENT**

Identify and Assess Sufficiency of Housekeeping Efforts and BMP Maintenance:
- BMP Maintenance – **DEFICIENT;** portable AST secondary containment device wall flush with ground surface so not providing protection. As a corrective measure on 10/29/2014, the containment device wall was set upright and weights were placed on the legs to prevent the wind from blowing it down.
- Housekeeping – **SUFFICIENT**

Describe Status of BMPs Previously Planned:
- None planned

Leaks or Spills and Inventory of Spill Equipment:
- Spills:

Date	Location	Receiving Waters	Spill Type	Quantity (gal)	Clean up Action	Cause
01/09/2014	Pier 11	Little Creek Channel	Oil	1	Absorbent sweeps	Unknown
03/10/2014	Pier 16	N/A	Antifreeze/Coolant 50/50 mixed	2	Dry Sweep	Mechanical Failure
04/08/2014	Pier 11	Little Creek Channel	Hydraulic Fluid	0.016	None	Mechanical Failure
04/09/2014	Pier 15	Little Creek Channel	Oil	50	Absorbents, boom, and vacuum truck	Unknown
05/14/2014	Pier 13	N/A	Oil	0.25	Absorbent pads	Mechanical Failure
05/27/2014	Pier 16	N/A	Hydraulic Fluid	0.06	Absorbent pads	Mechanical Failure
08/12/2014	Pier 13	Little Creek Channel	Oil	0.25	Containment boom, absorbent sweeps	Operator Error
08/18/2014	Pier 12	Little Creek Channel	Oil	0.06	Containment boom, Absorbent sweeps	Mechanical Failure

- Spill equipment: Spill kits are available on each vessel and spill equipment is also located near Pier 19.

List Deficiencies Noted in Facility Inspection Reports:

- 1000 gal IBC container was been left on Pier 18. Container contained about 500 gal of oily waste; noted on 03/27/2014. Oil recovery pumped out IBC container and container removed from pier area 09/30/2014.
- Pier 16 – ship's crew painting ship left 5 gal containers of paint open and failed to properly cover JLG floor during painting noted on 03/27/2014. Painting operations halted until issues were addressed on 05/28/2014.
- JLG leaking hydraulic fluid onto Pier 16 noted on 03/27/2014. Stopped use of JLG, had leaks cleaned up, and provided on the spot training. Closed on 09/30/2014.
- Secondary containment under tanker ripped and damaged at Pier 16 on 03/27/2014. Contractor replaced damaged berm on 05/30/2014.
- On 08/29/2014 observed that porta-potties were not tied down at Pier 15. Observed on 03/27/2014 and addressed by 07/21/2014
- Pier 15 – tank in front of pier had flexible plastic (portable) secondary containment, but the sides of containment were down in some areas. Spoke to responsible contractor of containment; contractor stood sidewalls back up as required; training conducted with contractor on environmental requirements and told to check containment multiple times during the work day and after storms.
- Pier 12 – porta-potty on pier not secured. Porta-potty secured by contractor responsible for maintaining equipment-trained contractor on porta-potty requirements.
- Pier 15 – observed oil pan containing water and oily substance close to where the substation is located.
- Pier 17 – observed three blue plastic drums (originally containing AFFF-per label), with tops cut off (located at the bottom of the drums), containing about 2-3 inches of liquid on the bottom. Blue plastic drums on pier are used as secondary containment where hose couplings are connected in case of a leak during bilge pumping from vessel to tanker truck. Liquid in containers was water from previous rain event.
- Pier 18 – diesel fuel tank on secondary containment, but the secondary containment was unplugged. Observed a plastic container labeled "oily water" (no date on it) and some wastewater hoses on top of container. Secondary containment plugged and training conducted with contractor on proper maintenance of equipment. Oily waste container emptied and trying to get empty container removed from pier, unable to find proper owner of equipment.
- Pier 19 – abandoned cans of foaming agent and gal bonding agent (partially empty, swollen container). Also observed evidence of concrete spilled over the boom (by the 200 mark on Pier). Abandoned waste removed from pier. EPS spoke to Port Ops about checking and maintaining pier areas since they are in overall charge of those areas.

List Permit Non-Compliance Noted in 2014:

- No monitoring performed/required during 2014.

Non-Storm Water Discharges:

- Permitted discharge; steam condensate discharge.

ASTs:

- Portable generators with diesel belly tanks

Planned or Possible BMPs to Be Implemented as a Result of the 2014 Evaluation:

- None planned

Compliance:

- Site was not in compliance with the SWPPP.

Facility: Desert Cove East Pier Operations

Inspectors: K. Smith and C. Ostman

Date: 11/06/2014

Outfall(s): N/A-sheet flow only

Map Sheet(s): 8 and 9

POC: N/A

Industrial Activity:
- SIC 4491 Marine Cargo Handling – vessel berthing and pier operations

Personnel Interviewed:
- None

Buildings and Piers:
Desert Cove East – Piers 44-49

Piers and Outdoor Material Storage:
Pier 44-49
- Typical craft consists of warping tugs and smaller craft; empty at time of site compliance evaluation

Evidence of Storm Water Pollution and Its Source:
- None observed

Identify and Assess Sufficiency of Existing BMPs:
- Pier area and long term docking BMPs listed in VPDES Permit VA0079928, Part I.C.8.A.7 – **SUFFICIENT**

Identify and Assess Sufficiency of Housekeeping Efforts and BMP Maintenance:
- Housekeeping – **SUFFICIENT**
- BMP Maintenance – **SUFFICIENT**

Describe Status of BMPs Previously Planned:
- None planned

Leaks or Spills and Inventory of Spill Equipment:
- Spills: None reported in 2014
- Spill equipment: Inside CB-123 and CB-124

List Deficiencies Noted in Facility Inspection Reports:
- No deficiencies noted in the facility inspection reports in 2014.

List Permit Non-Compliance in 2014:
- No monitoring performed/required during 2014.

Non-Storm Water Discharges:
- None observed

ASTs:
- None observed

Planned or Possible BMPs to Be Implemented as a Result of the 2014 Evaluation:
- None planned

Compliance:
- Site is in compliance with the SWPPP.

Facility: Desert Cove South Pier Operations

Inspectors: K. Smith and C. Ostman

Date: Site visit: 10/28/2014

Outfall(s): N/A-sheet flow only

Map Sheet(s): 16

POC: N/A

Industrial Activity:
- SIC 4491 Marine Cargo Handling – vessel berthing and pier operations

Personnel Interviewed:
- None

Building:
Desert Cove South - Piers 52-55

Piers and Outdoor Material Storage:
Piers 52-55
- Small craft docking and leaving from piers for training
- Conex boxes stored along road on the opposite side from the piers

Evidence of Storm Water Pollution and Its Source:
- New fence and gate west of Pier 55 with storm drain inlet in the center of unpaved driveway. There is no filter fabric to prevent sediment from washing into the storm sewer system.

Identify and Assess Sufficiency of Existing BMPs:
- Pier area and long term docking BMPs listed in VPDES Permit VA0079928, Part I.C.8.a. – **SUFFICIENT**

Identify and Assess Sufficiency of Housekeeping Efforts and BMP Maintenance:
- Housekeeping – **SUFFICIENT**
- BMP Maintenance – **SUFFICIENT**

Describe Status of BMPs Previously Planned:
- None planned

Leaks or Spills and Inventory of Spill Equipment:
- Spills: None reported for 2014
- Spill equipment: No activity being performed that warrants a spill kit.

List Deficiencies Noted in Facility Inspection Reports:
- No deficiencies noted in the facility inspection reports in 2014.

List Permit Non-Compliance Noted in 2014:
- No monitoring performed/required during 2014.

Non-Storm Water Discharges:
- None observed

ASTs:
- None observed

Planned or Possible BMPs to Be Implemented as a Result of the 2014 Evaluation:
- Drain insert to be added to storm drain inlet located in the new unpaved driveway. Note: Drain insert was installed in the structure on 11/6/14.

Compliance:

- Site is in compliance with the SWPPP.

Facility: Coastal Riverine Group and Desert Cove North Pier Operations

Inspectors: K. Smith and C. Ostman

Date: 11/05/2014

Outfall(s): 029 for Building 3869 compound, sheet flow off piers

Map Sheet(s): 8

POC: Coastal Riverine Squadron 4-Chief Chatter

Industrial Activity:
- Vessel berthing and pier operations
- Vehicle and marine maintenance and storage

Personnel Interviewed:
- None

Buildings and Piers:
Building 3869 – Boat maintenance and storage area

Desert Cove North Piers 36-43 –Typical craft includes patrol boats, test craft, security, and other craft. Piers empty at time of site compliance evaluation**.**

Outdoor Material Storage:
<u>East of Building 3869</u>
- Wood pallets
- Conex boxes
- Plywood/lumber
- Fenced area
  - Hoses
  - A/C units
  - Wooden boxes
  - Conex boxes
  - Tires
  - Wood
  - Miscellaneous metals
- Outside of fence
  - Canvas, tires
  - Windshield glass
  - Pallets and wood crates
  - Miscellaneous metal
- Hazardous material storage area
  - Bermed area with open drain, fenced and locked but contains no waste as is going away; all tanks drained and cleaned
  - LC-3869-AST-01 500 gal
  - LC-3869-AST-02 through 04 250 gal hydraulic fluid, used oil, and antifreeze

<u>South of Building 3869</u>
- Boat trailer
- Hazardous material storage locker
- Conex boxes
- Tires

West of Building 3869

- Equipment lay down area
- Conex and wood boxes
- Generators
- Miscellaneous metal storage
- Mobile flood lights
- Forklifts
- Small cranes/lifts
- Trucks
- Humvees
- Deployable field AC units

Evidence of Storm Water Pollution and Its Source:

- None observed

Identify and Assess Sufficiency of Existing BMPs:

- Pier area and long term docking BMPs listed in VPDES Permit VA0079928, Part I.C.8.a – **SUFFICIENT**

Identify and Assess Sufficiency of Housekeeping Efforts and BMP Maintenance:

- Housekeeping – **SUFFICIENT**
- BMP Maintenance – **SUFFICIENT**

Describe Status of BMPs Previously Planned:

- None planned

Leaks or Spills and Inventory of Spill Equipment:

- Spills: None reported for 2014
- Spill equipment: Spill kit located in hazardous material storage area.

List Deficiencies Noted in Facility Inspection Reports:

- Trash and debris were found at the entrance to and at Pier 36 on 10/14/2014. Debris and trash were picked up by 10/22/2014.
- Trash and debris on Pier 39 observed on 11/17/2014. Cleaned up by 11/18/2014.

List Permit Non-Compliance Noted in 2014:

- OF 029: Sampling is represented by Outfall 033 and no exceedances noted in 2014.

Non-Storm Water Discharges:

- None observed

ASTs:

- LC-3869-AST-01 through AST-04: All empty and cleaned. Will be disposed by DRMO unless can be used elsewhere on base.

Planned or Possible BMPs to Be Implemented as a Result of the 2014 Evaluation:

- None planned

Compliance:

- Site is in compliance with the SWPPP.

Facility: Special Warfare Group Command

Inspectors: K. Smith and C. Ostman

Date: 11/06/2014

Outfall(s): 033 and 040

Map Sheet(s): 16 and 17

POC: Wally Waipa

Industrial Activity:

- Boat maintenance

Buildings:

Building 3805 – Unknown
Building 3806 – North leg under construction
Building 3806 – East and south areas have boat maintenance. Freshwater boat and trailer rinses outside on back side of building. Only small quantities of rinse water reaches a storm drain. Very little water is generated and most of it puddles and evaporates. There is no detergent used. Also, there are outdoor showers for rinsing after physical training. No soap is used.
Building 3808 – Unknown
Building 3812 – Storage, administrative, computer support, and medical staff
Building 3813 – Storage and administrative
Building 3814 – Submarine training facility – fresh water is used in training simulator then discharged to interior trench drains and out of door to storm sewer.
Building 3853 – Storage, maintenance of small equipment and boats, scuba and wet suit rinse, engraver shop, and administrative
Building 3855 – Storage
Building 3855A – Gym
Building 3855B – Maintenance
Building 3873 – Air operations and parachute maintenance

Personnel Interviewed:

- Ms. Lavender

Outdoor Material Storage:

<u>Building 3806</u>

- Flammable material storage lockers (number varies)
- Boats on trailers (number varies)
- Conex boxes (number varies)
- Dumpsters

<u>Building 3812</u>

- Conex boxes
- Trailers
- 2 Spill kits
- 4 Waste dumpsters-2 trash, 1 cardboard, 1 scrap metal
- Wood pallets
- 9 Hazmat lockers-4 corrosive, 3 dangerous, and 2 flammable

<u>Building 3813</u>

- Conex boxes (number varies)
- 50+ Compressed gas cylinders

Building 3814
- Conex boxes (number varies)
- 4 Dumpsters-2 trash and 2 cardboard
- Construction and construction laydown
- Construction dumpster
- Broken sandbags and lots of dirt/sand with no filter fabric

Building 3841
- Conex boxes (number varies)

Building 3842
- Conex boxes (number varies)

Building 3855
- Hazardous material storage locker-11 flammable, 1 DSA, and 2 corrosive
  - LC-UWAA-3853-01 (universal waste accumulation)
  - Hazardous material storage locker
- 3 Spill kits
- Solid waste dumpsters
- 55 gal drums on pallets
- Gas cylinders (oxygen)

Building 3873
- Trash dumpster
- Conex boxes
- Vehicle, boat, and trailer storage between Buildings 3855 and 3873

Evidence of Storm Water Pollution and Its Source:
- Sand from broken sand bags was present throughout compound and around inlet entering storm sewer system.

Identify and Assess Sufficiency of Existing BMPs:
- Equipment storage in Conex boxes – **SUFFICIENT**
- Flammable lockers – **SUFFICIENT**
- Dumpsters – **SUFFICIENT**

Identify and Assess Sufficiency of Housekeeping Efforts and BMP Maintenance:
- Housekeeping – **DEFICIENT**; broken sandbags around compound providing source of sediment into storm sewer system at time of inspection. All sand and sand bags were cleaned up and removed on 12/3/14 as a corrective action**.**
- BMP Maintenance – **DEFICIENT**. At the time of the site compliance evaluation, the stormwater BMPs were disturbed from heavy equipment and construction. NAVFAC personnel evaluated the area on 12/4/14 and provided guidance to correct the identified issues. Attempts are being made to identifying the contract and the contractor who damaged the area so repairs can be made.

Describe Status of BMPs Previously Planned:
- None planned

Leaks or Spills and Inventory of Spill Equipment:
- Spills: None reported for 2014
- Spill equipment: Spill kits stored in the compound. Kits contain absorbent materials (granular and pillows).

List Deficiencies Noted in Facility Inspection Reports:

- No deficiencies noted in the facility inspection reports in 2014.

List Permit Non-Compliance Noted in 2014:

- OF 033: All permit limits were met.
- OF 040: No monitoring performed/required during 2014

Non-storm Water Discharges:

- Boat, trailer, scuba gear rinses, and outdoor showers for personnel rinse.
- Permitted discharge; steam condensate discharges into storm water inlet.

ASTs:

- None observed

Planned or Possible BMPs to Be Implemented as a Result of the 2014 Evaluation:

- None planned

Compliance:

- Site was not in compliance with the SWPPP.

Facility: Port Operations

Inspectors: K. Smith and C. Ostman

Date: 11/05/2014

Outfall(s): 034 and 035

Map Sheet(s): 22 and 23

POC: BM2 McAvoy

Industrial Activity:

- SIC 4491 – Marine Cargo Handling. Some boat rinsing occurs where water drains through a grassy area.

Personnel Interviewed:

- None

Buildings and Piers:

2000 – Administrative, tool room, outside OWS connected to trench drains inside building (discharge to sanitary sewer only, but no longer serves a purpose)
2000A – Satellite accumulation area
MPQW Pier – 3 Navy Police boats, 1 barge, 1 floating bucket lift, 4 army boats, and 3 push tugs

Outdoor Material Storage:

- Fenced Hazmat/Storage area (South of Building 2000)
  - Shed – POL products, rags, PPE
  - Solid waste dumpster
  - Polypac – drums for engine oil
  - Flammable liquids locker
  - Clam shell – used oil, antifreeze
- Spill kit
- Forklift
- Oil boom
- Wood pallets
- Keel blocks
- Cable
- Fenced area by 2000B
  - Trash dumpster
  - Spill kit
  - Poly container with marine engine oil
  - 2 Drums used oil in poly container
  - Flammable lockers-1 antifreeze and 1 gasoline
  - Metal storage locker with grease and hydraulic fluid
  - Poly 4-drum containment
- Concrete pad by 2000B
  - Spill kit
  - Boat and trailer storage
- LC-2000-OWS-01
- Hazardous material storage (cinder block locker)-paint storage
- In other fenced area
  - Conex boxes
  - Cones, booms
  - Rope

Evidence of Storm Water Pollution and Its Source:

- None observed

Identify and Assess Sufficiency of Existing BMPs:

- Flammable storage lockers – **SUFFICIENT**
- Drum containment – **SUFFICIENT**
- Oil and Grease Locker – **SUFFICIENT**
- Paint Storage Building – **SUFFICIENT**
- Infiltration grass swale used for draining fresh rinse boat wash water – **SUFFICIENT**

Identify and Assess Sufficiency of Housekeeping Efforts and BMP Maintenance:

- Housekeeping – **SUFFICIENT**
- BMP Maintenance – **SUFFICIENT**

Describe Status of BMPs Previously Planned:

- None planned

Leaks or Spills and Inventory of Spill Equipment:

- Spills: None reported for 2014
- Spill equipment: Shovel, granular absorbent and absorbent socks

List Deficiencies Noted in Facility Inspection Reports:

- No deficiencies noted in the facility inspection reports in 2014.

List Permit Non-Compliance Noted in 2014:

- No monitoring performed/required during 2014.

Non-Storm Water Discharges:

- None observed

ASTs:

- LC-2000-AST-01: 475 gal diesel (for emergency generator)

Planned or Possible BMPs to Be Implemented as a Result of the 2014 Evaluation:

- None planned

Compliance:

- Site is in compliance with the SWPPP.

Facility: Fuel Farm

Inspectors: K. Smith and C. Ostman

Date: 11/03/2014

Outfall(s): 780, 781

Map Sheet(s): 8

POC: Kenny Garey and Gary Riffey

Industrial Activity:

- SIC 4226 – Bulk Fuel Storage. Facility stores bulk fuel for loading and unloading trucks and marine craft. The facility also has dispensers used for fueling GOVs and POVs.

Personnel Interviewed:

- Kenny Garey

Buildings and Facilities:

Building 3860 – Administrative, workshop, pump house (marine diesel to pier, diesel/gas to truck rack)
Building 3861 – Covered truck loading rack
Building 3826 – Pump house (JP-5 for LCAC)
NEX Gas Station – Fuel dispensers, fuel tanks, truck off-load rack
Marine Fuel Dispensers – Located on Desert Cove quay wall to serve small military and USCG craft

Outdoor Material Storage:

- Flammable material storage locker
- Conex box
- Spill kit
- 55 gal drum on secondary containment
- 2 Drums on secondary containment (oily rags and pads)
- Gas and diesel fueling station south of building 3860
- Fueling station along pier

Evidence of Storm Water Pollution and Its Source:

- None observed

Identify and Assess Sufficiency of Existing BMPs:

- Earthen berms with liners around fuel ASTs (marine diesel and JP-5) – **SUFFICIENT**
- Secondary containment for other AST – **SUFFICIENT**
- Leak detection systems – **SUFFICIENT**
- Containment curb with control valve for NEX truck offload – **SUFFICIENT**. However, see recommendation below.
- Containment curb for Building 3861 truck rack (drop inlet with discharge to UST: 3868-UST-03) – **SUFFICIENT**.
- Spill kits – **SUFFICIENT**
- Solid waste dumpster – **SUFFICIENT**
- Containment valve; no discharge from the containment area when the valve is closed and stormwater runoff discharges to the storm sewer system when the valve is opened. – **SUFFICIENT**

Identify and Assess Sufficiency of Housekeeping Efforts and BMP Maintenance:

- Housekeeping – **SUFFICIENT**
- BMP Maintenance – **SUFFICIENT**

Describe Status of BMPs Previously Planned:

- None planned

Leaks or Spills and Inventory of Spill Equipment:

- Spills:

Date	Location	Receiving Waters	Spill Type	Quantity (gal)	Clean up Action	Cause
02/06/2014	Building 3860	N/A	Gasoline	1	Absorbent sweeps	Operator Error
04/20/2014	Building 3860	N/A	Diesel	10	Absorbent pads	Mechanical Failure

- Spill equipment: Shovel, granular absorbent and absorbent socks.

List Deficiencies Noted in Facility Inspection Reports:

- No deficiencies noted in the facility inspection reports in 2014.

List Permit Non-Compliance Noted in 2014:

- No monitoring performed/required during 2014.

Non-Storm Water Discharges:

- None observed

ASTs:

- LC-AST-3845-01 (250K gal JP-5)
- LC-AST-3846-01 (250K gal JP-5)
- LC-AST-3863-01 (50K gal marine diesel)
- LC-AST-3864-01 (45K gal marine diesel)
- LC-AST-3825 -01 (75K gal JP-5)
- LC-AST-3838-01 (10K gal gasoline, Convault tank)
- LC-AST-3839-01 (10K gal diesel, Convault tank)
- NEX: LC-AST3836A-01 (10K gal gasoline)
- NEX: LC-AST-3837-01 (10K gal diesel)

Planned or Possible BMPs to Be Implemented as a Result of the 2014 Evaluation:

- Install sign with valve operating instructions.

Compliance:

- Site is in compliance with the SWPPP.

Facility: Explosive Ordnance Disposal (EOD) Compound

Inspectors: K. Smith and C. Ostman

Date: 10/28/2014

Outfall(s): 045 and 832

Map Sheet(s): 6 and 14

POC: EN1 Talibi

Industrial Activity:

- SIC 2892 – Explosives; storage, maintenance, boat washing and engine flushing.

Personnel Interviewed:

- EN1 Talibi

Buildings:

Building 1618 – Administrative, medical, armory, woodshop
Building 1618 A, B, C – Administrative trailers
Building 1618 B-2 – New covered unloading/loading area. Future use as storage area
Building 1618 D-F – Armory
Building 1619 – Administrative– EOD MO Unit 6
Building 1620 – Chief's Mess
Building 1621 – Storage
Building 1622 – Boat maintenance and light repair
Building 1623 – Vehicle maintenance and light repair, but changing to be same as 1622
Building 1625 – Boat/Vehicle maintenance and light repair, washrack, and OWS

Outdoor Material Storage

- Parking POV and GOV
- Spill kits
- Picnic tables
- Gazebo
- Bulk storage
- Hazardous materials areas
- HW satellite accumulation areas
- Storage containers
- Conex boxes on stone area and in new elevated storage area west of Building 1623.
- 2 Trash dumpsters
- Cardboard dumpster
- Scrap metal dumpster
- Solid waste dumpster
- Wood pallets
- 4 55 gal recycle bins
- Emergency generator, plus associated belly tank (400 gal)
- Old equipment
- Boats (number varies)
- Conex boxes (number varies)
- Trailered boats
- Flammable material storage locker and battery storage
- Large and small forklifts
- POLs – drums in secondary containment

- Metal storage locker with expired Sodasorb

Evidence of Storm Water Pollution and Its Source:
- South and east of Building 1625, soil not stabilized with gravel or vegetation.

Identify and Assess Sufficiency of Existing BMPs:
- Dumpsters – **SUFFICIENT**
- Outdoor washrack with associated OWS with discharge to both the sanitary and storm sewers – **SUFFICIENT**
- Use of instructional sign at wash rack – **SUFFICIENT**
- Storm drain insert – **SUFFICIENT**

Identify and Assess Sufficiency of Housekeeping Efforts and BMP Maintenance:
- Housekeeping – **SUFFICIENT**
- BMP Maintenance – **SUFFICIENT**

Describe Status of BMPs Previously Planned:
- None planned

Leaks or Spills and Inventory of Spill Equipment:
- Spills: None reported in 2014
- Spill equipment: Shovel, granular absorbent and absorbent socks

List Deficiencies Noted in Facility Inspection Reports:
- No deficiencies noted in the facility inspection reports in 2014.

List Permit Non-Compliance 2014:
- No monitoring performed/required during 2014.

Non-Storm Water Discharges:
- Wet-suit rinsing

ASTs:
- LC-1619-AST-13
- LC-1619-AST-01 500
- LC-1625-AST-01 150 gal diesel generator belly tank
- LC-1618-AST-01 400 gal diesel belly tank generator

Planned or Possible BMPs to Be Implemented as a Result of the 2014 Evaluation:
- None planned

Compliance:
- Site is in compliance with the SWPPP.

Facility: Dogleg Piers and Quay Wall Operations

Inspectors: K. Smith and C. Ostman

Date: 10/28/2014

Outfall(s): 770 and sheet flow off piers and quay wall

Map Sheet(s): 15, 16, and 17

POC: N/A

Industrial Activity:
- SIC 4491 Marine Cargo Handling – vessel berthing and pier operations.

Personnel Interviewed:
- None

Buildings and Piers:
Quay Wall: LSDs – USS Tortuga and USS Whidbey Island
Pier 56: USNS Relentless
Pier 57: USS Porter (178)
Pier 58: Vessel No. 38 and MV Dolores Chouest
Pier 59: USNS Salvia

Outdoor Material Storage:
- Conex box
- Portable diesel tanks
- Air compressors at pier
- Oil Boom at end of pier
- Electronic boom stand
- Gas cylinders-argon, specialty gas
- Miscellaneous materials-metal, wood, and equipment
- 2 Refrigerator trucks and forklift
- 4 Solid waste dumpsters
- Scrap Metal Dumpster
- Large solid waste roll-off
- 2 Cardboard dumpsters
- Hoses to include CHT line
- Metal gangway, steps/platform
- AFFF tank
- Generators and air compressors
- Contractor trailered tank (oily waste) with portable spill containment under trailer/tank

Evidence of Storm Water Pollution and Its Source:
- None observed

Identify and Assess Sufficiency of Existing BMPs:
- Pier area and long term docking BMPs listed in VPDES Permit VA0079928, Part I.C.8.a – **SUFFICIENT**
- Cardboard dumpsters – **SUFFICIENT**
- Solid waste dumpster – **SUFFICIENT**
- Scrap metal dumpster – **SUFFICIENT**
- Secondary containment around portable equipment – **DEFICIENT**. At the time of the site compliance evaluation, some of the secondary containment device walls were flush with the ground surface. As a

corrective action on 10/29/14, the secondary containment device walls were made upright and the legs were weighted down to prevent the wind from blowing the unit down.

Identify and Assess Sufficiency of Housekeeping Efforts and BMP Maintenance:

- Housekeeping – **SUFFICIENT**
- BMP Maintenance – **DEFICIENT**, see note above regarding secondary containment

Describe Status of BMPs Previously Planned:

- None planned

Leaks or Spills and Inventory of Spill Equipment:

- Spills:

Date	Location	Receiving Waters	Spill Type	Quantity (gal)	Clean up Action	Cause
01/04/2014	Dogleg Pier	Little Creek Cove	Oil	1	Absorbent sweeps	Mechanical Failure
05/06/2014	Pier 56	Little Creek Cove	Sewage	1000	None	Mechanical Failure
05/07/2014	Dogleg Pier	N/A	Diesel	1	Absorbent pads	Operator Error
05/16/2014	Pier 56	Little Creek Cove	Hydraulic Fluid (sheen)	1.5 cups	Containment boom	Mechanical Failure
06/17/2014	Dogleg Pier	Little Creek Cove	Hydraulic Fluid	280	Containment boom, absorbent sweeps, vacuum truck	Operator Error

- Spill equipment: Located along piers.

List Deficiencies Noted in Facility Inspection Reports:

- Missing labels on tank from blasting operation on Dogleg Pier noted on 04/16/2014. Tanks removed on 04/30/2014.
- Heavy line disposed of in improper receptacle noted on 09/10/2014. Training provided on proper disposal on 09/11/2014.

List Permit Non-Compliance Noted in 2014:

- No monitoring performed/required during 2014.

Non-Storm Water Discharges:

- None observed

ASTs:

- None observed

Planned or Possible BMPs to Be Implemented as a Result of the 2014 Evaluation:

- None planned

Compliance:

- Site was not in compliance with the SWPPP.

Facility: Beachmaster Unit-2 (BMU-2)

Inspectors: K. Smith and C. Ostman

Date: 11/05/2014

Outfall(s): 760

Map Sheet(s): 9, 17, and 18

POC: Chief Brown

Industrial Activity:
- Maintenance and support for shore operations.

Personnel Interviewed:
- None

Buildings and Facilities:
Building 3144 – Administration, maintenance and light repairs (OWS for trench drains with discharge to sanitary sewer only)
Building 3145 – Storage
Unnumbered small buildings (metal sheds)
Storage
Armory (not in use)
Outdoor vehicle washracks (2) with OWS which discharge to sanitary sewer only

Outdoor Material Storage:
- Fenced drum storage area – secondary containment holding 55-gal and 30-gal containers
- 2 Solid waste dumpsters
- Cardboard dumpster
- Conex boxes
- Gas cylinders-acetylene, oxygen
- Tires
- Rubber pipes
- Miscellaneous metal storage
- Poly hardtop P4Plus-four 55 gal hydraulic fluid, 4 transmission fluid, degreaser
- Containment berm with drums and 5 gal brake fluid
- LC-3144-OWS-01 for wash down area
- LC-3144-OWS-02 for inside trench
- LC-3144-OWS-03 for wash down area
- Spill kit
- LC-3144-AST-13 130 gal diesel
- 4 Flammable material storage lockers-3 with spill kits, 1 with oily rags

Evidence of Storm Water Pollution and Its Source:
- None observed

Identify and Assess Sufficiency of Existing BMPs:
- Concrete berm for POL – **SUFFICIENT**
- Solid waste and cardboard dumpsters – **SUFFICIENT**
- Covered steel structure – **SUFFICIENT**
- Outdoor washrack with associated OWS and berm – **SUFFICIENT**
- Inside maintenance performed with trench drains and OWS – **SUFFICIENT**
- Filter fabric in inlet – **SUFFICIENT**

Identify and Assess Sufficiency of Housekeeping Efforts and BMP Maintenance:

- Housekeeping – **SUFFICIENT**
- BMP Maintenance – **SUFFICIENT**

Describe Status of BMPs Previously Planned:

- None planned

Leaks or Spills and Inventory of Spill Equipment:

- Spills: None reported in 2014
- Spill equipment: Shovel, granular absorbent and absorbent socks

List Deficiencies Noted in Facility Inspection Reports:

- No deficiencies noted in the facility inspection reports in 2014.

List Permit Non-Compliance Noted in 2014:

- No monitoring performed/required during 2014.

Non-Storm Water Discharges:

- Permitted discharge; steam condensate discharges to catch basins

ASTs:

- LC-3144-AST-05 (1000 gal used oil)
- LC3144-AST-13 (130 gal diesel)

Planned or Possible BMPs to Be Implemented as a Result of the 2014 Evaluation:

- None planned

Compliance:

- Site is in compliance with the SWPPP.

Facility: Navy Marine Corps Reserve Center (NMCRC)

Inspectors: K. Smith and C. Ostman

Date: 10/28/2014

Outfall(s): 801

Map Sheet(s): 21 and 22

POC: SGT Crossen

Industrial Activity:

- Vehicle and AMTRAC maintenance, outdoor washrack with LC-1-OWS-01 and discharge to sanitary sewer when in use, otherwise diverted to the storm sewer.

Personnel Interviewed:

- GY SGT Joens

Buildings

Building 1 – Administrative for Marine and Navy Reserve
Building 2 – Storage (clothing, MRE)
Building 7 – Vehicle and AMTRAC maintenance, covered vehicle storage

Outdoor Material Storage:

- Conex Boxes
- AMTRACs, Humvees
- Hazardous material storage area
- Gas cylinders in metal cabinet (propane)
- 2 Flammable material storage lockers-one with spill kit
- Empty drums
- Drum storage area – DSA-7-02
- Spill kit

Evidence of Storm Water Pollution and Its Source:

- None observed

Identify and Assess Sufficiency of Existing BMPs:

- Washrack with associated OWS; when in use valve diverts discharge to sanitary sewer – **SUFFICIENT**
- Berm valve – **SUFFICIENT**
- Storm Drain inserts – **SUFFICIENT**

Identify and Assess Sufficiency of Housekeeping Efforts and BMP Maintenance:

- Housekeeping – **SUFFICIENT**
- BMP Maintenance – **SUFFICIENT**

Describe Status of BMPs Previously Planned:

- None planned

Leaks or Spills and Inventory of Spill Equipment:

- Spills: None reported in 2014
- Spill equipment: Shovel, granular absorbent and absorbent socks

List Deficiencies Noted in Facility Inspection Reports:

- No deficiencies noted in the facility inspection reports in 2014.

List Permit Non-Compliance in 2014:

- No monitoring performed/required during 2014.

Non-Storm Water Discharges:

- None observed

ASTs:

- None

Planned or Possible BMPs to Be Implemented as a Result of the 2014 Evaluation:

- None planned

Compliance:

- Site is in compliance with the SWPPP.

Facility: Navy Exchange (NEX) Warehouse

Inspectors: K. Smith and C. Ostman

Date: 10/28/2014

Outfall(s): 001

Map Sheet(s): 30

POC: Carl Hollinger

Industrial Activity:

- Warehouse and storage for vending machines and vending machine supplies (bottled drinks, coffee, snacks, ice cream)

Personnel Interviewed:

- None

Buildings:

Building 121 – Warehouse is used to store bottles of soda, snacks, ice cream.

Outdoor Material Storage:

- Conex Boxes
- Wood Pallets
- Solid Waste Dumpsters

Evidence of Storm Water Pollution and Its Source:

- None observed

Identify and Assess Sufficiency of Existing BMPs:

- Truck Delivery and Supply Area -a trench drain discharges rain water to grassy swale prior to flowing to ditch that ultimately leads to OF 001. – **SUFFICIENT**

Identify and Assess Sufficiency of Housekeeping Efforts and BMP Maintenance:

- Housekeeping – **SUFFICIENT**
- BMP Maintenance – **SUFFICIENT**

Describe Status of BMPs Previously Planned:

- None planned

Leaks or Spills and Inventory of Spill Equipment:

- Spills: None reported in 2014
- Spill equipment: Shovel, granular absorbent and absorbent socks

List Deficiencies Noted in Facility Inspection Reports:

- Trash not being swept and picked up noted on 08/06/2014. Area cleaned by NEX personnel on 11/12/2014.

List Permit Non-Compliance Noted in 2014:

- OF 001:
  - All permit limits were met.
  - Decision criteria for Cu and Zn were exceeded in 2014.
  - Toxicity was >100% control survival.

Non-Storm Water Discharges:

- None observed

ASTs:

- None

Planned or Possible BMPs to Be Implemented as a Result of the 2014 Evaluation:

- None planned

Compliance:

- Site is in compliance with the SWPPP.

Facility: Construction Battalion Maintenance Unit-202 (CBMU-202)

Inspectors: K. Smith and C. Ostman

Date: 11/05/2014

Outfall(s): 830

Map Sheet(s): 26 and 27

POC: CMCN Farina

Industrial Activity:
- Vehicle maintenance and storage

Personnel Interviewed:
- CMCN Farina

Buildings:
Building 3613 – Storage for construction materials
Building 3614 – Vehicle maintenance (trench drains discharge to LC-3616-OWS-01 which is connected to the sanitary sewer only)
Building 3617 – Unknown
Building 3618 – Administrative and storage

Outdoor Material Storage:
- Conex boxes
- Miscellaneous metals
- Dump trucks
- Flatbed dump trucks
- Heavy equipment-forklifts, trucks, bucket lifts, 18-wheelers, rollers
- GOVs
- 2 Material storage lockers-1 flammable, 1 corrosive
- Clam shells
- 2, 55 gal drums of lube oil
- Solid waste dumpster
- Generators
- Gravel pile
- Fencing
- LC-3616-OWS-01
- Drum storage area DSA-3614-02
- Concrete mix, cinder block, bricks
- Gas cylinders-acetylene and oxygen
- Drum used for oily rags
- 5 Flammable metal lockers-one labeled dangerous and one labeled corrosive
- Empty spill kits-currently on order

Evidence of Storm Water Pollution and Its Source:
- None observed

Identify and Assess Sufficiency of Existing BMPs:
- Most of compound is crusher run stone with potential for sediment discharge in heavy rain. Storm drain inserts to protect drop inlets in this area were damaged or were not covering the entire inlet area so were not effectively capturing sediment at the time of the site compliance evaluation.

Identify and Assess Sufficiency of Housekeeping Efforts and BMP Maintenance:

- Housekeeping – **SUFFICIENT**
- BMP Maintenance – **DEFICIENT;** filter fabric in inlets was not functioning properly or was damaged at the time of the site compliance evaluation. Drain inserts were replaced on 11/12/14 as a corrective action.

Describe Status of BMPs Previously Planned:

- None planned

Leaks or Spills and Inventory of Spill Equipment:

- Spills: None reported in 2014
- Spill equipment: Shovel, granular absorbent and absorbent socks

List Deficiencies Noted in Facility Inspection Reports:

- No deficiencies noted in the facility inspection reports in 2014.

List Permit Non-Compliance Noted in 2014:

- No monitoring performed/required during 2014.

Non-Storm Water Discharges:

- None observed

ASTs:

- LC-3614-AST-01 500 gal diesel
- LC-3614-AST-02 250 gal heating oil
- LC-3614-AST-11A 250 gal gasoline
- LC-3614-AST-11B 250 gal diesel
- LC-3614-AST-12 500 gal used oil
- FS-AST-821-02 500 gal of unknown contents

Planned or Possible BMPs to Be Implemented as a Result of the 2014 Evaluation:

- None planned

Compliance:

- Site was not in compliance with the SWPPP.

Facility: Construction Battalion Vehicle Maintenance

Inspectors: K. Smith and C. Ostman

Date: 11/05/2014

Outfall(s): 778

Map Sheet(s): 9

POC: CM2 Willis

Industrial Activity:
- Vehicle maintenance and repair

Personnel Interviewed:
- None

Buildings:
CB205 – Storage for generators, welders, etc.
CB301 – Vehicle maintenance and repair, 3 OWS that discharge to sanitary sewer system only
CB302 – Vehicle maintenance and light repair
CB210 – Empty and being refurbished. Vehicles outside in storage area
CB310 – Alpha Company Headquarters with storage

Outdoor Material Storage:
<u>CB310 Headquarters</u>
- 3 Flammable lockers
- Non-flammable gas locker

<u>CB302</u>
- Forklifts (number varies)
- Hazmat lockers
- Humvees
- Heavy equipment
- Trucks
- Spill kits
- Fuel truck
- Mobile generators

<u>CB301</u>
- Flammable metal locker and DSA-CB301-04 in southeast corner
- LC-CB301- OWS-02 east of the building
- DSA-CB301-03 (in metal flammable locker)
- 2 Flammable lockers
- Spill kit
- Hazmat waste in metal storage locker
- Non-hazardous waste in drums (liquid with rust particles)
- Portable generator
- Washdown area for equipment (goes to OWS before discharging to the sanitary sewer only)
- Scrap metal dumpster behind building
- LC-CB301-OWS-03 west of the building
- LC-CB301-OWS-01 at the south east corner of the building

Evidence of Storm Water Pollution and Its Source:
- None observed

Identify and Assess Sufficiency of Existing BMPs:

- Containment for fuel truck (concrete curb) – **SUFFICIENT**

Identify and Assess Sufficiency of Housekeeping Efforts and BMP Maintenance:

- Housekeeping – **SUFFICIENT**
- BMP Maintenance – **SUFFICIENT**

Describe Status of BMPs Previously Planned:

- None planned

Leaks or Spills and Inventory of Spill Equipment:

- Spills:

Date	Location	Receiving Waters	Spill Type	Quantity (gal)	Clean up Action	Cause
02/07/2014	Building CB301	N/A	Oil	20	Excavated soil	Mechanical Failure
11/03/2014	Building CB301	N/A	Brake fluid	0.25	Absorbent pads	Operator Error

- Spill equipment: Shovel, granular absorbent and absorbent socks

List Deficiencies Noted in Facility Inspection Reports:

- No deficiencies noted in the facility inspection reports in 2014.

List Permit Non-Compliance Noted in 2014:

- No monitoring performed/required during 2014.

Non-Storm Water Discharges:

- Permitted discharge; steam condensate discharge.

ASTs:

- None

Planned or Possible BMPs to Be Implemented as a Result of the 2014 Evaluation:

- None planned

Compliance:

- Site is in compliance with the SWPPP.

Facility: Recycle Area

Inspectors: K. Smith and C. Ostman

Date: 11/03/2014

Outfall(s): 760

Map Sheet(s): 18

POC: Peggy Moore

Industrial Activity:

- Recycling

Personnel Interviewed:

- None

Buildings:
Concrete and paved surface west of Building 3661 – metals sorting (steel, aluminum, copper, and brass)
Permanent tented structure west of Building 3661 – used batteries, flammable storage locker, empty drums, empty paper recycle containers, cardboard, brass shells from firing range

Outdoor Material Storage:

- Front end Loader
- Wood dumpster
- 3 Mixed scrap metal dumpsters
- 3 Scrap metal dumpsters-aluminum, copper, stainless steel
- 3 Stainless steel dumpsters
- 2 Flammable material storage lockers
- Wood pallets
- Multiple empty 55 gal drums stored on side on outside rack. POLs (oil, diesel, hydraulic fluid
- 2 Tire dumpsters- one large size tires and one regular size tires
- Ropes
- Waste in drums

Evidence of Storm Water Pollution and Its Source:

- Potential – see below

Identify and Assess Sufficiency of Existing BMPs:

- Gutterbuddy is located at the bottom of the fence where the recycle pavement area discharges to a drainage ditch. Gutterbuddy helps to slow runoff and capture some sediment from site. Sediment in the runoff from the site is also captured in a retention pond located downstream of the facility.

- Drum storage rack area needs a sign reminding personnel to tightly close bung holes so drips don't fall on the ground – **DEFICIENT**. Sign made and placed in visible area next to drums on 11/7/14 as a corrective action.

Identify and Assess Sufficiency of Housekeeping Efforts and BMP Maintenance:

- Housekeeping – **DEFICIENT**
  - ACFT Turbo Engine (lubricating aircraft engine turbine oil) 1 quart empty cans scattered along section of western fence line. All cans picked up and placed in metal recycling on 11/7/14 as a corrective action.
  - Approximately 35 55-gallon drums stored along northern fence line; some drums are labeled zinc; some drums are in poor shape with missing bung holes missing; some lids aren't on all the way; missing bolt. Drums labeled, bung holes filled, and drums covered with plastic on 11/7/14 as a corrective action while the drums await disposal.

- BMP Maintenance – **SUFFICIENT**

Describe Status of BMPs Previously Planned:
- None planned

Leaks or Spills and Inventory of Spill Equipment:
- Spills: None reported in 2014
- Spill equipment: Shovel, granular absorbent and absorbent socks

List Deficiencies Noted in Facility Inspection Reports:
- At Building 3661, the area around drainage ditch and behind metals storage area contained items of trash that need to be picked up on 10/21/2014.

List Permit Non-Compliance Noted in 2014:
- No monitoring performed/required during 2014.

Non-Storm Water Discharges:
- Permitted discharge; steam condensate discharges into catch basin.

ASTs:
- None

Planned or Possible BMPs to Be Implemented as a Result of the 2014 Evaluation:
- None planned

Compliance:
- Site was not in compliance with the SWPPP.

Facility: Public Works Department (PWD) Transportation

Inspectors: K. Smith and C. Ostman

Date: 11/03/2014

Outfall(s): 760

Map Sheet(s): 18

POC: Robert Bias

Industrial Activity:
- Minor vehicle maintenance, to include preventative maintenance and oil changes.

Personnel Interviewed:
- None

Buildings:
Building 3661 – Minor vehicle maintenance, to include preventative maintenance and oil changes, and outdoor vehicle washrack that drains to LC-3661-OWS-01 with discharge to sanitary sewer only.

Outdoor Material Storage:
- Bucket trucks
- Forklifts
- Front end loaders
- Semi-tractor trailers
- Crane
- Crane counter balances
- Cables
- Portable fuel trucks in containment berm
- Buses
- Large vans
- Trucks
- 6 Drums of soap (2 specifically for window washing)
- LC-3661-OWS-01
- 2 Flammable material storage lockers-1 at back corner of building, 1 flammable locker across from OWS
- 2 Woodsheds
- Vehicle vacuum-C55 electric blower behind building
- Wood pallets
- Cylinders-16 propane cylinders in metal cabinets
- Portable metal stairs
- Compressors
- Conex boxes
- 2 Spill kits-1 in back corner and 1 near OWS
- Corrosive storage locker
- Scissor lift

Evidence of Storm Water Pollution and Its Source:
- None observed

Identify and Assess Sufficiency of Existing BMPs:
- Vehicle maintenance is conducted inside building. – **SUFFICIENT**
- Outdoor vehicle washrack with OWS treatment which discharges to sanitary sewer – **SUFFICIENT**

Identify and Assess Sufficiency of Housekeeping Efforts and BMP Maintenance:

- Housekeeping – **SUFFICIENT**
- BMP Maintenance – **SUFFICIENT**

Describe Status of BMPs Previously Planned:

- None planned

Leaks or Spills and Inventory of Spill Equipment:

- Spills:

Date	Location	Receiving Waters	Spill Type	Quantity (gal)	Clean up Action	Cause
03/21/2014	Building 3661	N/A	Hydraulic fluid	0.25	Dry sweep	Mechanical Failure

- Spill equipment: Shovel, granular absorbent and absorbent socks

List Deficiencies Noted in Facility Inspection Reports:

- No deficiencies noted in the facility inspection reports in 2014.

List Permit Non-Compliance Noted in 2014:

- No monitoring performed/required during 2014.

Non-Storm Water Discharges:

- Permitted discharge; steam condensate discharges into catch basin.

ASTs:

- LC-3661-AST-04 (275 gal used oil)

Planned or Possible BMPs to Be Implemented as a Result of the 2014 Evaluation:

- None planned

Compliance:

- Site is in compliance with the SWPPP.

Facility: Riverine Coastal Group

Inspectors: K. Smith and C. Ostman

Date: 10/27/2014

Outfall(s): 793

Map Sheet(s): 29

POC: BMC Hobkirk

Industrial Activity:
- Boat Maintenance and Equipment Storage

Personnel Interviewed:
- None

Buildings:
2002 – Covered boat storage facility. Maintenance also performed.

Outdoor Material Storage (includes large crusher run stone yard):
- Forklifts
- Trucks
- Trailers
- Portable generators
- Conex boxes
- Humvees
- Wooden boxes/debris
- Deployable fuel tanks
- Flammable locker
- Metal Scraps and equipment

Evidence of Storm Water Pollution and Its Source:
- Debris and trash in BMP, across compound, and outside the fence.

Identify and Assess Sufficiency of Existing BMPs:
- Stormwater LID swale around perimeter of yard was filled in with soil in some areas and had no visible boundary; an outlet structure top was displaced from the structure base bottom allowing stormwater runoff to immediately enter the storm sewer system and not be retained. As corrective action on 11/6/2014, the drainage structure grate top was placed back on the structure base.

Identify and Assess Sufficiency of Housekeeping Efforts and BMP Maintenance:
- Housekeeping is poor throughout the compound, including trash, debris, and oily rags laying on the ground. – **DEFICIENT**. As a corrective action on 10/30/2014, trash, debris, and oily rags were picked up and disposed of properly.

- BMP Maintenance-Storage boxes in LID swale and evidence of vehicle traffic through swale. Need to educate command to keep vehicles, equipment, materials out of stormwater LID feature. NAVFAC POC who is responsible for the BMPs was notified on 11/4/14 and is investigating the issue to provide proper maintenance of the BMPs.

- BMP vegetation was overgrown; evidence of damage by vehicles with tire tracks in the BMP area; and trash throughout BMP. Sections of the BMP were being used for miscellaneous equipment storage. Overflow outlet structures were in poor condition; several grates have been knocked off of their bases; one was completely filled in with sediment and appears to have been driven over several times. BMPs were not operating at their design capacity – **DEFICIENT**.

Describe Status of BMPs Previously Planned:

- None planned

Leaks or Spills and Inventory of Spill Equipment:

- Spills: None reported in 2014
- Spill equipment: Shovel, absorbent material

List Deficiencies Noted in Facility Inspection Reports:

- No deficiencies noted in the facility inspection reports in 2014

List Permit Non-Compliance Noted in 2014:

- No monitoring performed/required during 2014.

Non-Storm Water Discharges:

- None observed

ASTs:

- Portable belly tank generators

Planned or Possible BMPs to Be Implemented as a Result of the 2014 Evaluation:

- None planned

Compliance:

- Site was not in compliance with the SWPPP.

Facility: Riverine Coastal Group

Inspectors: K. Smith and C. Ostman

Date: 10/27/2014

Outfall(s): 808

Map Sheet(s): 14

POC: BMC Hobkirk

Industrial Activity:
- Vehicle and boat maintenance, and washdown in washrack

Personnel Interviewed:
- None

Buildings:
Building 1258 – Vehicle and boat maintenance, washrack, and OWS
New covered boat storage area

Outdoor Material Storage:
- Truck parking/boat storage
- 500 gal used oil AST
- Chain
- Wood pallets
- Forklift
- Conex boxes
- Portable generator
- Spill kit
- Metal HW locker with hydraulic fluids

Storage area west of building:
- Miscellaneous metal
- Portable gasoline tanks and generators
- Hummers/vehicles/equipment storage

Storage area south of building**:**
- Conex boxes
- Portable gasoline tanks
- Vehicle/equipment storage

Evidence of Storm Water Pollution and Its Source:
- None observed

Identify and Assess Sufficiency of Existing BMPs:
- Outdoor washrack with associated OWS with discharge to both the sanitary and storm sewers – **SUFFICIENT**
- Use of instructional sign at wash rack – **SUFFICIENT**
- Stormwater LID (infiltration) between Building 1258 and covered boat storage; 3 infiltration areas – **SUFFICIENT**

Identify and Assess Sufficiency of Housekeeping Efforts and BMP Maintenance:
- Housekeeping – **SUFFICIENT**

- BMP Maintenance – **DEFICIENT**; infiltration basin has standing water and infiltration areas do not appear to be maintained. NAVFAC POC who is responsible for the BMPs was notified of the BMP condition on 11/4/14 and he is investigating the issue.

Describe Status of BMPs Previously Planned:

- 3 infiltration areas installed during construction of facility

Leaks or Spills and Inventory of Spill Equipment:

- Spills: None reported in 2014
- Spill equipment: Shovel, absorbent

List Deficiencies Noted in Facility Inspection Reports:

- No deficiencies noted in the facility inspection reports in 2014.

List Permit Non-Compliance Noted in 2014:

- No monitoring performed/required during 2014.

Non-Storm Water Discharges:

- Permitted discharge; steam condensate discharge.

ASTs:

- 500 gal used oil

Planned or Possible BMPs to Be Implemented as a Result of the 2014 Evaluation:

- Recommended to stabilize dirt with ground cover in storage area

Compliance:

- Site was not in compliance with the SWPPP.

Facility: Underwater Construction Team One (UCT-1)

Inspectors: K. Smith and C. Ostman

Date: 11/06/2014

Outfall(s): 760

Map Sheet(s): 17

POC: CM1 Burrow and LS3 Turner

Industrial Activity:

- Boat maintenance and equipment repair

Buildings:

Building 3810 – Maintenance and light repair, office space and lockers
Building 3811 – Maintenance and boat repair
Building 3858 – Storage/supply
Building 3886 – Vehicle and equipment storage

Personnel Interviewed:

- Onsite personnel

Outdoor Material Storage:

Building 3810

- Solid waste and cardboard dumpsters
- Vehicles, boats, equipment (number and type varies)-Hummers, flatbed trailers, large trucks
- Propane gas storage-12 cylinders
- Covered Conex box storage
- Gas cylinders-oxygen, acetylene, argon, and carbon dioxide
- Metal locker
- Portable water tanks, generators, and pumps
- Miscellaneous metal storage

Building 3858

- Vehicle and equipment storage
- Miscellaneous metal storage
- Conex boxes
- Shipping crates
- Gas cylinders-oxygen

Building 3886

- Inflatable boats next to building
- Boats and trailers
- Forklifts and bobcats
- Conex boxes
- Metal flammable locker
- Wood crates
- Boat engines

Evidence of Storm Water Pollution and Its Source:

- None observed

Identify and Assess Sufficiency of Existing BMPs:

- Use of flammable materials storage locker – **SUFFICIENT**

Identify and Assess Sufficiency of Housekeeping Efforts and BMP Maintenance:

- Housekeeping – **SUFFICIENT**
- BMP Maintenance – **SUFFICIENT**

Describe Status of BMPs Previously Planned:

- None planned

Leaks or Spills and Inventory of Spill Equipment:

- Spills: None reported in 2014
- Spill equipment: Spill kits inside buildings

List Deficiencies Noted in Facility Inspection Reports:

- No deficiencies noted in the facility inspection reports in 2014.

List Permit Non-Compliance and Exceedance of Decision Criteria Noted in 2014:

- No monitoring performed/required during 2014.

Non-Storm Water Discharges:

- None observed

ASTs:

- None

Planned or Possible BMPs to Be Implemented as a Result of the 2014 Evaluation:

- None planned

Compliance:

- Site is in compliance with the SWPPP.

Facility: Center for Security Forces (CENSECFOR)

Inspectors: K. Smith and C. Ostman

Date: 11/05/2014

Outfall(s): 052

Map Sheet(s): 25

POC: Pete McCaghy

Industrial Activity:
- Boat maintenance and wash down

Buildings:
Building 3514

Personnel Interviewed:
- Pete McCaghy

Outdoor Material Storage:
- Vehicle and equipment storage-boats, boat trailers, trucks, and forklifts
- Hazardous waste SAA (LC-SAA-3514-01), marked flammable
- Spill kit
- Washdown area; no engine flushing. Water discharges to LC-3514-OWS-01 with discharge to sanitary sewer when in use, otherwise diverted to the storm sewer.
- Drum storage area DSA-3514-02 (flammable locker)
- 2 Yellow poly flip tops with oily rags
- 1 Flammable locker with solvents, degreasers, and herbicides
- 1 Flammable locker with gas and oil

Evidence of Storm Water Pollution and Its Source:
- None observed

Identify and Assess Sufficiency of Existing BMPs:
- Use of flammable materials storage locker – **SUFFICIENT**
- Use of instructional sign at wash rack – **SUFFICIENT**

Identify and Assess Sufficiency of Housekeeping Efforts and BMP Maintenance:
- Housekeeping – **SUFFICIENT**
- BMP Maintenance – **SUFFICIENT**

Describe Status of BMPs Previously Planned:
- None planned

Leaks or Spills and Inventory of Spill Equipment:
- Spills: None reported in 2014
- Spill equipment: Spill kits onsite.

List Deficiencies Noted in Facility Inspection Reports:
- No deficiencies noted in the facility inspection reports in 2014.

List Permit Non-Compliance and Exceedance of Decision Criteria Noted in 2014:
- No monitoring performed/required during 2014.

Non-Storm Water Discharges:
- None observed

ASTs:

- None

Planned or Possible BMPs to Be Implemented as a Result of the 2014 Evaluation:

- None planned

Compliance:

- Site is in compliance with the SWPPP.

Facility: Coastal Riverine Group-2

Inspectors: K. Smith and C. Ostman

Date: 11/05/2014

Outfall(s): 044

Map Sheet(s): 25

POC: Jennifer Wherry

Industrial Activity:
- Vehicle and equipment storage, and maintenance and washdown in washrack

Buildings:
Building 3511
Building 3516

Personnel Interviewed:
- Facility personnel not present at time of site compliance evaluation

Outdoor Material Storage:
- Gas cylinders-nitrogen, carbon dioxide, argon, helium, oxygen, tetrafluoroethane
- Flammable locker with POLs (lubricating oils, paint stripper, degreaser)
- Flammable metal cabinet
- Drum storage area LC-DSA-3511-02
- Wood and lumber storage
- Vehicle and equipment storage-boats, trailers, forklifts
- Cardboard dumpster
- LC-3511-AST-03 1000 gal diesel
- Spill kit by AST
- LC-3511-OWS-01 for washdown area with discharge to sanitary sewer when in use, otherwise diverted to the storm sewer.

Evidence of Storm Water Pollution and Its Source:
- None observed

Identify and Assess Sufficiency of Existing BMPs:
- Use of flammable materials storage locker – **SUFFICIENT**
- Use of instructional sign at wash rack – **SUFFICIENT**

Identify and Assess Sufficiency of Housekeeping Efforts and BMP Maintenance:
- Housekeeping – **SUFFICIENT**
- BMP Maintenance – **SUFFICIENT**

Describe Status of BMPs Previously Planned:
- None planned

Leaks or Spills and Inventory of Spill Equipment:
- Spills: None reported in 2014
- Spill equipment: Spill kits onsite.

List Deficiencies Noted in Facility Inspection Reports:
- Oil and trash on floor of motor pool area of Building 3511, noted on 03/19/2014. Oil and trash cleaned up and new POCs identified on 04/08/2014.

List Permit Non-Compliance and Exceedance of Decision Criteria Noted in 2014:

- No monitoring performed/required during 2014.

Non-storm Water Discharges:

- None observed

ASTs:

- LC-3511-AST-03 1000 gal diesel

Planned or Possible BMPs to Be Implemented as a Result of the 2014 Evaluation:

- None planned

Compliance:

- Site is in compliance with the SWPPP.

Facility: Military Sealift Command

Inspectors: K. Smith and C. Ostman

Date: 11/05/2014

Outfall(s): 044 and 039

Map Sheet(s): 25

POC: Mike Reilly

Industrial Activity:
- Training facility for crane operations

Buildings:
Building 3525

Personnel Interviewed:
- Mike Reilly

Outdoor Material Storage:
- 3 Flammable lockers
- Spill kits
- 3 Poly two-drum containers for non-regulated waste in drums
- Conex boxes
- LC-3524-OWS-01 used for spill control when training class is simulating fueling operations at sea in the event there is a hydraulic line break with discharge to sanitary sewer when in use, otherwise diverted to the storm sewer.
- Forklifts

Evidence of Storm Water Pollution and Its Source:
- None observed

Identify and Assess Sufficiency of Existing BMPs:
- Use of flammable materials storage locker – **SUFFICIENT**

Identify and Assess Sufficiency of Housekeeping Efforts and BMP Maintenance:
- Housekeeping – **SUFFICIENT**
- BMP Maintenance – **SUFFICIENT**

Describe Status of BMPs Previously Planned:
- None planned

Leaks or Spills and Inventory of Spill Equipment:
- Spills: None reported in 2014
- Spill equipment: Spill kits onsite

List Deficiencies Noted in Facility Inspection Reports:
- No deficiencies noted in the facility inspection reports in 2014.

List Permit Non-Compliance and Exceedance of Decision Criteria Noted in 2014:
- No monitoring performed/required during 2014.

Non-Storm Water Discharges:
- None observed

ASTs:
- None

Planned or Possible BMPs to Be Implemented as a Result of the 2014 Evaluation:

- None planned

Compliance:

- Site is in compliance with the SWPPP.

Facility: Logistics and Support Unit-2 (LOGSU-2) Transportation and Combat Service Support Detachment

Inspectors: K. Smith and C. Ostman

Date: 11/18/2014

Outfall(s): 530

Map Sheet(s): 17

POC: Mr. Gallarza and Mr. Bloomfield

Industrial Activity:
- Maintenance and supplies

Buildings:
Building 3807 – Supplies storage
Building 3859 – Vehicle maintenance
Building 3897 – Construction to the southeast

Personnel Interviewed:
- Mr. Gallarza and Mr. Bloomfield

Outdoor Material Storage:
Building 3859
- Flammable lockers
- Drum storage area
- Universal waste accumulation area
- Hazmat material storage area
- Spill kits
- Conex boxes
- Empty drums
- Gas cylinders
- Dumpsters

Building 3807
- Conex boxes
- Dumpster
- 2 Flammable storage lockers
- Poly roll top containment

Building 3897
- Trucks, buses, golf carts, cargo trucks, armored vehicles
- Tires
- Corrosive locker
- Poly cabinet for hazmat waste pending pick up
- Spill kits
- Empty drums
- Conex boxes
- LC-3897-OWS-01 drains to sanitary sewer when in use, otherwise diverted to the storm sewer.

Evidence of Storm Water Pollution and Its Source:
- None observed

Identify and Assess Sufficiency of Existing BMPs:
- Use of flammable materials storage lockers: **SUFFICIENT**

Identify and Assess Sufficiency of Housekeeping Efforts and BMP Maintenance:

- Housekeeping – **SUFFICIENT**
- BMP Maintenance – **SUFFICIENT**

Describe Status of BMPs Previously Planned:

- None planned

Leaks or Spills and Inventory of Spill Equipment:

- Spills: None reported in 2014
- Spill equipment: Spill kits located at each building.

List Deficiencies Noted in Facility Inspection Reports:

- No deficiencies noted in the facility inspection reports in 2014.

List Permit Non-Compliance and Exceedance of Decision Criteria Noted in 2014:

- No monitoring performed/required during 2014.

Non-Storm Water Discharges:

- None observed

ASTs:

- LC-3859-AST-01, 500 gal used oil

Planned or Possible BMPs to Be Implemented as a Result of the 2014 Evaluation:

- None planned

Compliance:

- Site is in compliance with the SWPPP.

Facility: Morale, Welfare, and Recreation (MWR) Regional Maintenance

Inspectors: K. Smith and C. Ostman

Date: 11/05/2014

Outfall(s): Ditch to Lake Bradford

Map Sheet(s): 34

POC: Jerry Doolittle

Industrial Activity:
- Vehicle maintenance

Buildings:
Building 3530
Building 3534

Personnel Interviewed:
- None

Outdoor Material Storage:
Building 3530
- Spill kit
- Dumpsters
- Conex boxes
- Forklifts
- Gas cylinders
- Waste in drums
- Miscellaneous metal storage
- Wood recycling dumpster
- Oil water separator
- Trucks

Building 3534
- AST and portable generators,
- Construction materials-cinder blocks, bricks, etc.
- Conex boxes
- Bobcats, trailers, lights

Evidence of Storm Water Pollution and Its Source:
- None observed

Identify and Assess Sufficiency of Existing BMPs:
- Spill kits – **SUFFICIENT**
- Hazardous material storage lockers – **SUFFICIENT**

Identify and Assess Sufficiency of Housekeeping Efforts and BMP Maintenance:
- Housekeeping – **SUFFICIENT**
- BMP Maintenance – **SUFFICIENT**

Describe Status of BMPs Previously Planned:
- None planned

Leaks or Spills and Inventory of Spill Equipment:
- Spills: None reported in 2014

- Spill equipment: Spill kit

List Deficiencies Noted in Facility Inspection Reports:

- At Building 3530 on 03/27/2014, the following items were noted: gas/fuel tank (cans), fire extinguishers, batteries (one of them with car cables hooked up), buckets with some brown liquid inside. All were under the carport and most of the items were located on some kind of metal tray. The cover (carport) was not sheltering the items from weather conditions. Issues were addressed by 07/18/2014.

List Permit Non-Compliance and Exceedance of Decision Criteria Noted in 2014:

- No monitoring performed/required during 2014.

Non-Storm Water Discharges:

- None observed

ASTs:

- Several portable belly generators
- LC-PORT-ASST-18

Planned or Possible BMPs to Be Implemented as a Result of the 2014 Evaluation:

- None planned

Compliance:

- Site is in compliance with the SWPPP.

Appendix C – Outfall Screening Data for NSN (including NSA HR)

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: Deperming Pier	Outfall ID: 001/199
Today's date: 11/25/2013	Time (Military): 0630
Investigators: B. Jack	Form completed by: B. Jack
Temperature (°F): 18	Rainfall (in.): Last 24 hours: 0.0 Last 48 hours: 0.0
Camera: Nikon COOLPIX AW110	Photo #s: None

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: Deperming Water Exchange System
- Known Industries:

Notes (e.g., origin of outfall, if known):
The water exchange system is only in operation four times a year for about 12 hours each time.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☐ RCP ☐ CMP ☒ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 4"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 001

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: N-3		Outfall ID: 003
Today's date: 3 December 2014		Time (Military): 0920
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 48	Rainfall (in.):Last 24 hours: <0.01	Last 48 hours: <0.01
Camera: Nikon AW 120		Photo #s: DSCN6202-6203

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: Fuel Tanks
- Known Industries: Petroleum Bulk Stations and Terminals, General Warehousing and Storage, Ship Building and Repairing

Notes (e.g., origin of outfall, if known):
Associated Industrial Sites: CEP-1, CEP-2, CEP-3, CEP-4, CEP-126, CEP-204

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 48"	In Water: ☐ No ☒ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☒ Yes ☐ No *If No, Skip to Section 5*				
Flow Description (If present)	☒ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None. Flow likely tidal drainage. No flow in up gradient features.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 003

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: N-2		Outfall ID: 005
Today's date: 3 December 2014		Time (Military): 0930
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 48	Rainfall (in.): Last 24 hours: <0.01	Last 48 hours: <0.01
Camera: Nikon AW 120		Photo #s: DSCN6204

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☒ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: General Warehousing and Storage

Notes (e.g., origin of outfall, if known):
Associated Industrial Site: CEP-126

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 12"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 005

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: M-2		Outfall ID: 011
Today's date: 3 December 2014		Time (Military): 1120
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 49	Rainfall (in.): Last 24 hours: <0.01	Last 48 hours: <0.01
Camera: Nikon AW120		Photo #s: DSCN6205-6206

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: Ship Building and Repairing

Notes (e.g., origin of outfall, if known):
Associated Industrial Site: CEP-198

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 24"	In Water: ☐ No ☒ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 011

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: L-3		Outfall ID: 014
Today's date: 3 December 2014		Time (Military): 1145
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 49	Rainfall (in.): Last 24 hours: <0.01	Last 48 hours: <0.01
Camera: Nikon		Photo #s: DSCN6207-6208

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: Ship Building and Repairing

Notes (e.g., origin of outfall, if known):
Associated Industrial Sites: CEP-198, CEP-209

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 36"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☒ Yes ☐ No *If No, Skip to Section 5*				
Flow Description (If present)	☒ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 014

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: L-3		Outfall ID: 016
Today's date: 3 December 2014		Time (Military): 1155
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 49	Rainfall (in.): Last 24 hours: <0.01 Last 48 hours: <0.01	
Camera: Nikon AW 120		Photo #s: DSCN6209-6210

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____

Known Industries: Ship Building and Repairing, Refrigerated Warehousing and Storage, General Warehousing and Storage

Notes (e.g., origin of outfall, if known):
Associated Industrial Sites: CEP-156, CEP-200, CEP-201, CEP-209

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☐ Circular ☐ Elliptical ☒ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: Approximately 64"x64"	In Water: ☐ No ☒ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☒ Yes ☐ No *If No, Skip to Section 5*				
Flow Description (If present)	☒ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 016

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: L-3		Outfall ID: 017
Today's date: 3 December 2014		Time (Military): 1200
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 49	Rainfall (in.): Last 24 hours: <0.01	Last 48 hours: <0.01
Camera: Nikon AW 120		Photo #s: DSCN6211-6212

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: Refrigerated Warehousing and Storage

Notes (e.g., origin of outfall, if known):
Associated Industrial Sites: CEP-156

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 36"_____	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: ___ Top Width: ___ Bottom Width: ___	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 017

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: J-2		Outfall ID: 022 – was not located
Today's date: N/A		Time (Military): N/A
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F):N/A	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00	
Camera:		Photo #s:

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: Boat Building and Repairing

Notes (e.g., origin of outfall, if known):
Associated Industrial Sites: CEP-160, CEP-203 & Pier 5T Boat Basin

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☐ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☐ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: _____	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☐ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
Not able to locate outfall; will be replaced by Outfall 23A.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 022

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☐ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☐ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☐ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: J-2		Outfall ID: 023
Today's date: 3 December 2014		Time (Military): 1235
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 49	Rainfall (in.): Last 24 hours: <0.01	Last 48 hours: <0.01
Camera: Nikon AW120		Photo #s: DSCN6213

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____

Known Industries: Boat Building and Repairing, Refrigerated Warehousing and Storage

Notes (e.g., origin of outfall, if known):
Associated Industrial Sites: CEP-156, CEP-160, CEP-203 & Pier 5T Boat Basin

Section 2: Outfall Description Pipe not visible; 48" RCP up gradient

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☐ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☐ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: _____	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☐ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None. No flow in up gradient features (pipe not visible; 48" RCP up gradient).

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 023

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: J-2		Outfall ID: 024
Today's date: 3 December 2014		Time (Military): 1300
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 50	Rainfall (in.): Last 24 hours: <0.01 Last 48 hours: <0.01	
Camera: Nikon AW120		Photo #s: DSCN6214-6215

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: Boat Building and Repairing, Steam and Air-Conditioning Supply, Scrap and Waste Materials

Notes (e.g., origin of outfall, if known):
Associated Industrial Sites: CEP-160, CEP-165, CEP 203 & Pier 5T Boat Basin, Z-309, Z-312

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 24"	In Water: ☐ No ☒ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☒ Yes ☐ No *If No, Skip to Section 5*				
Flow Description (If present)	☒ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 024

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: I-2		Outfall ID: 029
Today's date: 3 December 2014		Time (Military): 1321
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 50	Rainfall (in.): Last 24 hours: <0.01	Last 48 hours: <0.01
Camera: Nikon AW 120		Photo #s: DSCN6216

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____

Known Industries: General Warehousing and Storage, Steam and Air-Conditioning Supply, Scrap and Waste Materials

Notes (e.g., origin of outfall, if known):
Associated Industrial Sites: W-143, W-148, Y-108, Y-109, Z-309, Z-312

Section 2: Outfall Description unknown. outfall not visible under wharf

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☐ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☐ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: _____	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No	***If No, Skip to Section 5*** no flow in up gradient features			
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 029

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: H-2		Outfall ID: 030
Today's date: 3 December 2014		Time (Military): 1355
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 50	Rainfall (in.): Last 24 hours: <0.01	Last 48 hours: <0.01
Camera: Nikon AW120		Photo #s: None

Land Use in Drainage Area (Check all that apply):

☐ Industrial ☐ Open Space

☐ Ultra-Urban Residential ☐ Institutional

☐ Suburban Residential Other: _____

☐ Commercial Known Industries:_____

Notes (e.g., origin of outfall, if known):

Section 2: Outfall Description size/material based on up gradient features – not visible on wharf

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 12”_____	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully Unknown/not visible
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
No flow in up gradient features.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 030

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: H-2		Outfall ID: 031
Today's date: 3 December 2014		Time (Military): 1350
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 50	Rainfall (in.): Last 24 hours: <0.01	Last 48 hours: <0.01
Camera: Nikon AW120		Photo #s: DSCN6217-6218

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: General Warehousing and Storage

Notes (e.g., origin of outfall, if known):
Associated Industrial Sites: W-135, W-143

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 24"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 031

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: H-2		Outfall ID: 032
Today's date: 4 December 2014		Time (Military): 1248
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 50	Rainfall (in.): Last 24 hours: 0.00	Last 48 hours: <0.01
Camera: Nikon AW120		Photo #s: None

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☒ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: _____

Notes (e.g., origin of outfall, if known):
Drainage/ basin/ drop inlet in front of Pier 8

Section 2: Outfall Description Unknown; pipe not visible

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☐ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☐ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: _____	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☐ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
Unknown; pipe not visible. Under Pier 8 – no water/ flow in drop inlet at Pier 8.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 032

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☐ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☐ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☐ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: H-2		Outfall ID: 033
Today's date: 4 December 2014		Time (Military): 1250
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 50	Rainfall (in.): Last 24 hours: 0.00	Last 48 hours: <0.01
Camera: Nikon AW120		Photo #s: DSCN6219-6220

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: General Warehousing and Storage

Notes (e.g., origin of outfall, if known):
Associated Industrial Site: W-135

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 24"	In Water: ☐ No ☒ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☒ Yes ☐ No *If No, Skip to Section 5*				
Flow Description (If present)	☒ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None. Trickle may be tidal drainage. No flow up gradient.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 033

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: H-2		Outfall ID: 034
Today's date: 4 December 2014		Time (Military): 1255
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 50	Rainfall (in.): Last 24 hours: 0.00	Last 48 hours: <0.01
Camera: Nikon AW120		Photo #s: DSCN6221-6222

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____

Known Industries: General Warehousing and Storage, Petroleum Bulk Stations and Terminals

Notes (e.g., origin of outfall, if known):
Associated Industrial Sites: W-66, W-126, W-135, W-148

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 36"_____	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☒ Yes ☐ No *If No, Skip to Section 5*				
Flow Description (If present)	☒ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None. Flow may be tidal drainage. No flow up gradient.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 034

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: G-2		Outfall ID: 035
Today's date: 4 December 2014		Time (Military): 1305
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 50	Rainfall (in.): Last 24 hours: 0.00	Last 48 hours: <0.01
Camera: Nikon AW120		Photo #s: None

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☒ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: _____

Notes (e.g., origin of outfall, if known):
Drop inlet at front of pier.

Section 2: Outfall Description Outfall pipe not visible – at pier junction under front of pier

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☐ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☐ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: _____	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☐ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
Outfall pipe not visible – at pier junction under front of pier.
Slight trickle in up gradient drop inlet. Steam relief in inlet.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 035

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☐ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☐ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☐ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: G-2		Outfall ID: 036
Today's date: 4 December 2014		Time (Military): 1310
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 50	Rainfall (in.): Last 24 hours: 0.00	Last 48 hours: <0.01
Camera: Nikon AW120		Photo #s: None

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☒ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: _____

Notes (e.g., origin of outfall, if known):
Parking lot drainage near Pier 9

Section 2: Outfall Description Outfall pipe not visible – either at pier junction or below mean low water

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☐ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☐ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: _____	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
No flow or water observed in up gradient features.
Outfall pipe not visible – either at pier junction or below mean low water.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 036

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☐ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☐ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☐ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: G-2		Outfall ID: 037
Today's date: 4 December 2014		Time (Military): 1318
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 50	Rainfall (in.): Last 24 hours: 0.00	Last 48 hours: <0.01
Camera: Nikon AW120		Photo #s: DSCN6223

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☒ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: _____

Notes (e.g., origin of outfall, if known):
Draining immediately in front of Pier 10/ W-133.

Section 2: Outfall Description Unknown pipe – pipe not visible at pier junction

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☐ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☐ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: _____	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☐ No ***If No, Skip to Section 5***				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
Unknown pipe – pipe not visible at pier junction
Steam coming from drop inlet feeding outfall.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 037

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☐ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☐ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☐ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: G-2		Outfall ID: 038
Today's date: 4 December 2014		Time (Military): 1321
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 50	Rainfall (in.): Last 24 hours: 0.00	Last 48 hours: <0.01
Camera: Nikon AW120		Photo #s: DSCN6224

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☒ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: _____

Notes (e.g., origin of outfall, if known):
Area in front of Pier 10/ W-133.

Section 2: Outfall Description Pipe not visible

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☐ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☐ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: _____	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
Pipe not visible – no water/ flow in single drop inlet up gradient of outfall location.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 038

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☐ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☐ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☐ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: F-2		Outfall ID: 039
Today's date: 4 December 2014		Time (Military): 1325
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 50	Rainfall (in.): Last 24 hours: 0.00	Last 48 hours: <0.01
Camera: Nikon AW120		Photo #s: DSCN6225-6226

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____

Known Industries: Special Warehousing and Storage, Not Elsewhere Classified; Repair Shops and Related Services, Not Elsewhere Classified

Notes (e.g., origin of outfall, if known):
Associated Industrial Sites: W-7, W-130

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☒ Steel ☒ Other: Ductile Iron	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 18"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☒ Yes ☐ No *If No, Skip to Section 5*				
Flow Description (If present)	☒ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None – slight trickle, clear with some water noted up gradient but no flows observed. May be groundwater infiltration; sunken drop inlets up gradient.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 039

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: F-2		Outfall ID: 040
Today's date: 4 December 2014		Time (Military): 1348
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 50	Rainfall (in.): Last 24 hours: 0.00	Last 48 hours: <0.01
Camera: Nikon AW120		Photo #s: DSCN6227

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☒ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: _____

Notes (e.g., origin of outfall, if known):
SP Pier drainage.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☐ RCP ☐ CMP ☒ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 6"_____	In Water: ☐ No ☒ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully Unknown/ not visible
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None. Assumed to be 6" PVC pipe from wharf.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 040

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: F-2		Outfall ID: 041
Today's date: 4 December 2014		Time (Military): 1350
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 50	Rainfall (in.): Last 24 hours: 0.00	Last 48 hours: <0.01
Camera: Nikon AW120		Photo #s: None

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☒ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: _____

Notes (e.g., origin of outfall, if known):
Drop inlet on wharf

Section 2: Outfall Description Pipe not encountered; may be below water level

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☐ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☐ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: _____	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☐ No ***If No, Skip to Section 5***				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None. Pipe not encountered; may be below water level.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 041

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☐ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☐ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☐ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: F-2		Outfall ID: 042
Today's date: 4 December 2014		Time (Military): 1355
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 50	Rainfall (in.): Last 24 hours: 0.00	Last 48 hours: <0.01
Camera: Nikon AW120		Photo #s: DSCN6228-6229

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☒ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: _____

Notes (e.g., origin of outfall, if known):
Parking lot and building drainage from around W-5.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 24"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully Unknown/ not visible
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☒ Yes ☐ No *If No, Skip to Section 5*				
Flow Description (If present)	☒ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None. Flow may be from storm relief/ valves up gradient of outfall. Some water noted up gradient, but no flow noted.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 042

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: F-2		Outfall ID: 043
Today's date: 4 December 14		Time (Military): 1405
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 50	Rainfall (in.): Last 24 hours: 0.00	Last 48 hours: <0.01
Camera: Nikon AW120		Photo #s:DSCN6230

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____
- Known Industries:_____

Notes (e.g., origin of outfall, if known):
Parking lot drainage around W-313.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☒ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☒ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 18”_____	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully Unknown/ not visible
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☒ Yes ☐ No *If No, Skip to Section 5*				
Flow Description (If present)	☒ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None. May be from stream valves/ conduit/ relief up gradient.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 043

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: F-2		Outfall ID: 044
Today's date: 4 December 2014		Time (Military): 1410
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F):	Rainfall (in.): Last 24 hours: 0.00	Last 48 hours: <0.01
Camera: Nikon AW120		Photo #s: None

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☒ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: _____

Notes (e.g., origin of outfall, if known):
Wharf area drainage

Section 2: Outfall Description Pipe and outfall not visible

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☐ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☐ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: _____	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☐ No ***If No, Skip to Section 5***				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
Pipe and outfall not visible. Likely under wharf or under water. No water noted in trench drains or up gradient.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 044

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☐ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☐ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☐ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: E-2		Outfall ID: 045
Today's date: 4 December 2014		Time (Military): 1415
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 50	Rainfall (in.): Last 24 hours: 0.00	Last 48 hours: <0.01
Camera: Nikon AW120		Photo #s: None.

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☒ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: _____

Notes (e.g., origin of outfall, if known):
Wharf area and drainage around Q80.

Section 2: Outfall Description Pipe not visible beneath wharf

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☐ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☐ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: _____	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☐ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
Pipe not visible beneath wharf; no flow or water noted up gradient.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 045

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☐ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☐ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☐ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: E-2		Outfall ID: 046
Today's date: 4 December 2014		Time (Military): 1420
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 50	Rainfall (in.): Last 24 hours: 0.00	Last 48 hours: <0.01
Camera: Nikon AW120		Photo #s: DSCN6231-6232

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☒ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: _____

Notes (e.g., origin of outfall, if known):
Parking lot drainage from wharf and Q95 area.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 24"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 046

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: E-2		Outfall ID: 047
Today's date: 4 December 2014		Time (Military): 1427
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 50	Rainfall (in.): Last 24 hours: 0.00	Last 48 hours: <0.01
Camera: Nikon AW120		Photo #s: DSCN6233

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☒ Open Space
- ☐ Ultra-Urban Residential
- ☐ Institutional
- ☐ Suburban Residential
- Other: _____
- ☐ Commercial
- Known Industries: _____

Notes (e.g., origin of outfall, if known):
Parking lot and wharf area.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 24"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 047

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: D-2		Outfall ID: 048
Today's date: 4 December 2014		Time (Military): 1430
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F):	Rainfall (in.): Last 24 hours: 0.00	Last 48 hours: <0.01
Camera: Nikon AW120		Photo #s: DSCN6234

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☒ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: _____

Notes (e.g., origin of outfall, if known):
Wharf 8 parking lot area drainage.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 24"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 048

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: D-2		Outfall ID: 049
Today's date: 4 December 2014		Time (Military): 1436
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 50	Rainfall (in.): Last 24 hours: 0.00	Last 48 hours: <0.01
Camera: Nikon AW120		Photo #s: DSCN6235-6237

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☒ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: _____

Notes (e.g., origin of outfall, if known):
Road, parking lot, and wharf drainage.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 36"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None. May be rain/ stormwater infiltration/ erosion washout around drop inlet up gradient; sinkhole near drop inlet.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 049

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: D-2		Outfall ID: 050
Today's date: 4 December 2014		Time (Military): 1440
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 50	Rainfall (in.): Last 24 hours: 0.00	Last 48 hours: <0.01
Camera: Nikon AW120		Photo #s: DSCN6238-6239

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☒ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: _____

Notes (e.g., origin of outfall, if known):
Parking lot and wharf drainage.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 24"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 050

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: C-2		Outfall ID: 051
Today's date: 4 December 2014		Time (Military): 1446
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 50	Rainfall (in.): Last 24 hours: 0.00	Last 48 hours: <0.01
Camera: Nikon AW120		Photo #s: DSCN6241

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☒ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: _____

Notes (e.g., origin of outfall, if known):
Wharf and parking lot drainage.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 12"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 051

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: C-2		Outfall ID: 052
Today's date: 4 December 2014		Time (Military): 1452
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 50	Rainfall (in.): Last 24 hours: 0.00	Last 48 hours: <0.01
Camera: Nikon AW120		Photo #s: None

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☒ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: _____

Notes (e.g., origin of outfall, if known):
Parking lot and wharf drainage.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 36"	In Water: ☐ No ☒ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 052

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: C-2		Outfall ID: 053
Today's date: 4 December 2014		Time (Military): 1455
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 50	Rainfall (in.): Last 24 hours: 0.00	Last 48 hours: <0.01
Camera: Nikon AW120		Photo #s: none

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☒ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: _____

Notes (e.g., origin of outfall, if known):
Parking lot and wharf drainage.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 12"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 053

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: C-3		Outfall ID: 054
Today's date: 18 December 2014		Time (Military): 0830
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 42	Rainfall (in.): Last 24 hours: 0.00	Last 48 hours: 0.26
Camera: Nikon AW120		Photo #s: None.

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: _____

Notes (e.g., origin of outfall, if known):
Lot 8 area drainage. Not an industrial outfall as of 2014 SCE Report.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☐ RCP ☐ CMP ☒ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 8"_____	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 054

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: B-3		Outfall ID: 055
Today's date: 4 December 2014		Time (Military): 1527
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 50	Rainfall (in.): Last 24 hours: 0.00	Last 48 hours: <0.01
Camera: Nikon AW120		Photo #s: DSCN6243-6244

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: Boat Building and Repairing; Scrap and Waste Materials

Notes (e.g., origin of outfall, if known):
Associated Industrial Sites: Q-50 (including Q-50C), Q-72(including Q-72A).

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 18"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 055

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: B-3		Outfall ID: 056
Today's date: 4 December 2014		Time (Military): 1515
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 50	Rainfall (in.): Last 24 hours: 0.00	Last 48 hours: <0.01
Camera: Nikon AW120		Photo #s: DSCN6242

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☒ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: _____

Notes (e.g., origin of outfall, if known):
Roadway drainage.

Section 2: Outfall Description Pipe/ outfall not visible

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☐ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☐ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: _____	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☐ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
Pipe/ outfall not visible. May be buried in rip rap or submerged.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 056

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☐ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☐ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☐ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: C-3		Outfall ID: 057
Today's date: 4 December 2014		Time (Military): 1547
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 50	Rainfall (in.): Last 24 hours: 0.00	Last 48 hours: <0.01
Camera: Nikon AW120		Photo #s: DSCN6246-6247

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☒ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: _____

Notes (e.g., origin of outfall, if known):
Parking lot drainage. Roadway drainage.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 48"	In Water: ☐ No ☒ Partially ☐ Fully With Sediment: ☐ No ☒ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 057

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: E-5		Outfall ID: 058
Today's date: 4 December 2014		Time (Military): 1600
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 49	Rainfall (in.): Last 24 hours: 0.00	Last 48 hours: <0.01
Camera: Nikon AW120		Photo #s: DSCN6248

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☒ Open Space
- ☐ Institutional
- Other: _____

Known Industries: General Warehousing and Storage; Special Warehousing and Storage, Not Elsewhere Classified; Repair Shops and Related Services, Not Elsewhere Classified

Notes (e.g., origin of outfall, if known):
Associated Industrial Sites: A-80, A-81, A-127, I-AA, W-126, W-131, W-148, X-136, X-137, X-218, X-275, X-389

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☐ Circular ☐ Elliptical ☒ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 64" x 64"	In Water: ☐ No ☒ Partially ☐ Fully With Sediment: ☐ No ☒ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☒ Yes ☐ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☒ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
Flow not completely discernable; may have been tidally influenced. No indicators present.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 058

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: E-5		Outfall ID: 059
Today's date: 4 December 2014		Time (Military): 1605
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 49	Rainfall (in.): Last 24 hours: 0.00	Last 48 hours: <0.01
Camera: Nikon AW120		Photo #s: DSCN6249

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☒ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: Repair Shops and Related Services, Not Elsewhere Classified

Notes (e.g., origin of outfall, if known):
Associated Industrial Site: A-127

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 24"_____	In Water: ☐ No ☒ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☐ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
Flow not discernable; pipe mostly submerged; no flow observed in up gradient features.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 059

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: E-6		Outfall ID: 060
Today's date: 4 December 2014		Time (Military): 1615
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 49	Rainfall (in.): Last 24 hours: 0.00	Last 48 hours: <0.01
Camera: Nikon AW120		Photo #s: DSCN6250-6251

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☒ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: _____

Notes (e.g., origin of outfall, if known):

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 36"_____	In Water: ☐ No ☒ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☐ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
Flow not discernable; no flow observed in up gradient features.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 060

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: E-6		Outfall ID: 061
Today's date: 4 December 2014		Time (Military): 1630
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 48	Rainfall (in.): Last 24 hours: 0.00	Last 48 hours: <0.01
Camera: Nikon AW120		Photo #s: DSCN6252

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: Marinas

Notes (e.g., origin of outfall, if known):
Marina drainage
Associated Sites: LAG-27 & LAG-77

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☐ Circular ☐ Elliptical ☐ Box ☒ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 24"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
No flow in directly up gradient manholes/ features.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 061

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: E-6		Outfall ID: 062
Today's date: 4 December 2014		Time (Military): 1636
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F):	Rainfall (in.): Last 24 hours: 0.00	Last 48 hours: <0.01
Camera: Nikon AW120		Photo #s: DSCN6253-6254

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: _____

Notes (e.g., origin of outfall, if known):
Drainage around building.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☒ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 6"_____	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 062

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: F-6	Outfall ID: 063
Today's date: 5 December 2014	Time (Military): 1110
Investigators: J. Oliver	Form completed by: J. Oliver
Temperature (°F): 51	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00
Camera: Nikon AW120	Photo #s: DSCN6275-6276

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☒ Open Space
- ☐ Ultra-Urban Residential
- ☐ Institutional
- ☐ Suburban Residential
- Other: _____
- ☐ Commercial
- Known Industries: _____

Notes (e.g., origin of outfall, if known):
Road drainage near pier/marina; could not locate up gradient drop inlet.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☐ RCP ☐ CMP ☒ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 12"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 063

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: F-6	Outfall ID: 064
Today's date: 5 December 2014	Time (Military): 1114
Investigators: J. Oliver	Form completed by: J. Oliver
Temperature (°F): 49	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00
Camera: Nikon AW120	Photo #s: DSCN6277-6278

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☒ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: _____

Notes (e.g., origin of outfall, if known):
Roadway/ marina drainage.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 12"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 064

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: F-6	Outfall ID: 065
Today's date: 5 December 2014	Time (Military): 1118
Investigators: J. Oliver	Form completed by: J. Oliver
Temperature (°F):	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00
Camera: Nikon AW120	Photo #s: DSCN6279-6280

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☒ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: _____

Notes (e.g., origin of outfall, if known):
Roadway and marina drainage.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☐ RCP ☐ CMP ☒ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 10"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 065

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: F-6		Outfall ID: 066
Today's date: 5 December 2014		Time (Military): 1122
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 49	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00	
Camera: Nikon AW120		Photo #s: DSCN6281-6282

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: _____

Notes (e.g., origin of outfall, if known):
Roadway drainage.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 24"	In Water: ☐ No ☒ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None. No water or flow in up gradient drop inlets.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 066

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: F-6	Outfall ID: 067
Today's date: 5 December 2014	Time (Military): 1150
Investigators: J. Oliver	Form completed by: J. Oliver
Temperature (°F): 49	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00
Camera: Nikon AW120	Photo #s: DSCN6283-6285

Land Use in Drainage Area (Check all that apply):

☒ Industrial ☐ Open Space

☐ Ultra-Urban Residential ☐ Institutional

☐ Suburban Residential Other: _____

☐ Commercial Known Industries:_____

Notes (e.g., origin of outfall, if known):
Associated Industrial Sites: Drainage from N26, N23, P72, and flag housing

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 36"_____	In Water: ☐ No ☒ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☒ Yes ☐ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☒ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None. Note:

- Up gradient lines had notable sewage/H_2SO_4 odor and light cloudiness/ turbidity. Some light sudsing/ bubbles in up gradient lines. Flow was noticed to be higher in previous visit on 3 December 14, but has slightly abated.
- Some tidal influence in flow to large vault up gradient. Moderate flow into vault.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 067

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☒ Yes ☐ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☒	☒ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☒ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☒	See severity	☒ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☐ Unlikely ☒ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: F-6	Outfall ID: 068
Today's date: 5 December 2014	Time (Military): 1142
Investigators: J. Oliver	Form completed by: J. Oliver
Temperature (°F): 49	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00
Camera: Nikon AW120	Photo #s: DSCN6286-6287

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: _____

Notes (e.g., origin of outfall, if known):

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☒ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 36"_____	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☒ Yes ☐ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☒ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None. Appears to be construction up gradient of Outfalls 068-069 on storm infrastructure. Likely groundwater/ sump discharge from excavation.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 068

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☒ Yes ☐ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☒	See severity	☒ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: F-7		Outfall ID: 070
Today's date: 5 December 2014		Time (Military): 1200
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 49	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00	
Camera: Nikon AW120		Photo #s: DSCN6290-6292

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☒ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: _____

Notes (e.g., origin of outfall, if known):
Parking lot drainage.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 12"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 070

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: F-7	Outfall ID: 071
Today's date: 5 December 2014	Time (Military): 1207
Investigators: J. Oliver	Form completed by: J. Oliver
Temperature (°F): 49	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00
Camera: Nikon AW120	Photo #s: DSCN6293

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☒ Open Space
- ☐ Ultra-Urban Residential
- ☐ Institutional
- ☐ Suburban Residential
- Other: _____
- ☐ Commercial
- Known Industries: _____

Notes (e.g., origin of outfall, if known):
Parking area drainage.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☒ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 6"_____	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 071

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: F-7	Outfall ID: 072 – was not located
Today's date: 5 December 2014	Time (Military): 1216
Investigators: J. Oliver	Form completed by: J. Oliver
Temperature (°F): 49	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00
Camera: Nikon AW120	Photo #s: None

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☒ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: _____

Notes (e.g., origin of outfall, if known):

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe** Determined based on historical information	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 6"_____	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☐ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
Not found – No 6" pipe found near storm sewer pier where indicated on map.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 072

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☐ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☐ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☐ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: F-7		Outfall ID: 074
Today's date: 5 December 2014		Time (Military): 1225
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 49	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00	
Camera:		Photo #s: DSCN6294-6295

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: Marinas

Notes (e.g., origin of outfall, if known):
Parking lot drainage from boat parking yard.
Associated Industrial Sites: LAG-30

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 24"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 074

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: E-7		Outfall ID: 075
Today's date: 18 December 2014		Time (Military): 0800
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 42	Rainfall (in.): Last 24 hours: 0.00	Last 48 hours: 0.26
Camera: Nikon AW120		Photo #s: DSCN6370

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☒ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: Airports, Flying Fields, and Airport Terminal Services

Notes (e.g., origin of outfall, if known):
Associated Industrial Sites: LF-59, LF-60

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 48"_____	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 075

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: E-8		Outfall ID: 076
Today's date: 18 December 2014		Time (Military): 0905
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 42	Rainfall (in.): Last 24 hours: 0.00	Last 48 hours: 0.26
Camera: Nikon AW120		Photo #s: DSCN6371

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☒ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: _____

Notes (e.g., origin of outfall, if known):
Airfield/ Tarmac drainage.
Not an industrial outfall as of 2014 SCE Report.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 48"	In Water: ☐ No ☒ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 076

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: E-8		Outfall ID: 078
Today's date: 18 December 2014		Time (Military): 0910
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F):	Rainfall (in.): Last 24 hours: 0.00	Last 48 hours: 0.26
Camera: Nikon AW120		Photo #s: DSCN6372

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☒ Open Space
- ☐ Institutional
- Other: _____

Known Industries: Special Warehousing and Storage, Not Elsewhere Classified; Airports, Flying Fields, and Airport Terminal Services

Notes (e.g., origin of outfall, if known):
Associated Industrial Sites: LF-18, LF-59, LF-66

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 36"_____	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 078

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: F-8		Outfall ID: 079
Today's date: 12 December 2014		Time (Military): 0945
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 39	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00	
Camera: Nikon AW120		Photo #s: DSCN6296-6297

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☒ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: _____

Notes (e.g., origin of outfall, if known):

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: Approximately 36"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 079

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: G-9		Outfall ID: 080 – was not located
Today's date:		Time (Military):
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F):	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00	
Camera:		Photo #s: None

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: _____

Notes (e.g., origin of outfall, if known):
Unable to locate outfall.

Section 2: Outfall Description Unable to locate outfall

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☐ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☐ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: _____	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☐ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
Unable to locate outfall.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 080

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☐ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☐ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☐ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: G-9		Outfall ID: 081
Today's date: 12 December 2014		Time (Military): 1010
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 40	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00	
Camera: Nikon AW120		Photo #s: DSCN6302

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☒ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: _____

Notes (e.g., origin of outfall, if known):

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☒ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: Approximately 24"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 081

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: G-9	Outfall ID: 083
Today's date: 12 December 2014	Time (Military): 1000
Investigators: J. Oliver	Form completed by: J. Oliver
Temperature (°F): 40	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00
Camera: Nikon AW120	Photo #s: DSCN6300-6301

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____

Known Industries: Boat Building and Repairing; General Warehousing and Storage; Repair Shops and Related Services, Not Elsewhere Classified

Notes (e.g., origin of outfall, if known):
Associated Industrial Site: V-88

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☒ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 30" inside 36"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 083

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: G-9		Outfall ID: 087
Today's date: 12 December 2014		Time (Military): 1010
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 40	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00	
Camera: Nikon AW120		Photo #s: DSCN6303-6304

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: _____

Notes (e.g., origin of outfall, if known):
Drainage from V-88 (West).

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☐ RCP ☐ CMP ☒ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 18"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 087

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: G-9	Outfall ID: 089
Today's date: 12 December 2014	Time (Military): 1012
Investigators: J. Oliver	Form completed by: J. Oliver
Temperature (°F): 40	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00
Camera: Nikon AW120	Photo #s: DSCN6305-6306

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____

Known Industries: Boat Building and Repairing; General Warehousing and Storage; Repair Shops and Related Services, Not Elsewhere Classified

Notes (e.g., origin of outfall, if known):
Drainage north of V-88.
Associated Industrial Site: V-88

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☒ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 18"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 089

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: G-9		Outfall ID: 091
Today's date: 12 December 2014		Time (Military): 1216
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 40	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00	
Camera: Nikon AW120		Photo #s: DSCN6307-6308

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____

Known Industries: Boat Building and Repairing; General Warehousing and Storage; Repair Shops and Related Services, Not Elsewhere Classified

Notes (e.g., origin of outfall, if known):
Associated Industrial Site: V-88

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☒ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 18"_____	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 091

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: G-9	Outfall ID: 094
Today's date: 12 December 2014	Time (Military): 1020
Investigators: J. Oliver	Form completed by: J. Oliver
Temperature (°F): 40	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00
Camera: Nikon AW120	Photo #s: DSCN6309-6310

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____

Known Industries: Boat Building and Repairing; General Warehousing and Storage; Water Transportation Services, Not Elsewhere Classified; Repair Shops and Related Services, Not Elsewhere Classified

Notes (e.g., origin of outfall, if known):
Associated Industrial Sites: V-58, V-88

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☒ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 30"	In Water: ☐ No ☒ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 094

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: H-10		Outfall ID: 101
Today's date: 18 December 2014		Time (Military): 1005
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 49	Rainfall (in.): Last 24 hours: 0.00	Last 48 hours: 0.26
Camera: Nikon AW120		Photo #s: DSCN6380, 6382

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☒ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: _____

Notes (e.g., origin of outfall, if known):

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☒ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 10"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 101

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: H-10		Outfall ID: 102
Today's date: 18 December 2014		Time (Military): 1007
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 44	Rainfall (in.): Last 24 hours: 0.00	Last 48 hours: 0.26
Camera: Nikon AW120		Photo #s: DSCN6381, 6382

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☒ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: _____

Notes (e.g., origin of outfall, if known):

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☒ HDPE ☐ Steel ☒ Other: Corrugated	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 10"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 102

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: H-10		Outfall ID: 103
Today's date: 18 December 2014		Time (Military): 1009
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 44	Rainfall (in.): Last 24 hours: 0.00	Last 48 hours: 0.26
Camera: Nikon AW120		Photo #s: None.

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: General Warehousing and Storage

Notes (e.g., origin of outfall, if known):
Associated Industrial Site: V-29

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 24"	In Water: ☐ No ☒ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 103

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: H-10	Outfall ID: 104
Today's date: 12 December 2014 & 18 December 2014	Time (Military): 1137, 1008
Investigators: J. Oliver	Form completed by: J. Oliver
Temperature (°F): 44	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00
Camera: Nikon AW120	Photo #s: DSCN6311-6312, 6386-6387

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: General Warehousing and Storage

Notes (e.g., origin of outfall, if known):
Associated Industrial Site: V-29

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☒ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 18"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 104

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: H-10		Outfall ID: 105
Today's date: 18 December 2014		Time (Military): 0946
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 42	Rainfall (in.): Last 24 hours: 0.00	Last 48 hours: 0.26
Camera: Nikon AW 120		Photo #s: DSCN6377

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: General Warehousing and Storage

Notes (e.g., origin of outfall, if known):
Associated Industrial Site: V-29

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☒ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 10"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 105

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: I-10		Outfall ID: 110
Today's date: 18 December 2014		Time (Military): 0952
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 42	Rainfall (in.): Last 24 hours: 0.00	Last 48 hours: 0.26
Camera: Nikon AW120		Photo #s: DSCN6378-6379

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: Boat Building and Repairing

Notes (e.g., origin of outfall, if known):
Associated Industrial Site: V-47

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☒ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 18"_____	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 110

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: I-10	Outfall ID: 112
Today's date: 12 December 2014	Time (Military): 1145
Investigators: J. Oliver	Form completed by: J. Oliver
Temperature (°F): 44	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00
Camera: Nikon AW120	Photo #s: DSCN6313

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____

Known Industries: Boat Building and Repairing; General Warehousing and Storage; Airports, Flying Fields, and Airport Terminal Services

Notes (e.g., origin of outfall, if known):
Associated Industrial Sites: V-29, V-70, V-71,

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☐ RCP ☒ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 24"	In Water: ☐ No ☒ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 112

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: I-10	Outfall ID: 113
Today's date: 12 December 2014	Time (Military): 1145
Investigators: J. Oliver	Form completed by: J. Oliver
Temperature (°F): 44	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00
Camera: Nikon AW120	Photo #s: DSCN6314, 6316-6317

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: _____

Notes (e.g., origin of outfall, if known):
Not an industrial outfall as of 2014 SCE Report.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 12"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 113

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: I-10	Outfall ID: 114
Today's date: 12 December 2014	Time (Military): 1150
Investigators: J. Oliver	Form completed by: J. Oliver
Temperature (°F): 45	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00
Camera: Nikon AW120	Photo #s: DSCN6315-6317

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____

Known Industries: Aircraft Engines and Engine Parts ; Boat Building and Repairing; Airports, Flying Fields, and Airport Terminal Services; Steam and Air-Conditioning Supply

Notes (e.g., origin of outfall, if known):
Associated Industrial Sites: P-1 (P Compound), V-70, V-71, V-127

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 24"	In Water: ☐ No ☒ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 114

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: J-11	Outfall ID: 118
Today's date: 12 December 2014	Time (Military): 1218
Investigators: J. Oliver	Form completed by: J. Oliver
Temperature (°F): 45	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00
Camera: Nikon AW120	Photo #s: DSCN6323

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: _____

Notes (e.g., origin of outfall, if known):
General airfield drainage.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 60"_____	In Water: ☐ No ☒ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None. There is a backflow restrictor; no flow in up gradient drop inlet.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 118

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: J-11	Outfall ID: 119
Today's date: 12 December 2014	Time (Military): 1222
Investigators: J. Oliver	Form completed by: J. Oliver
Temperature (°F): 45	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00
Camera: Nikon AW120	Photo #s: DSCN6324

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☒ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: _____

Notes (e.g., origin of outfall, if known):
Airfield area drainage.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 12"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 119

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: J-11	Outfall ID: 120
Today's date: 12 December 2014	Time (Military): 1227
Investigators: J. Oliver	Form completed by: J. Oliver
Temperature (°F): 46	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00
Camera: Nikon AW120	Photo #s: DSCN6324

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☒ Open Space
- ☐ Institutional
- Other: _____

Known Industries: Airports, Flying Fields, and Airport Terminal Services

Notes (e.g., origin of outfall, if known):
Airfield area discharge.

Section 2: Outfall Description Pipe not visible

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☐ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☐ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: _____	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully Unknown/not visible
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☐ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
Pipe not visible; may be buried under beach trash.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 120

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☐ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☐ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☐ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: J-12		Outfall ID: 121
Today's date: 12 December 2014		Time (Military): 1235
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 45	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00	
Camera: Nikon AW120		Photo #s: None

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: Non-industrial area
- Known Industries: _____

Notes (e.g., origin of outfall, if known):
Outfall not found; may be buried in rip-rap.

Section 2: Outfall Description Outfall not found

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☐ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☐ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: _____	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☐ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
Outfall not found; may be buried in rip-rap..

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 121

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☐ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☐ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☐ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: J-12	Outfall ID: 122
Today's date: 12 December 2014	Time (Military): 1240
Investigators: J. Oliver	Form completed by: J. Oliver
Temperature (°F): 45	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00
Camera: Nikon AW120	Photo #s: DSCN6326- up gradient

Land Use in Drainage Area (Check all that apply):

☒ Industrial
☐ Ultra-Urban Residential
☐ Suburban Residential
☐ Commercial
☒ Open Space
☐ Institutional
Other: _____
Known Industries: Airfield Operations

Notes (e.g., origin of outfall, if known):
Outfall not located; 24" rip up gradient location; outfall may be buried in rip-rap assume same as inlet.

Section 2: Outfall Description Outfall not located

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 24"_____	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully Unknown/ not visible
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
Outfall not located; 24" rip-rap up gradient location; outfall may be buried in rip-rap.
No flow up gradient.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 122

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☐ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☐ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☐ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: J-12	Outfall ID: 123
Today's date: 12 December 2014	Time (Military): 1250
Investigators: J. Oliver	Form completed by: J. Oliver
Temperature (°F): 46	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00
Camera: Nikon AW120	Photo #s: DSCN6327 (up gradient)

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☒ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: Airfield Operations

Notes (e.g., origin of outfall, if known):

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 36"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☒ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None. Outfall mostly covered with rip-rap; completely filled with only top of pipe exposed.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 123

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: J-12		Outfall ID: 124
Today's date: 12 December 2014		Time (Military): 1253
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 46	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00	
Camera: Nikon AW120		Photo #s: DSCN6328

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☒ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: Airfield Operations

Notes (e.g., origin of outfall, if known):

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☒ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 12"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 124

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: I-12		Outfall ID: 125
Today's date: 12 December 2014		Time (Military): 1257
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 46	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00	
Camera: Nikon AW120		Photo #s: DSCN6329

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☒ Open Space
- ☐ Ultra-Urban Residential
- ☐ Institutional
- ☐ Suburban Residential
- Other: _____
- ☐ Commercial
- Known Industries: _____

Notes (e.g., origin of outfall, if known):

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☐ RCP ☐ CMP ☒ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 6"_____	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 125

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: I-12		Outfall ID: 126
Today's date: 12 December 2014		Time (Military): 1300
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 46	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00	
Camera: Nikon AW120		Photo #s: DSCN6330

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☒ Open Space
- ☐ Ultra-Urban Residential
- ☐ Institutional
- ☐ Suburban Residential
- Other: _____
- ☐ Commercial
- Known Industries: _____

Notes (e.g., origin of outfall, if known):

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☒ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 3"_____	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 126

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: I-12		Outfall ID: 127
Today's date: 12 December 2014		Time (Military): 1305
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 47	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00	
Camera: Nikon AW120		Photo #s: DSCN6331

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☒ Open Space
- ☐ Ultra-Urban Residential
- ☐ Institutional
- ☐ Suburban Residential
- Other: _____
- ☐ Commercial
- Known Industries: _____

Notes (e.g., origin of outfall, if known):

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☒ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 3"_____	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 127

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: I-12	Outfall ID: 128
Today's date: 12 December 2014	Time (Military): 1306
Investigators: J. Oliver	Form completed by: J. Oliver
Temperature (°F): 46	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00
Camera: Nikon AW120	Photo #s: DSCN6331

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: Non-industrial area
- Known Industries:

Notes (e.g., origin of outfall, if known):

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☒ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 3"_____	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 128

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: I-12	Outfall ID: 129
Today's date: 12 December 2014	Time (Military): 1308
Investigators: J. Oliver	Form completed by: J. Oliver
Temperature (°F): 46	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00
Camera: Nikon AW120	Photo #s: None

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☒ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: _____

Notes (e.g., origin of outfall, if known):
Parking lot drainage.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☒ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☒ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 3" & 12"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None. Pipe not visible from wharf above no flow in up gradient features.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 129

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: I-12		Outfall ID: 130
Today's date: 12 December 2014		Time (Military): 1310
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 46	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00	
Camera: Nikon AW120		Photo #s: None

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☒ Institutional
- Other: _____
- Known Industries: _____

Notes (e.g., origin of outfall, if known):

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☒ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 3"_____	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 130

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: I-11	Outfall ID: 131
Today's date: 12 December 2014	Time (Military): 1312
Investigators: J. Oliver	Form completed by: J. Oliver
Temperature (°F): 46	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00
Camera: Nikon AW120	Photo #s: DSCN6332

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☒ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: Airfield Operations

Notes (e.g., origin of outfall, if known):
Parking lot drainage.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☒ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 12"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 131

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: G-14		Outfall ID: 134
Today's date: 18 December 2014		Time (Military): 0930
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 42	Rainfall (in.): Last 24 hours: 0.00	Last 48 hours: 0.26
Camera: Nikon AW120		Photo #s: None

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☒ Suburban Residential
- ☐ Commercial
- ☒ Open Space
- ☒ Institutional
- Other: _____
- Known Industries: Airports, Flying Fields, and Airport Terminal Services

Notes (e.g., origin of outfall, if known):

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☐ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☐ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: _____	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
☒ **Open drainage**	☒ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☒ Other: Square		Depth: Top Width: 12' Bottom Width: 12'	
Flow Present?	☒ Yes ☐ No	***If No, Skip to Section 5***			
Flow Description (If present)	☒ Trickle ☐ Moderate ☐ Substantial			possible tidal influence	

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None. Tidally influenced system; wide-open drainage channel; tidally influenced. Partially submerged.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 134

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: G-14	Outfall ID: 135
Today's date: 15 December 2014	Time (Military): 0928
Investigators: J. Oliver	Form completed by: J. Oliver
Temperature (°F): 48	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00
Camera: Nikon AW120	Photo #s: DSCN6340

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____

Known Industries: Aircraft Engines and Engine Parts; General Warehousing and Storage; Special Warehousing and Storage, Not Elsewhere Classified; Airports, Flying Fields, and Airport Terminal Services

Notes (e.g., origin of outfall, if known):
Associated Industrial Sites: SP-35, SP-86 (A, B, D, E), SP-113, SP-236, SP-237, SP-300, SP-301

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 48"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 135

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: G-14	Outfall ID: 136
Today's date: 15 December 2014	Time (Military): 0934
Investigators: J. Oliver	Form completed by: J. Oliver
Temperature (°F): 50	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00
Camera: Nikon AW120	Photo #s: DSCN6341

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☒ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: _____

Notes (e.g., origin of outfall, if known):
Road and parking area drainage.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 18"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 136

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: G-14		Outfall ID: 137
Today's date: 15 December 2014		Time (Military): 0935
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 50	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00	
Camera: Nikon AW120		Photo #s: DSCN6342

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☒ Open Space
- ☐ Ultra-Urban Residential
- ☐ Institutional
- ☐ Suburban Residential
- Other: _____
- ☐ Commercial
- Known Industries: _____

Notes (e.g., origin of outfall, if known):

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 18"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 137

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: G-14	Outfall ID: 138
Today's date: 15 December 2014	Time (Military): 0950
Investigators: J. Oliver	Form completed by: J. Oliver
Temperature (°F): 50	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00
Camera: Nikon AW120	Photo #s: DSCN6343

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☒ Open Space
- ☐ Ultra-Urban Residential
- ☐ Institutional
- ☐ Suburban Residential
- Other: _____
- ☐ Commercial
- Known Industries: _____

Notes (e.g., origin of outfall, if known):
Parking area drainage.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 24"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 138

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: G-15	Outfall ID: 139
Today's date: 15 December 2014	Time (Military): 0955
Investigators: J. Oliver	Form completed by: J. Oliver
Temperature (°F): 50	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00
Camera: Nikon AW120	Photo #s: DSCN6344

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☒ Open Space
- ☐ Institutional
- Other: RV, Boat & Vehicle Storage
- Known Industries:

Notes (e.g., origin of outfall, if known):
Not an industrial outfall as of 2014 SCE Report.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 36"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 139

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: G-15		Outfall ID: 140
Today's date: 15 December 2014		Time (Military): 1000
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 50	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00	
Camera: Nikon AW120		Photo #s: DSCN6345

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: Non-industrial area
- Known Industries: _____

Notes (e.g., origin of outfall, if known):
Outfall currently under construction; excavated back.
May or may not be Outfall 140, may possibly be new outfall.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 18"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 140

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: G-15	Outfall ID: 141
Today's date: 15 December 2014	Time (Military): 1010
Investigators: J. Oliver	Form completed by: J. Oliver
Temperature (°F): 52	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00
Camera: Nikon AW120	Photo #s: DSCN6346

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☒ Open Space
- ☐ Ultra-Urban Residential
- ☐ Institutional
- ☐ Suburban Residential
- Other: _____
- ☐ Commercial
- Known Industries: _____

Notes (e.g., origin of outfall, if known):
Outfall under construction; three pipes in one location.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☐ RCP ☒ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 36"_____	In Water: ☐ No ☐ Partially ☒ Fully With Sediment: ☐ No ☒ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☒ Yes ☐ No *If No, Skip to Section 5*				
Flow Description (If present)	☒ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None. Flow not observed up gradient of outfall(s) – may be groundwater infiltration due to poor condition of LMP; outfall/ pipe under construction to repair same pipe and outfall; will combine into one 48" RCP outfall.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 141

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☐ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☐ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☐ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: G-15		Outfall ID: 142
Today's date: 15 December 2014		Time (Military): 1810
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 52	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00	
Camera: Nikon AW120		Photo #s: DSCN6346

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☒ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: _____

Notes (e.g., origin of outfall, if known):

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☐ RCP ☒ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 36"_____	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☒ Yes ☐ No *If No, Skip to Section 5*				
Flow Description (If present)	☒ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None. Flow not observed up gradient of outfalls; may be infiltration due to condition of CMP. Outfall/ pipe under construction to repair some pipe and outfall; will combine into single 48" RCP outfall.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 142

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: F-15	Outfall ID: 143
Today's date: 16 December 2014	Time (Military): 1200
Investigators: J. Oliver	Form completed by: J. Oliver
Temperature (°F): 60	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00
Camera: Nikon AW120	Photo #s: DSCN6351

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☒ Open Space
- ☐ Ultra-Urban Residential
- ☐ Institutional
- ☒ Suburban Residential
- Other: _____
- ☐ Commercial
- Known Industries: _____

Notes (e.g., origin of outfall, if known):
Wiloughby Bay housing.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 36"_____	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☒ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 143

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: E-15		Outfall ID: 145
Today's date: 16 December 2014		Time (Military): 1205
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 60	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00	
Camera: Nikon AW120		Photo #s: DSCN6352

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☒ Open Space
- ☐ Ultra-Urban Residential
- ☐ Institutional
- ☒ Suburban Residential
- Other: _____
- ☐ Commercial
- Known Industries: _____

Notes (e.g., origin of outfall, if known):

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☒ Triple ☐ Other: _____	Diameter/Dimensions: 24" (x3)	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☐ No ☒ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☒ Yes ☐ No *If No, Skip to Section 5*				
Flow Description (If present)	☒ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None. Storm system was blocked up gradient. Vac-truck removing blockage in system. Flow was backed up storm water.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 145

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: D-16		Outfall ID: 146
Today's date: 16 December 2014		Time (Military): 1217
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 60	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00	
Camera: Nikon AW120		Photo #s:DSCN6354

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☒ Open Space
- ☐ Institutional
- Other: _____
- Known Industries:_____

Notes (e.g., origin of outfall, if known):
Pipe not visible. In vegetation in secure area.

Section 2: Outfall Description Pipe not accessible

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☐ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☐ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: _____	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None. Pipe not accessible.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 146

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: D-16	Outfall ID: 147
Today's date: 16 December 2014	Time (Military): 1215
Investigators: J. Oliver	Form completed by: J. Oliver
Temperature (°F): 60	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00
Camera: Nikon AW120	Photo #s: DSCN6353

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☒ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: _____

Notes (e.g., origin of outfall, if known):
Pipe not visible in vegetation. Head wall visible. Secured area.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 12"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☐ No ☒ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 147

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: G-14		Outfall ID: 149
Today's date: 18 December 2014		Time (Military): 0935
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 42	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.26	
Camera: Nikon AW120		Photo #s: DSCN6375-6376

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____

Known Industries: Aircraft Engines and Engine Parts; General Warehousing and Storage

Notes (e.g., origin of outfall, if known):
Associated Industrial Sites: SP-300 and SP-301, SP-303 and SP-304, SP-86 (A, B, D, E)

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☒ Triple ☐ Other: _____	Diameter/Dimensions: 2 x 48" & 1 x 36"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 149

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: I-16		Outfall ID: 151
Today's date: 15 December 2014		Time (Military): 1125
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 54	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00	
Camera: Nikon AW120		Photo #s: DSCN6347

Land Use in Drainage Area (Check all that apply):

☒ Industrial ☒ Open Space

☐ Ultra-Urban Residential ☒ Institutional

☐ Suburban Residential Other: _____

☐ Commercial Known Industries:_____

Notes (e.g., origin of outfall, if known):

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: Unknown	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None. Could not get manhole cover off – was covered in vegetation. No water or flow in surrounding inlets/ basins.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 151

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: C-4		Outfall ID: 158
Today's date: 4 December 2014		Time (Military): 1540
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 50	Rainfall (in.): Last 24 hours: 0.00	Last 48 hours: <0.01
Camera: Nikon AW120		Photo #s: DSCN6245

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☒ Open Space
- ☐ Ultra-Urban Residential
- ☐ Institutional
- ☐ Suburban Residential
- Other: _____
- ☐ Commercial
- Known Industries: _____

Notes (e.g., origin of outfall, if known):
Parking lot/ drainage area.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 24"	In Water: ☐ No ☒ Partially ☐ Fully With Sediment: ☐ No ☒ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 158

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: S-4		Outfall ID: 205
Today's date: 15 December 2014		Time (Military): 1340
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 53	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00	
Camera: Nikon AW120		Photo #s: None

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: _____

Notes (e.g., origin of outfall, if known):
Outfall not accessible.
Not an industrial outfall as of 2014 SCE Report.

Section 2: Outfall Description Outfall not accessible

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☐ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☐ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: _____	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☐ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None. Outfall not accessible. No flow or water in up gradient storm features.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 205

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☐ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☐ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☐ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: S-4		Outfall ID: 206
Today's date: 15 December 2014		Time (Military): 1345
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 53	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00	
Camera: Nikon AW120		Photo #s: None

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: _____

Notes (e.g., origin of outfall, if known):
Not an industrial outfall as of 2014 SCE Report.

Section 2: Outfall Description Outfall not accessible

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☐ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☐ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: _____	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☐ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None. Outfall not accessible. No flow/ water noted in up gradient storm features.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 206

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: U-4	Outfall ID: 207
Today's date: 15 December 2014	Time (Military): 1350
Investigators: J. Oliver	Form completed by: J. Oliver
Temperature (°F): 53	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00
Camera: Nikon AW120	Photo #s: DSCN6348

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: General Warehousing and Storage; Scrap and Waste Materials

Notes (e.g., origin of outfall, if known):
Associated Industrial Sites: SDA-205, SDA-210, SDA-211, SDA-214, SDA-216

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 24"_____	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully Drop inlet
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
Drop inlet. Internal outfall – 24" inlet.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 207

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: U-4	Outfall ID: 208
Today's date: 15 December 2014	Time (Military): 1400
Investigators: J. Oliver	Form completed by: J. Oliver
Temperature (°F): 53	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00
Camera: Nikon AW120	Photo #s: DSCN6349

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: General Warehousing and Storage; Scrap and Waste Materials

Notes (e.g., origin of outfall, if known):
Associated Industrial Site: SDA-204, SDA-205, SDA-210, SDA-211, SDA-218

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 24"_____	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully Drop inlet
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
Internal outfall. 24" drop inlet.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 208

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: M-14		Outfall ID: 305
Today's date: 17 December 2014		Time (Military): 0940
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 50	Rainfall (in.): Last 24 hours: 0.26	Last 48 hours: 0.26
Camera: Nikon AW120		Photo #s: None

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: Airfield Operations

Notes (e.g., origin of outfall, if known):
Runway drainage – outfall not accessible; secure area; fenced off west of runway.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☐ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☐ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: _____	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☐ No ***If No, Skip to Section 5***				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
N/A – outfall not accessible; secure area; fenced off west of runway.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 305

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☐ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☐ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☐ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: O-12		Outfall ID: 332
Today's date: 17 December 2014		Time (Military): 1015
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 50	Rainfall (in.): Last 24 hours: 0.26	Last 48 hours: 0.26
Camera: Nikon AW120		Photo #s: DSCN6367

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____

Known Industries: General Warehousing and Storage; Airports, Flying Fields, and Airport Terminal Services

Notes (e.g., origin of outfall, if known):
Associated Industrial Site: LP-117, L-167, LP-205 & 205-A

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 24"	In Water: ☐ No ☒ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 332

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: P-11		Outfall ID: 334
Today's date: 17 December 2014		Time (Military): 0950
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 50	Rainfall (in.): Last 24 hours: 0.26	Last 48 hours: 0.26
Camera: Nikon AW120		Photo #s:DSCN6363

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: Airports, Flying Fields, and Airport Terminal Services

Notes (e.g., origin of outfall, if known):
Runway area drainage.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 36"_____	In Water: ☐ No ☒ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☒ Yes ☐ No *If No, Skip to Section 5*				
Flow Description (If present)	☒ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 334

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: P-11		Outfall ID: 335
Today's date: 17 December 2014		Time (Military): 0952
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 50	Rainfall (in.): Last 24 hours: 0.26	Last 48 hours: 0.26
Camera: Nikon AW120		Photo #s: DSCN6364

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: Airports, Flying Fields, and Airport Terminal Services

Notes (e.g., origin of outfall, if known):
Airfield runway and parking lot drainage.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☐ Circular ☒ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 36"_____	In Water: ☐ No ☒ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 335

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: P-11		Outfall ID: 336
Today's date: 17 December 2014		Time (Military): 0955
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 50	Rainfall (in.): Last 24 hours: 0.26	Last 48 hours: 0.26
Camera: Nikon AW120		Photo #s: DSCN6365-6366

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____

Known Industries: Airports, Flying Fields, and Airport Terminal Services

Notes (e.g., origin of outfall, if known):
Airfield parking lot drainage.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 36"_____	In Water: ☐ No ☒ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 336

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: P-11	Outfall ID: 338
Today's date:	Time (Military):
Investigators: J. Oliver	Form completed by: J. Oliver
Temperature (°F):	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00
Camera:	Photo #s: None

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: Airports, Flying Fields, and Airport Terminal Services

Notes (e.g., origin of outfall, if known):
Associated Industrial Sites: LP-167, LP-205 & 205A, LP-210

Section 2: Outfall Description Not accessible

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 36"_____	In Water: ☐ No ☒ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☐ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
In secure area along Masons Creek from AMC terminal, not accessible.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 338

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☐ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☐ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☐ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: P-11		Outfall ID: 339 – unable to access outall
Today's date:		Time (Military):
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F):	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00	
Camera:		Photo #s: None

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: General Warehousing and Storage; Airports, Flying Fields, and Airport Terminal Services

Notes (e.g., origin of outfall, if known):
Associated Industrial Sites: LP-117, LP-167, LP-205 & 205-A, LP-210

Section 2: Outfall Description In secure area, not accessible

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 24"_____	In Water: ☐ No ☒ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☐ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
In secure area along Masons Creek from AMC terminal, not accessible.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 339

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☐ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☐ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☐ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: L-8		Outfall ID: 400 - unable to access outfall
Today's date:		Time (Military):
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F):	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00	
Camera:		Photo #s: None

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: General Warehousing and Storage

Notes (e.g., origin of outfall, if known):
Associated Industrial Site: CD-1

Section 2: Outfall Description In secure area, not accessible

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☐ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☐ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: _____	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☐ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
In secure area west of runway, not accessible.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 400

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☐ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☐ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☐ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: N-4		Outfall ID: 401
Today's date: 3 December 2014		Time (Military): 0900
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 48	Rainfall (in.): Last 24 hours: <0.01	Last 48 hours: <0.01
Camera: Nikon AW120		Photo #s: DSCN350-351

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: Non-Classified Facilities (Bulk fuel without maintenance)

Notes (e.g., origin of outfall, if known):
Associated Industrial Sites: CEP-1, CEP-2, CEP-3, CEP-11

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 18"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 401

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: J-3		Outfall ID: 402
Today's date: 3 December 2014		Time (Military): 0910
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 49	Rainfall (in.): Last 24 hours: <0.01	Last 48 hours: <0.01
Camera: Nikon AW120		Photo #s: None

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: AST berm water

Notes (e.g., origin of outfall, if known):
Z-312 AST

Section 2: Outfall Description Internal outfall/ manhole

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☒ Other: Drop inlet	☐ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: _____	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
Z-312 AST berm water.
Internal outfall/ manhole

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 402

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: H-3		Outfall ID: 404
Today's date: 3 December 2014		Time (Military): 0915
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 49	Rainfall (in.): Last 24 hours: <0.01	Last 48 hours: <0.01
Camera: Nikon AW120		Photo #s: None

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: Petroleum Bulk Stations and Terminals

Notes (e.g., origin of outfall, if known):
Associated Industrial Site: W-66

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☐ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☐ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: _____	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
☒ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☒ Other: Inlet	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 404

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: N/A		Outfall ID: 407
Today's date: 3 December 2014		Time (Military): 0930
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 49	Rainfall (in.): Last 24 hours: <0.01	Last 48 hours: <0.01
Camera: Nikon AW120		Photo #s: None

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: Petroleum Bulk Stations and Terminals

Notes (e.g., origin of outfall, if known):

Section 2: Outfall Description Internal outfall/ manhole

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☒ Other: Internal outfall/ manhole	☐ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: _____	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.
Internal outfall/ manhole

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 407

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: J-9	Outfall ID: 408
Today's date: 12 December 2014	Time (Military): 1407
Investigators: J. Oliver	Form completed by: J. Oliver
Temperature (°F): 46	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00
Camera: Nikon AW120	Photo #s: DSCN6333-6334

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____

Known Industries: Local Trucking Without Storage; Special Warehousing and Storage, Not Elsewhere Classified; Refuse Systems

Notes (e.g., origin of outfall, if known):
Drainage from LP 24/ LP 26.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 60"_____	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☒ Yes ☐ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☒ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None. Internal outfall. Marina flow likely compressor steam allowable.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 408

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: L-9		Outfall ID: 410
Today's date: 17 December 2014		Time (Military): 0854
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 46	Rainfall (in.): Last 24 hours: 0.26	Last 48 hours: 0.26
Camera: Nikon AW120		Photo #s: DSCN6359

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: Petroleum bulk storage

Notes (e.g., origin of outfall, if known):
Internal outfall at LP fuel farm. Drop inlet.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☒ Other: Drop inlet	☐ Circular ☐ Elliptical ☐ Box ☒ Other: rectangular	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: _____	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 410

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: L-9		Outfall ID: 411
Today's date: 17 December 2014		Time (Military): 0850
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 46	Rainfall (in.): Last 24 hours: 0.26	Last 48 hours: 0.26
Camera: Nikon AW120		Photo #s: DSCN6358

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☒ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: Petroleum Bulk Stations and Terminals

Notes (e.g., origin of outfall, if known):
Internal outfall at LP fuel farm drop inlet.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☒ Other: Drop inlet	☐ Circular ☐ Elliptical ☐ Box ☒ Other: rectangular	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: _____	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 411

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: L-9		Outfall ID: 412
Today's date: 17 December 2014		Time (Military): 0847
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 46	Rainfall (in.): Last 24 hours: 0.26	Last 48 hours: 0.26
Camera: Nikon AW120		Photo #s: DSCN6357

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: Petroleum Bulk Stations and Terminals

Notes (e.g., origin of outfall, if known):
Internal outfall of LP fuel farm drop inlet.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: _____	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☒ Yes ☐ No *If No, Skip to Section 5*				
Flow Description (If present)	☒ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 412

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: L-9		Outfall ID: 413
Today's date: 17 December 2014		Time (Military): 0843
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 46	Rainfall (in.): Last 24 hours: 0.26	Last 48 hours: 0.26
Camera: Nikon AW120		Photo #s: DSCN6355

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: Petroleum Bulk Stations and Terminals

Notes (e.g., origin of outfall, if known):
Internal outfall at LP fuel farm drop inlet.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☒ Other: Drop inlet	☐ Circular ☐ Elliptical ☐ Box ☒ Other: rectangular	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: _____	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 413

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: L-9		Outfall ID: 417
Today's date: 17 December 2014		Time (Military): 0845
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 46	Rainfall (in.): Last 24 hours: 0.26	Last 48 hours: 0.26
Camera: Nikon AW120		Photo #s: None

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: Petroleum Bulk Stations and Terminals

Notes (e.g., origin of outfall, if known):
Internal outfall at LP fuel farm drop inlet.

Section 2: Outfall Description Internal outfall/ manhole

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☒ Other: Internal outfall/ manhole	☐ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: _____	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.
Internal outfall/ manhole

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 417

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: L-9		Outfall ID: 419
Today's date: 17 December 2014		Time (Military): 0857
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 46	Rainfall (in.): Last 24 hours: 0.26	Last 48 hours: 0.26
Camera: Nikon AW120		Photo #s: DSCN6360

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: Petroleum Bulk Stations and Terminals

Notes (e.g., origin of outfall, if known):
Internal outfall at LP fuel farm drop inlet.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☒ Other: drop inlet	☐ Circular ☐ Elliptical ☐ Box ☒ Other: rectangular	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: _____	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 419

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: L-9		Outfall ID: 420
Today's date: 17 December 2014		Time (Military): 0902
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 46	Rainfall (in.): Last 24 hours: 0.26	Last 48 hours: 0.26
Camera: Nikon AW120		Photo #s: DSCN6361

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: Petroleum Bulk Stations and Terminals

Notes (e.g., origin of outfall, if known):
Internal outfall at LP fuel farm drop inlet.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☒ Other: Drop inlet	☐ Circular ☐ Elliptical ☐ Box ☒ Other: rectangular	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: _____	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 420

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: K-9		Outfall ID: 421
Today's date: 17 December 2014		Time (Military): 0924
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 46	Rainfall (in.): Last 24 hours: 0.26	Last 48 hours: 0.26
Camera: Nikon AW120		Photo #s: DSCN6362

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: Hazardous Waste Treatment, Storage or Disposal

Notes (e.g., origin of outfall, if known):
Associated Industrial Site: LP-159

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☒ Other: Drop Inlet	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: _____	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 421

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: J-9	Outfall ID: 422
Today's date: 12 December 2014	Time (Military): 1425
Investigators: J. Oliver	Form completed by: J. Oliver
Temperature (°F): 46	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00
Camera: Nikon AW120	Photo #s: DSCN6335-6337

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: Aircraft Engines and Engine Parts

Notes (e.g., origin of outfall, if known):
Internal outfall south of V-147

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☒ Other: Drop inlet	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: _____	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 422

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: J-9	Outfall ID: 423
Today's date: 12 December 2014	Time (Military): 1425
Investigators: J. Oliver	Form completed by: J. Oliver
Temperature (°F): 46	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00
Camera: Nikon AW120	Photo #s: DSCN6335-6337

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: Aircraft Engines and Engine Parts

Notes (e.g., origin of outfall, if known):
Internal outfall south of V-147.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 18"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 423

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: J-9		Outfall ID: 424
Today's date: 12 December 2014		Time (Military): 1435
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 46	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00	
Camera: Nikon AW120		Photo #s: DSCN6338-6339

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: Aircraft Engines and Engine Parts;

Notes (e.g., origin of outfall, if known):
Internal outfall south of (behind) V-147.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 18"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 424

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: P-9		Outfall ID: 605
Today's date: 17 December 2014		Time (Military): 1110
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 52	Rainfall (in.): Last 24 hours: 0.26	Last 48 hours: 0.26
Camera: Nikon AW120		Photo #s: DSCN6368

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☒ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: Repair Shops and Related Services, Not Elsewhere Classified

Notes (e.g., origin of outfall, if known):
MCA-612, Area and parking lot drainage near elementary school.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 48"	In Water: ☐ No ☒ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 605

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Station Norfolk (NSN), Norfolk, Virginia
N62470-10-D-3000, Delivery Order WE1A

Section 1: Background Data

Map Grid: S-8		Outfall ID: 611
Today's date: 17 December 2014		Time (Military): 1120
Investigators: J. Oliver		Form completed by: J. Oliver
Temperature (°F): 52	Rainfall (in.): Last 24 hours: 0.26	Last 48 hours: 0.26
Camera: Nikon AW120		Photo #s: DSCN6369

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: Repair Shops and Related Services, Not Elsewhere Classified

Notes (e.g., origin of outfall, if known):
Parking lot and open area drainage from NH-31B area of NSA HR.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 24" or 36" can only see top of pipe through vegetation	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully Unknown/ partially visible
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: Top Width: Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None. Outfall only partially visible - can only see top of pipe through vegetation.

Outfall Reconnaissance Inventory Field Sheet

Outfall ID: 611

Section 4: Physical Indicators for Flowing Outfalls Only

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Appendix C – Outfall Screening Data for Naval Air Station Oceana

2014 Industrial Stormwater Site Compliance Evaluation (SCE)

Naval Air Station Oceana

Contract No: N62470-10-D-3000
Delivery Order No: WE73

Final Report
Site Compliance Evaluation
February 2015

Prepared for:
NAVFAC Mid-Atlantic
Water Compliance Section
Norfolk, VA 23511

Prepared by:
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A Company of Michael Baker International
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Appendix B
Outfall Screening Forms

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Air Station Oceana (NASO), Virginia Beach, Virginia
N62470-10-D-3000, Delivery Order WE73

Section 1: Background Data

Map Tile: C14		Outfall ID: 001/901
Today's date: 28 August 2014		Time (Military): 0945
Investigators: J. Kelly, J. Oliver		Form completed by: J. Oliver
Temperature (°F): 78	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00	
Camera: Nikon COOLPIX AW110		Photo #s: DSCN7117-DSCN7127

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: Air Transportation Facilities

Notes (e.g.., origin of outfall, if known): Main outfall for most of the developed base area, drainage basin 8. Drainage canal located behind tee 12 at the Aeropines golf course.

Section 2: Outfall Description

Location	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☐ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☐ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: _____	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
☒ **Open drainage**	☐ Concrete ☒ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☒ Parabolic ☐ Other: _____		Depth: 2-3' Top Width: 12-15' Bottom Width: _____	
Flow Present?	☒ Yes ☐ No ***If No, Skip to Section 5***				
Flow Description (If present)	☒ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None

Outfall Reconnaissance Inventory Field Sheet

Section 4: Physical Indicators for Flowing Outfalls Only **Outfall ID: 001/901**

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Air Station Oceana (NASO), Virginia Beach, Virginia
N62470-10-D-3000, Delivery Order WE73

Section 1: Background Data

Map Tile: C3		Outfall ID: 002
Today's date: 25 August 2014		Time (Military): 1035
Investigators: J. Kelly, J. Oliver		Form completed by: J. Oliver
Temperature (°F): Mid 80's	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00	
Camera: Nikon COOLPIX AW110		Photo #s: DSCN6863-DSCN6871

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: Air Transportation Facilities

Notes (e.g.., origin of outfall, if known): Outfall for drainage basin 10, which is located along the western portion of the runways. Near Boom 5.

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☒ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 2 x 48" 	In Water: ☐ No ☒ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: _____ Top Width: _____ Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None

Outfall Reconnaissance Inventory Field Sheet

Section 4: Physical Indicators for Flowing Outfalls Only **Outfall ID: 002**

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Air Station Oceana (NASO), Virginia Beach, Virginia
N62470-10-D-3000, Delivery Order WE73

Section 1: Background Data

Map Tile: B6		Outfall ID: 003
Today's date: 25 August 2014		Time (Military): 1100
Investigators: J. Kelly, J. Oliver		Form completed by: J. Oliver
Temperature (°F): Low 80's	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00	
Camera: Nikon COOLPIX AW110		Photo #s: Outfall 003

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: Air Transportation Facilities

Notes (e.g.., origin of outfall, if known): Outfall for drainage basin 9, which is located west of the runways. Down gradient of Boom 4.

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☐ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☐ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: _____	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
☒ **Open drainage**	☒ Concrete ☒ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☒ Other: Square, earthen floor with concrete walls		Depth: 2' Top Width: 15' Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None

Outfall Reconnaissance Inventory Field Sheet

Section 4: Physical Indicators for Flowing Outfalls Only **Outfall ID: 003**

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Air Station Oceana (NASO), Virginia Beach, Virginia
N62470-10-D-3000, Delivery Order WE73

Section 1: Background Data

Map Tile: A10	Outfall ID: 004
Today's date: 27 August 2014	Time (Military): 1250
Investigators: J. Kelly, J. Oliver	Form completed by: J. Oliver
Temperature (°F): Low 80's	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00
Camera: Nikon COOLPIX AW110	Photo #s: DSCN7043-DSCN7048

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: Air Transportation Facilities

Notes (e.g.., origin of outfall, if known): Outfall for drainage basin 7, which is located southwest of the runways.

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☒ Triple ☐ Other: _____	Diameter/Dimensions: 3 x 48" 	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: _____ Top Width: _____ Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None

Outfall Reconnaissance Inventory Field Sheet

Section 4: Physical Indicators for Flowing Outfalls Only **Outfall ID: 004**

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Air Station Oceana (NASO), Virginia Beach, Virginia
N62470-10-D-3000, Delivery Order WE73

Section 1: Background Data

Map Tile: D1	Outfall ID: 005
Today's date: 27 August 2014	Time (Military): 1300
Investigators: J. Kelly, J. Oliver	Form completed by: J. Oliver
Temperature (°F): Low 80's	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00
Camera: Nikon COOLPIX AW110	Photo #s: DSCN7054-DSCN7058

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: Air Transportation Facilities

Notes (e.g.., origin of outfall, if known): Outfall for drainage basin 1, which is located immediately to the north of the runways.

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☐ RCP ☒ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 36" 	In Water: ☐ No ☒ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: _____ Top Width: _____ Bottom Width: _____	
Flow Present?	☒ Yes ☐ No *If No, Skip to Section 5*				
Flow Description (If present)	☒ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
Corrosion at the base of the end section wing walls at the water surface, some additional corrosion above water line.

Outfall Reconnaissance Inventory Field Sheet

Section 4: Physical Indicators for Flowing Outfalls Only **Outfall ID: 005**

Are any physical indicators present in the flow? ☒ Yes ☐ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color[1]	☒	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☒ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☒ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

1) Orange staining of the water and some substrate is likely attributed to the presence of siderophilic bacteria.

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Air Station Oceana (NASO), Virginia Beach, Virginia
N62470-10-D-3000, Delivery Order WE73

Section 1: Background Data

Map Tile: G2		Outfall ID: 006
Today's date: 27 August 2014		Time (Military): 1325
Investigators: J. Kelly, J. Oliver		Form completed by: J. Oliver
Temperature (°F): Low 80's	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00	
Camera: Nikon COOLPIX AW110		Photo #s: DSCN7066-DSCN7071

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: Air Transportation Facilities

Notes (e.g.., origin of outfall, if known): Outfall for drainage basin 3, which is the area adjacent to and east of the runways.

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☒ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 2 x 48" 	In Water: ☐ No ☒ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: _____ Top Width: _____ Bottom Width: _____	
Flow Present?	☒ Yes ☐ No *If No, Skip to Section 5*				
Flow Description (If present)	☒ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None

Outfall Reconnaissance Inventory Field Sheet

Section 4: Physical Indicators for Flowing Outfalls Only **Outfall ID: 006**

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Air Station Oceana (NASO), Virginia Beach, Virginia
N62470-10-D-3000, Delivery Order WE73

Section 1: Background Data

Map Tile: B9	Outfall ID: 007
Today's date: 27 August 2014	Time (Military): 1245
Investigators: J. Kelly, J. Oliver	Form completed by: J. Oliver
Temperature (°F): Low 80's	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00
Camera: Nikon COOLPIX AW110	Photo #s: Outfall 007

Land Use in Drainage Area (Check all that apply):

- ☒ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: Air Transportation Facilities

Notes (e.g.., origin of outfall, if known): Outfall for drainage basin 8, which is southeast of the runways.

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☒ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 2 x 48" 	In Water: ☐ No ☒ Partially ☐ Fully With Sediment: ☐ No ☒ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: _____ Top Width: _____ Bottom Width: _____	
Flow Present?	☒ Yes ☐ No *If No, Skip to Section 5*				
Flow Description (If present)	☒ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
Excessive vegetation growth around outfall.

Outfall Reconnaissance Inventory Field Sheet

Section 4: Physical Indicators for Flowing Outfalls Only **Outfall ID: 007**

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Air Station Oceana (NASO), Virginia Beach, Virginia
N62470-10-D-3000, Delivery Order WE73

Section 1: Background Data

Map Tile: G4	Outfall ID: 008
Today's date: 27 August 2014	Time (Military): 1345
Investigators: J. Kelly, J. Oliver	Form completed by: J. Oliver
Temperature (°F): Low 80's	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00
Camera: Nikon COOLPIX AW110	Photo #s: DSCN7073-DSCN7077

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☒ Open Space
- ☐ Institutional
- Other: _____
- Known Industries:_____

Notes (e.g.., origin of outfall, if known): Outfall for drainage basin 4, which is east of the runways and adjacent to Oceana Boulevard.

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 48"_____	In Water: ☐ No ☒ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: _____ Top Width: _____ Bottom Width: _____	
Flow Present?[1]	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

1) Flow not observed, but there is standing water.

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None

Outfall Reconnaissance Inventory Field Sheet

Section 4: Physical Indicators for Flowing Outfalls Only **Outfall ID: 008**

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color[1]	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

1) Standing water

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Air Station Oceana (NASO), Virginia Beach, Virginia
N62470-10-D-3000, Delivery Order WE73

Section 1: Background Data

Map Tile: H8		Outfall ID: 009
Today's date: 27 August 2014		Time (Military): 1350
Investigators: J. Kelly, J. Oliver		Form completed by: J. Oliver
Temperature (°F): Low 80's	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00	
Camera: Nikon COOLPIX AW110		Photo #s:

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☒ Open Space
- ☐ Ultra-Urban Residential
- ☐ Institutional
- ☐ Suburban Residential
- Other: _____
- ☐ Commercial
- Known Industries: _____

Notes (e.g.., origin of outfall, if known): Outfall northeast of outfall 010 down gradient of small pond.

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 24"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☐ No ☒ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: _____ Top Width: _____ Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None

Outfall Reconnaissance Inventory Field Sheet

Section 4: Physical Indicators for Flowing Outfalls Only **Outfall ID: 009**

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Air Station Oceana (NASO), Virginia Beach, Virginia
N62470-10-D-3000, Delivery Order WE73

Section 1: Background Data

Map Tile: H8	Outfall ID: 010
Today's date: 27 August 2014	Time (Military): 1400
Investigators: J. Kelly, J. Oliver	Form completed by: J. Oliver
Temperature (°F): Low 80's	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00
Camera: Nikon COOLPIX AW110	Photo #s: DSCN7078-DSCN7084

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☒ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: _____

Notes (e.g.., origin of outfall, if known): Drainage for basin 5, located around the Oceana stables.

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☐ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☐ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: _____	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
☒ **Open drainage**	☐ Concrete ☒ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☒ Parabolic ☐ Other: _____		Depth: 24" Top Width: 6' Bottom Width: N/A	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None

Outfall Reconnaissance Inventory Field Sheet

Section 4: Physical Indicators for Flowing Outfalls Only **Outfall ID: 010**

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Air Station Oceana (NASO), Virginia Beach, Virginia
N62470-10-D-3000, Delivery Order WE73

Section 1: Background Data

Map Tile: H9	Outfall ID: 011
Today's date: 27 August 2014	Time (Military):
Investigators: J. Kelly, J. Oliver	Form completed by: J. Oliver
Temperature (°F): Low 80's	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00
Camera: Nikon COOLPIX AW110	Photo #s:

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☒ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: _____

Notes (e.g.., origin of outfall, if known):

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☒ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 2 x 36" 	In Water: ☐ No ☒ Partially ☐ Fully With Sediment: ☐ No ☒ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: _____ Top Width: _____ Bottom Width: _____	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
None

Outfall Reconnaissance Inventory Field Sheet

Section 4: Physical Indicators for Flowing Outfalls Only **Outfall ID: 011**

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☒ Yes ☐ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: Sheen	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☒	☐ Brown ☐ Orange ☒ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Air Station Oceana (NASO), Virginia Beach, Virginia
N62470-10-D-3000, Delivery Order WE73

Section 1: Background Data

Map Tile: N/A		Outfall ID: 012
Today's date: 27 August 2014		Time (Military):
Investigators: J. Kelly, J. Oliver		Form completed by: J. Oliver
Temperature (°F): Low 80's	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00	
Camera: Nikon COOLPIX AW110		Photo #s:

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☒ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: _____

Notes (e.g.., origin of outfall, if known): Drainage from eastern portion to the south of the NEX/MWR complex.

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☐ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☐ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: _____	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
☒ **Open drainage**	☐ Concrete ☒ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☒ Parabolic ☐ Other: _____		Depth: 36" Top Width: 7' Bottom Width: N/A	
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
Excessive vegetation around outfall

Outfall Reconnaissance Inventory Field Sheet

Section 4: Physical Indicators for Flowing Outfalls Only **Outfall ID: 012**

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Air Station Oceana (NASO), Virginia Beach, Virginia
N62470-10-D-3000, Delivery Order WE73

Section 1: Background Data

Map Tile: N/A		Outfall ID: 013
Today's date: 27 August 2014		Time (Military):
Investigators: J. Kelly, J. Oliver		Form completed by: J. Oliver
Temperature (°F): Low 80's	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00	
Camera: Nikon COOLPIX AW110		Photo #s:

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☒ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: _____

Notes (e.g.., origin of outfall, if known): Drainage from western portion to the south of the NEX/MWR complex.

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☐ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☐ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: _____	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
☒ **Open drainage**	☐ Concrete ☒ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☒ Parabolic ☐ Other: _____		Depth: 24" Top Width: 5' Bottom Width: N/A	
Flow Present?	☐ Yes ☒ No ***If No, Skip to Section 5***				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
Excessive vegetation around outfall

Outfall Reconnaissance Inventory Field Sheet

Section 4: Physical Indicators for Flowing Outfalls Only **Outfall ID: 013**

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Site Compliance Evaluation
2014 Outfall Reconnaissance Inventory Field Sheet
Naval Air Station Oceana (NASO), Virginia Beach, Virginia
N62470-10-D-3000, Delivery Order WE73

Section 1: Background Data

Map Tile: E1		Outfall ID: 014
Today's date: 27 August 2014		Time (Military): 1315
Investigators: J. Kelly, J. Oliver		Form completed by: J. Oliver
Temperature (°F): Low 80's	Rainfall (in.): Last 24 hours: 0.00 Last 48 hours: 0.00	
Camera: Nikon COOLPIX AW110		Photo #s: DSCN7059-DSCN7064

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☐ Suburban Residential
- ☐ Commercial
- ☒ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: _____

Notes (e.g.., origin of outfall, if known): Drainage for basin 2, which is north of the runways, skeet range, and vehicle (boat/ rv) parking areas.

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☐ RCP ☒ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 18"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☐ No ☒ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ Rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: _____ Top Width: _____ Bottom Width: _____	
Flow Present?	☐ Yes ☒ No ***If No, Skip to Section 5***				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?

None

Outfall Reconnaissance Inventory Field Sheet

Section 4: Physical Indicators for Flowing Outfalls Only **Outfall ID: 014**

Are any physical indicators present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Pink ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables (Does not include trash)	☐	☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Evidence of Pollution at Outfall

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Appendix C – Outfall Screening Data for Navy Medical Center Portsmouth

Naval Medical Center - Portsmouth

Executive Summary

An illicit discharge source investigation was performed at the Naval Medical Center during site visits between late August and early October. During the illicit discharge survey, teams used a digital version of the Environmental Protection Agency's *Outfall Reconnaissance Inventory/Sample Collection Field Sheet*. Using sections 1, 2, 4, 5, and 6, the teams documented characteristics for each unobstructed access point. This process allowed for suspected illicit discharge problems, if any, to be traced upstream to their source.

The most significant changes on site since the map was last updated are demolition of approximately 10 buildings, construction of new parking areas, and construction around the Medical Center (Building 2), Medical Support Building (Building 3), and Administrative Office (Building 1). Construction around the Medical Center and Medical Support Building is ongoing.

Several sources of flow were noted entering the storm drain system in Outfall 12 and Outfall 24. There was some fire hydrant flushing taking place on several of the days while field work was performed. This may have affected the wetness and/or water levels noted in the storm drain system. Most of the features affected by standing water were influenced by back flow from the Elizabeth River. Water levels were seen to have fluctuated with the tide, based on subsequent investigative work.

<u>Outfall 12</u>
The main source of flow noted is a drain line from an icemaker in the fire station (Building 107) to the curb inlet next to the building. Flow from this was noted during the site visit and was seen downstream of the receiving inlet.

<u>Outfall 24</u>
A steam line that runs behind the Central Energy Plant (Building 20) discharges condensate into a drop inlet located between the Central Energy Plant, Administrative Office (Building 249), and Medical Center. This inlet is located near the top of Outfall 24 and this discharge influences the trickle of flow seen in downstream features.

<u>Outfall 33</u>
No flow was detected; however, an oily sheen was noted on the standing water surface originating in the construction zone off Williamson Drive in front of the Medical Support Building. The sheen was noted in some storm drainage features downstream from this area.

The discharges noted were all clean water, whether air conditioning condensate, steam line condensate, discharge from an ice machine, roof drainage, or inflow and infiltration.

Also noted during the inspections were features that need maintenance. Maintenance includes removing sediment, trash and debris; replacing a manhole cover or storm drain grate; removing abnormal vegetative growth, removing or replacing sediment bags; and removing temporary sediment control measures.

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/26/2014
Outfall ID:	1	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0.01
Structure ID:	205	**Temperature (°F):**	76
Latitude:	36.8464061811035	**Longitude:**	-76.3115862852411

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Unobservable	Unobservable	Unobservable	**Water:** Fully **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Backwater from the river.

NSA Portsmouth-1-205 Grid ID: D3

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/26/2014
Outfall ID:	1	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0.01
Structure ID:	206	**Temperature (°F):**	78
Latitude:	36.8463861417928	**Longitude:**	-76.3118037089809

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	24	**Water:** Fully **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Backwater from river noted.

NSA Portsmouth-1-206 Grid ID: D3

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/26/2014
Outfall ID:	1	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0.01
Structure ID:	207	**Temperature (°F):**	78
Latitude:	36.8469545981208	**Longitude:**	-76.3108004156744

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	18	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-1-207 Grid ID: C4

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☐ Flow Line ☐ Paint ☑ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/27/2014
Outfall ID:	1	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	208	**Temperature (°F):**	72
Latitude:	36.8466320931283	**Longitude:**	-76.3111308879011

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Unobservable	Circular	Unobservable	**Water:** Fully **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-1-208 Grid ID: D3

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☑	☐ Odors ☐ Colors ☐ Floatables ☑ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☐ Unlikely ☐ Potential (presence of two or more indicators) ☑ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/27/2014
Outfall ID:	1	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	209	**Temperature (°F):**	72
Latitude:	36.846419614685	**Longitude:**	-76.3111291873903

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	24	**Water:** Fully **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Backwater from river.

NSA Portsmouth-1-209 Grid ID: D3

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☑ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

NSA Portsmouth-1-210 Grid ID: D3

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/26/2014
Outfall ID:	1	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0.01
Structure ID:	210	**Temperature (°F):**	76
Latitude:	36.8466229016428	**Longitude:**	-76.3115928698921

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	18	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-1-210 Grid ID: D3

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

NSA Portsmouth-1-211 Grid ID: D4

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/17/2014
Outfall ID:	1	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	211	**Temperature (°F):**	70
Latitude:	36.8463777719501	**Longitude:**	-76.3099249490395

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** NA **Sediment:** No
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-1-211 Grid ID: D4

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

NSA Portsmouth-1-212 Grid ID: D5

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/17/2014
Outfall ID:	1	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	212	**Temperature (°F):**	70
Latitude:	36.8463068636806	**Longitude:**	-76.309631659879

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Steel	Circular	10	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Unable to lift grate. Photo on the left and information on pipe were collected downstream.

NSA Portsmouth-1-212 Grid ID: D5

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

NSA Portsmouth-1-213 Grid ID: C3

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/26/2014
Outfall ID:	1	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0.01
Structure ID:	213	**Temperature (°F):**	76
Latitude:	36.8470673891453	**Longitude:**	-76.3117018867401

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Roof drainage entering catch basin.

NSA Portsmouth-1-213 Grid ID: C3

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☑	☑ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/26/2014
Outfall ID:	1	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0.01
Structure ID:	214	**Temperature (°F):**	76
Latitude:	36.8467844727876	**Longitude:**	-76.3116104481256

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	Trickle	

Comments / Recommendations:

Standing water.

NSA Portsmouth-1-214 Grid ID: D3

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☑	☐ Brown ☑ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☐ Unlikely ☑ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

NSA Portsmouth-1-215 Grid ID: C4

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/26/2014
Outfall ID:	1	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0.01
Structure ID:	215	**Temperature (°F):**	79
Latitude:	36.8469560099775	**Longitude:**	-76.3104091023501

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-1-215 Grid ID: C4

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☑	☑ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/27/2014
Outfall ID:	1	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	216	**Temperature (°F):**	72
Latitude:	36.8464401636677	**Longitude:**	-76.3097338423443

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-1-216 Grid ID: D5

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

NSA Portsmouth-1-217 Grid ID: C2

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/26/2014
Outfall ID:	1	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0.01
Structure ID:	217	**Temperature (°F):**	75
Latitude:	36.8469429481451	**Longitude:**	-76.3124622378646

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Unobservable	Unobservable	Unobservable	**Water:** Fully **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Backwater from the river.

NSA Portsmouth-1-217 Grid ID: C2

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

NSA Portsmouth-1-218 Grid ID: D4

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/27/2014
Outfall ID:	1	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	218	**Temperature (°F):**	72
Latitude:	36.8463651399053	**Longitude:**	-76.3098565962295

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Clean sediment out of catch basin.

NSA Portsmouth-1-218 Grid ID: D4

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/27/2014
Outfall ID:	1	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	219	**Temperature (°F):**	72
Latitude:	36.8464626679785	**Longitude:**	-76.3102118996873

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Terra Cotta	Circular	15	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-1-219 Grid ID: D4

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

NSA Portsmouth-1-220 Grid ID: C3

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/27/2014
Outfall ID:	1	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	220	**Temperature (°F):**	72
Latitude:	36.8469611656985	**Longitude:**	-76.3111352698831

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	18	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-1-220 Grid ID: C3

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

NSA Portsmouth-1-220 Grid ID: C3

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/17/2014
Outfall ID:	1	**Rainfall (in.) 24 hr:**	0
Type:	Outfall	**Rainfall (in.) 48 hr:**	0
Structure ID:	221	**Temperature (°F):**	70
Latitude:	36.8463961722319	**Longitude:**	-76.3123554946526

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☐ **Closed Pipe**	NA	NA	NA	**Water:** NA **Sediment:** NA
☑ **Open Drainage**	Concrete	Parabolic	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-1-221 Grid ID: D2

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/26/2014
Outfall ID:	1	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0.01
Structure ID:	222	**Temperature (°F):**	78
Latitude:	36.8473795226891	**Longitude:**	-76.3116701079386

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	PVC	Circular	6	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	Yes	**Flow Description:**	Trickle	

Comments / Recommendations:

Roof drainage.

NSA Portsmouth-1-222 Grid ID: C3

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/27/2014
Outfall ID:	1	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	223	**Temperature (°F):**	72
Latitude:	36.8465185121401	**Longitude:**	-76.3097618293569

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Terra Cotta	Circular	8	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Two Pipes.

NSA Portsmouth-1-223 Grid ID: D4

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/26/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Outfall	**Rainfall (in.) 48 hr:**	0.01
Structure ID:	224	**Temperature (°F):**	74
Latitude:	36.8468948802951	**Longitude:**	-76.3130640246633

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☐ **Closed Pipe**	NA	NA	NA	**Water:** NA **Sediment:** NA
☑ **Open Drainage**	Unobservable	Unobservable	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Unable to see outfall in river.

NSA Portsmouth-2-224 Grid ID: C2

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/26/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0.01
Structure ID:	225	**Temperature (°F):**	74
Latitude:	36.8471678241358	**Longitude:**	-76.3131384105587

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** NA **Sediment:** Partially
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-2-225 Grid ID: C2

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

NSA Portsmouth-2-226 Grid ID: C2

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/26/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0.01
Structure ID:	226	**Temperature (°F):**	74
Latitude:	36.8470332149223	**Longitude:**	-76.3130653263221

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** NA **Sediment:** Partially
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Clean sediment out of bottom of inlet.

NSA Portsmouth-2-226 Grid ID: C2

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/26/2014
Outfall ID:	3	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0.01
Structure ID:	227	**Temperature (°F):**	75
Latitude:	36.8471261917193	**Longitude:**	-76.313688539737

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Cracking noted. Infow and infiltration likely.

NSA Portsmouth-3-227 Grid ID: C1

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☑	☑ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/26/2014
Outfall ID:	3	**Rainfall (in.) 24 hr:**	0
Type:	Outfall	**Rainfall (in.) 48 hr:**	0.01
Structure ID:	228	**Temperature (°F):**	74
Latitude:	36.8469005859547	**Longitude:**	-76.3139002888191

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☐ **Closed Pipe**	NA	NA	NA	**Water:** NA **Sediment:** NA
☑ **Open Drainage**	Unobservable	Unobservable	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Outfall discharges directly through wall onto rip rap along Elizabeth River.

NSA Portsmouth-3-228 Grid ID: C1

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/26/2014
Outfall ID:	4	**Rainfall (in.) 24 hr:**	0
Type:	Outfall	**Rainfall (in.) 48 hr:**	0.01
Structure ID:	229	**Temperature (°F):**	74
Latitude:	36.848397487006	**Longitude:**	-76.3145351075692

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☐ **Closed Pipe**	NA	NA	NA	**Water:** NA **Sediment:** NA
☑ **Open Drainage**	Concrete	Unobservable	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-4-229 Grid ID: A1

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/26/2014
Outfall ID:	5	**Rainfall (in.) 24 hr:**	0
Type:	Outfall	**Rainfall (in.) 48 hr:**	0.01
Structure ID:	230	**Temperature (°F):**	72
Latitude:	36.8487665351976	**Longitude:**	-76.3112699192593

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☐ **Closed Pipe**	NA	NA	NA	**Water:** NA **Sediment:** NA
☑ **Open Drainage**	Unobservable	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-5-230 Grid ID: A3

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/26/2014
Outfall ID:	5	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0.01
Structure ID:	231	**Temperature (°F):**	72
Latitude:	36.8477864942405	**Longitude:**	-76.311422910437

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Terracotta	Circular	4	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-5-231 Grid ID: B3

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☑	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/26/2014
Outfall ID:	5	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0.01
Structure ID:	232	**Temperature (°F):**	72
Latitude:	36.8483511180056	**Longitude:**	-76.3112629707906

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Unobservable	NA	Unobservable	**Water:** Fully **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Standing Water.

NSA Portsmouth-5-232 Grid ID: A3

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	10/6/2014
Outfall ID:	5	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	233	**Temperature (°F):**	65
Latitude:	36.8477833643232	**Longitude:**	-76.3119032737554

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	PVC	Circular	8	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Photo on right from downstream curb inlet. Catch basin needs to be cleaned out.

NSA Portsmouth-5-233 Grid ID: B3

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

NSA Portsmouth-5-233

Grid ID: B3

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/26/2014
Outfall ID:	5	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0.01
Structure ID:	234	**Temperature (°F):**	72
Latitude:	36.8478724497411	**Longitude:**	-76.3114180649244

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☐ **Closed Pipe**	PVC	Circular	12	**Water:** NA **Sediment:** Partially
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

NA

NSA Portsmouth-5-234 Grid ID: B3

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☑	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/26/2014
Outfall ID:	5	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0.01
Structure ID:	235	**Temperature (°F):**	72
Latitude:	36.8478763438022	**Longitude:**	-76.3114342696338

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	24	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	Yes	**Flow Description:**	Trickle	

Comments / Recommendations:

None

NSA Portsmouth-5-235 Grid ID: B3

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

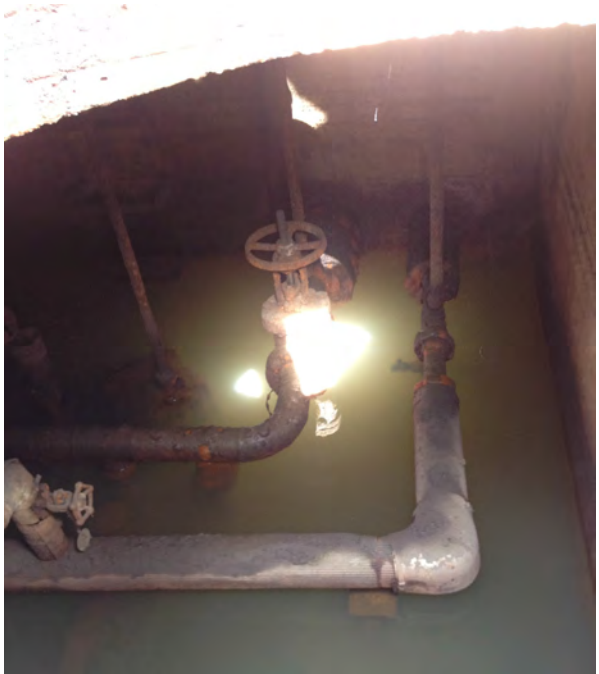
Subwatershed:	Elizabeth River	**Date:**	8/26/2014
Outfall ID:	5	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0.01
Structure ID:	236	**Temperature (°F):**	72
Latitude:	36.847962130989	**Longitude:**	-76.311261803879

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☐ **Closed Pipe**	NA	NA	NA	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Not clear what these pipes are inside manhole by physical fitness center, (BLDG 276). Any storm drainage pipes here are fully submerged, if present.



NSA Portsmouth-5-236 Grid ID: B3

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/26/2014
Outfall ID:	5	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0.01
Structure ID:	237	**Temperature (°F):**	72
Latitude:	36.8478688381916	**Longitude:**	-76.3118156251332

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	18	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-5-237 Grid ID: B3

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/26/2014
Outfall ID:	6	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0.01
Structure ID:	238	**Temperature (°F):**	74
Latitude:	36.8477917318555	**Longitude:**	-76.3108450161299

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Unobservable	Unobservable	Unobservable	**Water:** NA **Sediment:** Fully
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Sediment has filled to the surface. Vegetation growing. Needs maintenance

NSA Portsmouth-6-238 Grid ID: B4

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☑	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☐ Unlikely ☐ Potential (presence of two or more indicators) ☑ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/26/2014
Outfall ID:	6	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0.01
Structure ID:	239	**Temperature (°F):**	74
Latitude:	36.8476413310729	**Longitude:**	-76.3106711364269

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Unobservable	Unobservable	Unobservable	**Water:** NA **Sediment:** Fully
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Very old inlets in courtyard at BLDG. 104. Full of sediment. This does not appear to be functioning.

NSA Portsmouth-6-239 Grid ID: B4

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/26/2014
Outfall ID:	6	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0.01
Structure ID:	240	**Temperature (°F):**	74
Latitude:	36.8477461438893	**Longitude:**	-76.3106495031982

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	18	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-6-240 Grid ID: B4

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/26/2014
Outfall ID:	6	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0.01
Structure ID:	241	**Temperature (°F):**	72
Latitude:	36.8482702618863	**Longitude:**	-76.3108201103387

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	18	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-6-241 Grid ID: A4

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☑	☐ Brown ☑ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☐ Unlikely ☑ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

NSA Portsmouth-6-242 Grid ID: C4

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/26/2014
Outfall ID:	6	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0.01
Structure ID:	242	**Temperature (°F):**	76
Latitude:	36.8472185401148	**Longitude:**	-76.3106668011573

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Terracotta	Circular	8	**Water:** NA **Sediment:** Fully
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Clean sediment out of the catch basin. Pipe is submerged below sediment.

NSA Portsmouth-6-242 Grid ID: C4

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

NSA Portsmouth-6-242 Grid ID: C4

NSA Portsmouth-6-243 Grid ID: C4

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/26/2014
Outfall ID:	6	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0.01
Structure ID:	243	**Temperature (°F):**	79
Latitude:	36.8472195889396	**Longitude:**	-76.3104008612057

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	6	**Water:** No **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

On first visit; this grate appeared to have something dumped from above. Stains were evident on the ground and floatable were noted. During a follow up visit; this inlet had a clean surface. Needs maintenance because it is draining poorly.

NSA Portsmouth-6-243 Grid ID: C4

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☑	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☐ Unlikely ☐ Potential (presence of two or more indicators) ☑ Suspect (one or more idicators with severity of 3) ☐ Obvious

NSA Portsmouth-6-243

Grid ID: C4

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/26/2014
Outfall ID:	6	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0.01
Structure ID:	244	**Temperature (°F):**	72
Latitude:	36.8478840248138	**Longitude:**	-76.3103243139637

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** Fully **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Standing water.

NSA Portsmouth-6-244 Grid ID: B4

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

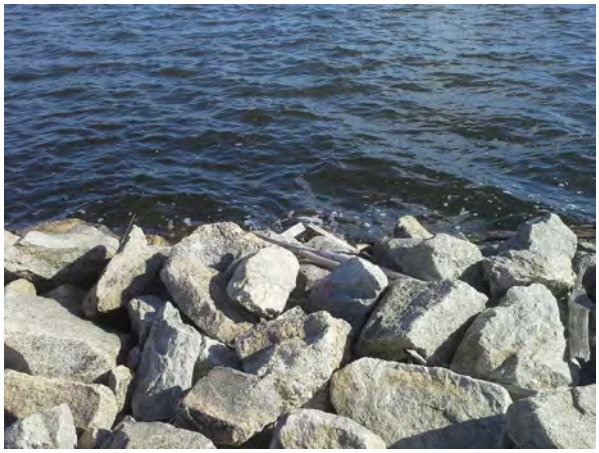
Subwatershed:	Elizabeth River	**Date:**	8/26/2014
Outfall ID:	6	**Rainfall (in.) 24 hr:**	0
Type:	Outfall	**Rainfall (in.) 48 hr:**	0.01
Structure ID:	245	**Temperature (°F):**	None
Latitude:	36.8487526009893	**Longitude:**	-76.3106805840087

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☐ **Closed Pipe**	NA	NA	NA	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None



NSA Portsmouth-6-245 Grid ID: A4

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/26/2014
Outfall ID:	6	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0.01
Structure ID:	246	**Temperature (°F):**	72
Latitude:	36.8478790222721	**Longitude:**	-76.3108156106774

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	18	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	Yes	**Flow Description:**	Trickle	

Comments / Recommendations:

None

NSA Portsmouth-6-246 Grid ID: B4

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☑	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/26/2014
Outfall ID:	6	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0.01
Structure ID:	247	**Temperature (°F):**	72
Latitude:	36.8478801789167	**Longitude:**	-76.310654374762

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	18	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	Yes	**Flow Description:**	Trickle	

Comments / Recommendations:

Remove vegetative growth inside curb inlet.

NSA Portsmouth-6-247 Grid ID: B4

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☑	☑ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/26/2014
Outfall ID:	6	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0.01
Structure ID:	248	**Temperature (°F):**	74
Latitude:	36.8475954892587	**Longitude:**	-76.3110067263558

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Clay	Circular	6	**Water:** NA **Sediment:** Partially
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Clean out catch basin. Sediment bag has fallen in.

NSA Portsmouth-6-248 Grid ID: B3

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/26/2014
Outfall ID:	6	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0.01
Structure ID:	249	**Temperature (°F):**	74
Latitude:	36.8477455997118	**Longitude:**	-76.3105083374429

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Terracotta	Circular	8	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Standing water.

NSA Portsmouth-6-249 Grid ID: B4

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/26/2014
Outfall ID:	6	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0.01
Structure ID:	250	**Temperature (°F):**	None
Latitude:	36.848275101941	**Longitude:**	-76.3106720706748

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Standing water.

NSA Portsmouth-6-250 Grid ID: A4

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/26/2014
Outfall ID:	6	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0.01
Structure ID:	251	**Temperature (°F):**	74
Latitude:	36.8476429672018	**Longitude:**	-76.3104066167117

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Unobservable	Unobservable	Unobservable	**Water:** NA **Sediment:** Fully
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Very old inlets in courtyard at BLDG. 104. Full of sediment. This does not appear to be functioning.

NSA Portsmouth-6-251 Grid ID: B4

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/26/2014
Outfall ID:	6	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0.01
Structure ID:	252	**Temperature (°F):**	74
Latitude:	36.8477974086937	**Longitude:**	-76.3102343872139

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Unobservable	Unobservable	Unobservable	**Water:** NA **Sediment:** Fully
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Clean accumulated sediment and grass clippings out of catch basin.

NSA Portsmouth-6-252 Grid ID: B4

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/26/2014
Outfall ID:	7	**Rainfall (in.) 24 hr:**	0
Type:	Outfall	**Rainfall (in.) 48 hr:**	0.01
Structure ID:	253	**Temperature (°F):**	76
Latitude:	36.8483902797711	**Longitude:**	-76.3096486281564

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☐ **Closed Pipe**	NA	NA	NA	**Water:** NA **Sediment:** NA
☑ **Open Drainage**	Concrete	Parabolic	10	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Outlet submerged.

NSA Portsmouth-7-253 Grid ID: A5

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

NSA Portsmouth-7-254 Grid ID: C5

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/26/2014
Outfall ID:	7	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0.01
Structure ID:	254	**Temperature (°F):**	76
Latitude:	36.847053504948	**Longitude:**	-76.3092739507329

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	18	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-7-254 Grid ID: C5

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

NSA Portsmouth-7-255 Grid ID: C5

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/26/2014
Outfall ID:	7	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0.01
Structure ID:	255	**Temperature (°F):**	75
Latitude:	36.8474031963147	**Longitude:**	-76.3095603857477

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	24	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Pipeline inspection showed water flowing from outfall. 2nd inspection confirmed.

NSA Portsmouth-7-255 Grid ID: C5

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☑	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/18/2014
Outfall ID:	7	**Rainfall (in.) 24 hr:**	0.03
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	256	**Temperature (°F):**	70
Latitude:	36.8477529471852	**Longitude:**	-76.3097024713779

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Needs new cover. Broken rebar creates an unsafe condition.

NSA Portsmouth-7-256 Grid ID: B5

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/26/2014
Outfall ID:	7	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0.01
Structure ID:	257	**Temperature (°F):**	76
Latitude:	36.8477312476594	**Longitude:**	-76.3093066736637

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-7-257 Grid ID: B5

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☑	☑ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/26/2014
Outfall ID:	7	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0.01
Structure ID:	258	**Temperature (°F):**	76
Latitude:	36.8477708403396	**Longitude:**	-76.309673782781

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-7-258 Grid ID: B5

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/27/2014
Outfall ID:	7	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	259	**Temperature (°F):**	72
Latitude:	36.8463240562714	**Longitude:**	-76.3090955004017

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** NA **Sediment:** Partially
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-7-259 Grid ID: D5

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/26/2014
Outfall ID:	7	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0.01
Structure ID:	260	**Temperature (°F):**	76
Latitude:	36.8477796097162	**Longitude:**	-76.3095642736563

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	24	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Remove vegetative growth from inlet.

NSA Portsmouth-7-260 Grid ID: B5

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☑	☑ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/27/2014
Outfall ID:	7	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	261	**Temperature (°F):**	72
Latitude:	36.8465927342105	**Longitude:**	-76.3091340650768

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Remove sediment bag.

NSA Portsmouth-7-261 Grid ID: D5

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

NSA Portsmouth-7-262 Grid ID: C5

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/26/2014
Outfall ID:	7	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0.01
Structure ID:	262	**Temperature (°F):**	76
Latitude:	36.8474027189892	**Longitude:**	-76.3096701796384

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-7-262 Grid ID: C5

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/27/2014
Outfall ID:	7	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	263	**Temperature (°F):**	72
Latitude:	36.8464892339117	**Longitude:**	-76.3095045824023

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Standing water.

NSA Portsmouth-7-263 Grid ID: D5

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☑	☐ Brown ☑ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☐ Unlikely ☑ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/26/2014
Outfall ID:	7	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0.01
Structure ID:	264	**Temperature (°F):**	76
Latitude:	36.8477394498594	**Longitude:**	-76.3090890028872

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-7-264 Grid ID: B5

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/26/2014
Outfall ID:	8	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0.01
Structure ID:	265	**Temperature (°F):**	75
Latitude:	36.8471847929657	**Longitude:**	-76.3088882123533

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-8-265 Grid ID: C5

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/28/2014
Outfall ID:	8	**Rainfall (in.) 24 hr:**	0
Type:	Outfall	**Rainfall (in.) 48 hr:**	0
Structure ID:	266	**Temperature (°F):**	78
Latitude:	36.8480981583101	**Longitude:**	-76.308961305573

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☐ **Closed Pipe**	NA	NA	NA	**Water:** NA **Sediment:** NA
☑ **Open Drainage**	rip-rap	River	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Outfall is not visible through rip rap

NSA Portsmouth-8-266 Grid ID: B5

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

NSA Portsmouth-8-267 Grid ID: C5

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/26/2014
Outfall ID:	8	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0.01
Structure ID:	267	**Temperature (°F):**	75
Latitude:	36.8471888380236	**Longitude:**	-76.3088672016571

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Terra Cotta	Circular	10	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-8-267 Grid ID: C5

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/26/2014
Outfall ID:	8	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0.01
Structure ID:	268	**Temperature (°F):**	75
Latitude:	36.8478043341913	**Longitude:**	-76.3089285341331

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-8-268 Grid ID: B5

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

NSA Portsmouth-8-269 Grid ID: C5

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/26/2014
Outfall ID:	8	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0.01
Structure ID:	269	**Temperature (°F):**	75
Latitude:	36.8471846513491	**Longitude:**	-76.3089215173924

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Terra Cotta	Circular	8	**Water:** NA **Sediment:** Partially
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Clean out catch basin. Sediment bag has fallen in. It is obstructing the outlet.

NSA Portsmouth-8-269 Grid ID: C5

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/26/2014
Outfall ID:	8	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0.01
Structure ID:	270	**Temperature (°F):**	75
Latitude:	36.8475152189322	**Longitude:**	-76.3089236284333

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Terra Cotta	Circular	Unobservable	**Water:** NA **Sediment:** Partially
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Clean out catch basin. Sediments bag has fallen in. It is obstructing the outlet.

NSA Portsmouth-8-270 Grid ID: B5

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☑	☑ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/26/2014
Outfall ID:	9	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0.01
Structure ID:	271	**Temperature (°F):**	75
Latitude:	36.8477958192941	**Longitude:**	-76.3088642102672

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Terra Cotta	Circular	8	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-9-271 Grid ID: B5

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☑	☑ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/28/2014
Outfall ID:	9	**Rainfall (in.) 24 hr:**	0
Type:	Outfall	**Rainfall (in.) 48 hr:**	0
Structure ID:	272	**Temperature (°F):**	78
Latitude:	36.8480756710144	**Longitude:**	-76.3088562556853

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☐ **Closed Pipe**	NA	NA	NA	**Water:** NA **Sediment:** NA
☑ **Open Drainage**	rip-rap	River	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-9-272 Grid ID: B5

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/18/2014
Outfall ID:	10	**Rainfall (in.) 24 hr:**	0.03
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	273	**Temperature (°F):**	70
Latitude:	36.8477624526769	**Longitude:**	-76.3082549378072

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Terracotta?	Circular	8	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Square lid

NSA Portsmouth-10-273 Grid ID: B6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

NSA Portsmouth-10-273 Grid ID: B6

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/18/2014
Outfall ID:	10	**Rainfall (in.) 24 hr:**	0.03
Type:	Outfall	**Rainfall (in.) 48 hr:**	0
Structure ID:	274	**Temperature (°F):**	70
Latitude:	36.8479310496967	**Longitude:**	-76.3082241139148

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☐ **Closed Pipe**	NA	NA	NA	**Water:** NA **Sediment:** NA
☑ **Open Drainage**	rip-rap	Unobservable	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-10-274 Grid ID: B6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/28/2014
Outfall ID:	11	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	275	**Temperature (°F):**	76
Latitude:	36.8476561317117	**Longitude:**	-76.3071472593663

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Drop inlet captures parking lot runoff and conveys it directly to river.

NSA Portsmouth-11-275 Grid ID: B7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/28/2014
Outfall ID:	11	**Rainfall (in.) 24 hr:**	0
Type:	Outfall	**Rainfall (in.) 48 hr:**	0
Structure ID:	276	**Temperature (°F):**	76
Latitude:	36.8477889247066	**Longitude:**	-76.3071448132538

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☐ **Closed Pipe**	NA	NA	NA	**Water:** NA **Sediment:** NA
☑ **Open Drainage**	Concrete	Circular	10	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Outfall discharges directly through wall onto rip rap along Elizabeth River.

NSA Portsmouth-11-276 Grid ID: B7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

NSA Portsmouth-12-277 Grid ID: C7

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/28/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	277	**Temperature (°F):**	76
Latitude:	36.8474456603053	**Longitude:**	-76.3070976786508

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Unobservable	Unobservable	Unobservable	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Manhole cover is cracked. Unable to lift it. Recommend replacing this lid.

NSA Portsmouth-12-277 Grid ID: C7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/27/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	278	**Temperature (°F):**	86
Latitude:	36.8454241451849	**Longitude:**	-76.3076558342762

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	18	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-12-278 Grid ID: F6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

NSA Portsmouth-12-279 Grid ID: F7

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/27/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	279	**Temperature (°F):**	86
Latitude:	36.8451025869792	**Longitude:**	-76.3073207123696

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Unobservable	Unobservable	Unobservable	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Sediment filter bag under grate is in poor condition. Unable to remove grate.

NSA Portsmouth-12-279 Grid ID: F7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/27/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	280	**Temperature (°F):**	86
Latitude:	36.8449473212317	**Longitude:**	-76.3071534622334

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	PVC	Circular	6	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Grate is broken and creates a safety hazard. recommend replacement grate.

NSA Portsmouth-12-280 Grid ID: F7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☑	☑ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/27/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	281	**Temperature (°F):**	76
Latitude:	36.8469837913446	**Longitude:**	-76.3080375661697

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	18	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-12-281 Grid ID: C6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	282	**Temperature (°F):**	73
Latitude:	36.8469776759366	**Longitude:**	-76.3057479796994

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	PVC	Circular	12	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-12-282 Grid ID: C8

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

NSA Portsmouth-12-283 Grid ID: C8

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	283	**Temperature (°F):**	73
Latitude:	36.8470172222807	**Longitude:**	-76.3056966445742

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	PVC	Circular	12	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-12-283 Grid ID: C8

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	284	**Temperature (°F):**	73
Latitude:	36.847154271354	**Longitude:**	-76.3055196665817

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	PVC	Circular	12	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-12-284 Grid ID: C8

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/17/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	285	**Temperature (°F):**	70
Latitude:	36.8463972469474	**Longitude:**	-76.3072964030597

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	10	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Unable to remove lid.

NSA Portsmouth-12-285 Grid ID: D7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

NSA Portsmouth-12-286 Grid ID: E6

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	NA
Outfall ID:	12	**Rainfall (in.) 24 hr:**	None
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	None
Structure ID:	286	**Temperature (°F):**	None
Latitude:	36.8458581720699	**Longitude:**	-76.3075235483675

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☐ **Closed Pipe**	RCP	NA	NA	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-12-286 Grid ID: E6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	287	**Temperature (°F):**	73
Latitude:	36.8467458019067	**Longitude:**	-76.3057527686182

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-12-287 Grid ID: D8

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/17/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	288	**Temperature (°F):**	70
Latitude:	36.8464929461685	**Longitude:**	-76.3069900892259

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Unobservable	Unobservable	Unobservable	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Unable to inspect. Under dumpster in loading zone.

NSA Portsmouth-12-288 Grid ID: D7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

NSA Portsmouth-12-289 Grid ID: C5

Illicit Discharge Summary Report

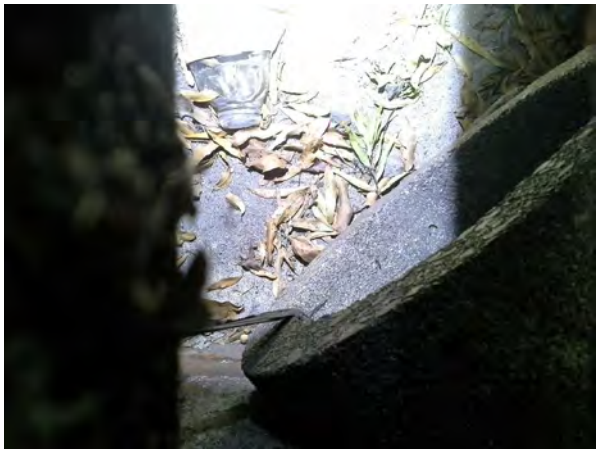
Subwatershed:	Elizabeth River	**Date:**	8/27/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	289	**Temperature (°F):**	76
Latitude:	36.8469974577376	**Longitude:**	-76.3087537597081

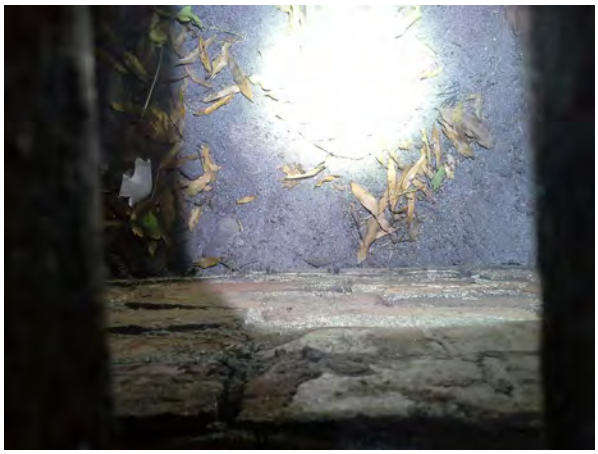
Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

NA





NSA Portsmouth-12-289 Grid ID: C5

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/27/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	290	**Temperature (°F):**	76
Latitude:	36.846876300416	**Longitude:**	-76.3080257578153

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	30	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-12-290 Grid ID: C6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☑	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

NSA Portsmouth-12-291 Grid ID: C8

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/17/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	291	**Temperature (°F):**	70
Latitude:	36.8473266940741	**Longitude:**	-76.3059906092677

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Standing water

NSA Portsmouth-12-291 Grid ID: C8

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	292	**Temperature (°F):**	73
Latitude:	36.8471467153519	**Longitude:**	-76.3058387041532

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	PVC	Circular	6	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-12-292 Grid ID: C8

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	293	**Temperature (°F):**	73
Latitude:	36.8470706111069	**Longitude:**	-76.305628034846

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	PVC	Circular	12	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-12-293 Grid ID: C8

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

NSA Portsmouth-12-294 Grid ID: F7

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/27/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	294	**Temperature (°F):**	86
Latitude:	36.845132182048	**Longitude:**	-76.3072761855759

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Unobservable	Unobservable	Unobservable	**Water:** NA **Sediment:** Fully
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Filled with sediment to top of grate. Maintenance needed.

NSA Portsmouth-12-294 Grid ID: F7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☐ Unlikely ☐ Potential (presence of two or more indicators) ☑ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/27/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	295	**Temperature (°F):**	78
Latitude:	36.846528457016	**Longitude:**	-76.3086714650449

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-12-295 Grid ID: D5

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

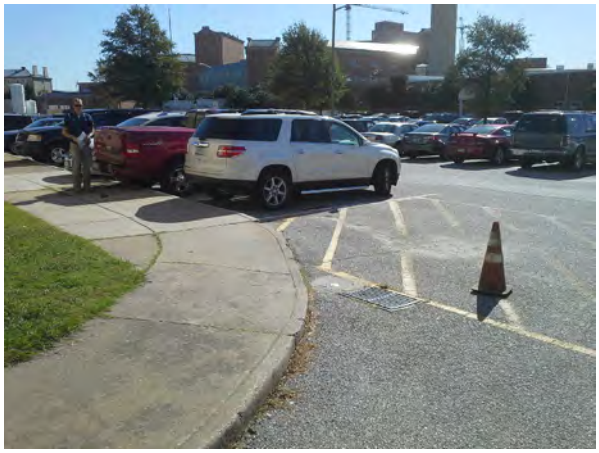
Subwatershed:	Elizabeth River	**Date:**	8/27/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	296	**Temperature (°F):**	76
Latitude:	36.8471674021615	**Longitude:**	-76.3082106778131

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Unobservable	Unobservable	Unobservable	**Water:** NA **Sediment:** Fully
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Outlet pipe not visible.



NSA Portsmouth-12-296 Grid ID: C6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☑	☑ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/28/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	297	**Temperature (°F):**	75
Latitude:	36.8459889409542	**Longitude:**	-76.3081451430182

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Sediment filter bag is located under grate. Pipe size determined from downstream outlet to manhole.

NSA Portsmouth-12-297 Grid ID: E6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/28/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	298	**Temperature (°F):**	76
Latitude:	36.8461682092774	**Longitude:**	-76.3078357425731

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Unobservable	Unobservable	Unobservable	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Sediment filter bag is hanging from grate.

NSA Portsmouth-12-298 Grid ID: E6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☐ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/28/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	299	**Temperature (°F):**	76
Latitude:	36.8471960432151	**Longitude:**	-76.3075206126731

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Unobservable	Unobservable	Unobservable	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Appears to have backwater from river. Floating trash noted . Water is a dirty brown.

NSA Portsmouth-12-299 Grid ID: C6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☑	☐ Clear ☑ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☑	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☐ Unlikely ☑ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/17/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	300	**Temperature (°F):**	70
Latitude:	36.846133957014	**Longitude:**	-76.3067709793483

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	30	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Standing water

NSA Portsmouth-12-300 Grid ID: E7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/28/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	301	**Temperature (°F):**	80
Latitude:	36.8470764432738	**Longitude:**	-76.3069126257023

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-12-301 Grid ID: C7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

NSA Portsmouth-12-302 Grid ID: E6

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/28/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	302	**Temperature (°F):**	76
Latitude:	36.8461121082213	**Longitude:**	-76.3077699149274

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	30	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	Yes	**Flow Description:**	Moderate	

Comments / Recommendations:

This manhole receives flow from the firestation which discharges flow from its ice maker into the adjacent curb inlet.

NSA Portsmouth-12-302 Grid ID: E6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☑	☐ Brown ☐ Orange ☑ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☐ Unlikely ☑ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

NSA Portsmouth-12-303 Grid ID: C6

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/18/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0.03
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	303	**Temperature (°F):**	None
Latitude:	36.8468493572112	**Longitude:**	-76.3080213955963

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☐ **Closed Pipe**	NA	NA	NA	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Unable to access under car.

NSA Portsmouth-12-303 Grid ID: C6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/28/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	304	**Temperature (°F):**	76
Latitude:	36.8465754130021	**Longitude:**	-76.3074222489461

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Unobservable	Unobservable	Unobservable	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Unable to lift manhole. Grate added to front of curb inlet needs cleaning. It is obstructed by grass clippings. Keep grate clear of leaves and grass.

NSA Portsmouth-12-304 Grid ID: D6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/17/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	305	**Temperature (°F):**	70
Latitude:	36.846004138733	**Longitude:**	-76.3068773919803

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	24	**Water:** No **Sediment:** No
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Standing water

NSA Portsmouth-12-305 Grid ID: E7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☑	☐ Brown ☑ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☐ Unlikely ☑ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	306	**Temperature (°F):**	73
Latitude:	36.8467706898996	**Longitude:**	-76.3058636539619

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-12-306 Grid ID: D8

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/28/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	307	**Temperature (°F):**	76
Latitude:	36.8469115019721	**Longitude:**	-76.3075211184246

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	The	Circular	30	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Appears to have some backwater from river. Lots of other pipes inlet here, including a sock drain from public works building. No discharge from other pipes at this time.

NSA Portsmouth-12-307 Grid ID: C6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/17/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	308	**Temperature (°F):**	70
Latitude:	36.846550169823	**Longitude:**	-76.3067299478994

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	36	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Standing water

NSA Portsmouth-12-308 Grid ID: D7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☑	☐ Brown ☑ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

NSA Portsmouth-12-308 Grid ID: D7

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/28/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	309	**Temperature (°F):**	76
Latitude:	36.8473470019935	**Longitude:**	-76.3073558571585

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Unobservable	Unobservable	Unobservable	**Water:** Fully **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Backwater from river.

NSA Portsmouth-12-309 Grid ID: C7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	310	**Temperature (°F):**	73
Latitude:	36.846858606179	**Longitude:**	-76.3059626042888

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	18	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Standing water.

NSA Portsmouth-12-310 Grid ID: C8

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☑	☑ Odors ☐ Colors ☐ Floatables ☑ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☐ Unlikely ☑ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/18/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0.03
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	311	**Temperature (°F):**	None
Latitude:	36.8471574020159	**Longitude:**	-76.306481861964

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☐ **Closed Pipe**	RCP	Circular	24	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Unable to access due to parked car. Pipe dimension determined from downstream manhole.

NSA Portsmouth-12-311 Grid ID: C7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

NSA Portsmouth-12-312 Grid ID: C5

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/27/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	312	**Temperature (°F):**	78
Latitude:	36.8468759201345	**Longitude:**	-76.3086748193541

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Unobservable	Circular	Unobservable	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-12-312 Grid ID: C5

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/27/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	313	**Temperature (°F):**	86
Latitude:	36.845306504305	**Longitude:**	-76.30750733198

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-12-313 Grid ID: F6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/28/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	314	**Temperature (°F):**	76
Latitude:	36.8473401116788	**Longitude:**	-76.3075233148055

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Unobservable	Circular	15	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Outlet pipe is mostly submerged. Standing water at bottom of manhole.

NSA Portsmouth-12-314 Grid ID: C6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☑ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/28/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	315	**Temperature (°F):**	76
Latitude:	36.847462920932	**Longitude:**	-76.3076247220247

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Sediment filter bag hanging under grate. Pipe info determined from downstream end of pipe.

NSA Portsmouth-12-315 Grid ID: C6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/27/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	316	**Temperature (°F):**	86
Latitude:	36.8452542047941	**Longitude:**	-76.3074860859252

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** NA **Sediment:** Partially
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Sediment filter bag has fallen to the bottom of the inlet basin partially obstructing outlet pipe. Maintenance needed.

NSA Portsmouth-12-316 Grid ID: F6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/28/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	317	**Temperature (°F):**	75
Latitude:	36.8461696851286	**Longitude:**	-76.3080676381721

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Unobservable	Unobservable	Unobservable	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Sediment filter bag is hanging on grate. Unable to see into inlet.

NSA Portsmouth-12-317 Grid ID: E6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	318	**Temperature (°F):**	73
Latitude:	36.8473133922043	**Longitude:**	-76.3062807031208

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-12-318 Grid ID: C7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/27/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	319	**Temperature (°F):**	86
Latitude:	36.8452219312097	**Longitude:**	-76.3076641095566

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** Partially **Sediment:** Partially
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Drop inlet in loading area of supply bldg has a sediment filter bag. Unable to lift grate.

NSA Portsmouth-12-319 Grid ID: F6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	320	**Temperature (°F):**	73
Latitude:	36.8467476091458	**Longitude:**	-76.3058959681593

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	PVC	Circular	10	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Clean accumulated leaf litter out of the catch basin.

NSA Portsmouth-12-320 Grid ID: D8

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

NSA Portsmouth-12-321 Grid ID: B6

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/28/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	321	**Temperature (°F):**	76
Latitude:	36.8475200949779	**Longitude:**	-76.30740770612

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	18	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-12-321 Grid ID: B6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/28/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	322	**Temperature (°F):**	76
Latitude:	36.8474297482627	**Longitude:**	-76.3070905100949

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Unobservable	Unobservable	Unobservable	**Water:** Fully **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Appears to have backwater from river in bottom of manhole.

NSA Portsmouth-12-322 Grid ID: C7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

NSA Portsmouth-12-323 Grid ID: C7

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/17/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	323	**Temperature (°F):**	70
Latitude:	36.8469001733241	**Longitude:**	-76.3069827428035

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	36	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Backwater

NSA Portsmouth-12-323 Grid ID: C7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

NSA Portsmouth-12-324 Grid ID: C8

Illicit Discharge Summary Report

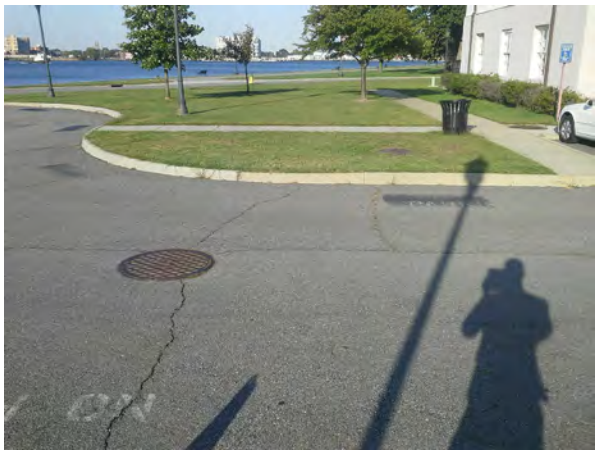
Subwatershed:	Elizabeth River	**Date:**	10/6/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	324	**Temperature (°F):**	70
Latitude:	36.8474316611585	**Longitude:**	-76.3061242588191

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Pipe dimensions determined from downstream invert.



NSA Portsmouth-12-324 Grid ID: C8

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/17/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	325	**Temperature (°F):**	70
Latitude:	36.8465271472312	**Longitude:**	-76.3072119739994

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	30	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	Yes	**Flow Description:**	Trickle	

Comments / Recommendations:

Flow from direction of fire station

NSA Portsmouth-12-325 Grid ID: D7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☑	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☐ Unlikely ☑ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/28/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	326	**Temperature (°F):**	74
Latitude:	36.8457304488545	**Longitude:**	-76.3079777662195

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Unobservable	Unobservable	Unobservable	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	Yes	**Flow Description:**	Moderate	

Comments / Recommendations:

AC condensate noted near inlet. Running water from a half inch metal appears to be draining something in the fire dept. Unable to lift mh cofer, even after trying to loosen it with a sledge hammer.

NSA Portsmouth-12-326 Grid ID: E6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☑	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☐ Unlikely ☐ Potential (presence of two or more indicators) ☑ Suspect (one or more idicators with severity of 3) ☐ Obvious

NSA Portsmouth-12-327 Grid ID: E7

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/17/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	327	**Temperature (°F):**	70
Latitude:	36.8461755338985	**Longitude:**	-76.3067819028622

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	24	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	Yes	**Flow Description:**	Trickle	

Comments / Recommendations:

Standing water, trickle from hospital kitchen or steam. Determine where flow is coming from.

NSA Portsmouth-12-327 Grid ID: E7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☑	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☑	☐ Brown ☑ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☐ Unlikely ☑ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/28/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	328	**Temperature (°F):**	75
Latitude:	36.845704065972	**Longitude:**	-76.308221815126

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-12-328 Grid ID: E6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

NSA Portsmouth-12-329 Grid ID: C6

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/27/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	329	**Temperature (°F):**	76
Latitude:	36.846907426707	**Longitude:**	-76.3080307910758

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	18	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Upstream curb inlet and downstream manhole are both dry. This appears to be seepage into pipe.

NSA Portsmouth-12-329 Grid ID: C6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☑	☐ Brown ☑ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/2/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	330	**Temperature (°F):**	97
Latitude:	36.8468461352403	**Longitude:**	-76.3083547334487

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Unobservable	Unobservable	Unobservable	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Sediment bag

NSA Portsmouth-12-330 Grid ID: C6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	331	**Temperature (°F):**	73
Latitude:	36.8470279707855	**Longitude:**	-76.3053714786958

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	PVC	Circular	12	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-12-331 Grid ID: C8

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	332	**Temperature (°F):**	73
Latitude:	36.8468510882476	**Longitude:**	-76.3056004871095

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	PVC	Circular	15	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-12-332 Grid ID: C8

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/17/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	333	**Temperature (°F):**	70
Latitude:	36.8468977730222	**Longitude:**	-76.3056553903431

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	PVC	Circular	10	**Water:** NA **Sediment:** Partially
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-12-333 Grid ID: C8

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	334	**Temperature (°F):**	73
Latitude:	36.84683494173	**Longitude:**	-76.305699672795

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	PVC	Circular	10	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-12-334 Grid ID: D8

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	335	**Temperature (°F):**	73
Latitude:	36.8469431983112	**Longitude:**	-76.3054787797616

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	PVC	Circular	15	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Roof drainage.

NSA Portsmouth-12-335 Grid ID: C8

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	336	**Temperature (°F):**	73
Latitude:	36.846892206104	**Longitude:**	-76.3055472547424

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	PVC	Circular	15	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-12-336 Grid ID: C8

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

NSA Portsmouth-12-337 Grid ID: C8

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	337	**Temperature (°F):**	73
Latitude:	36.8468950140047	**Longitude:**	-76.3057784415707

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	PVC	Circular	12	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-12-337 Grid ID: C8

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	338	**Temperature (°F):**	73
Latitude:	36.8469316798867	**Longitude:**	-76.3056944886175

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	PVC	Circular	10	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-12-338 Grid ID: C8

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

NSA Portsmouth-12-339 Grid ID: C8

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	339	**Temperature (°F):**	73
Latitude:	36.846987065787	**Longitude:**	-76.3056234633195

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	PVC	Circular	10	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-12-339 Grid ID: C8

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	340	**Temperature (°F):**	73
Latitude:	36.8470023582579	**Longitude:**	-76.3055125303651

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	PVC	Circular	10	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-12-340 Grid ID: C8

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	341	**Temperature (°F):**	73
Latitude:	36.8469662883512	**Longitude:**	-76.3065876466736

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-12-341 Grid ID: C7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/28/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	342	**Temperature (°F):**	76
Latitude:	36.8474293162258	**Longitude:**	-76.306992041265

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Unobservable	Unobservable	Unobservable	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

In dirt lot. Geotextile liner located under grate is full of sediment. Unable to see pipe. Backwater from river noted in downstream MH.

NSA Portsmouth-12-342 Grid ID: C7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/27/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	343	**Temperature (°F):**	86
Latitude:	36.8451687337539	**Longitude:**	-76.3077400980465

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Unobservable	Unobservable	Unobservable	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

There is a sediment filter bag under the grate. Unable to see pipe. In loading dock area of supply bldg. Maintenance needed on sediment bag.

NSA Portsmouth-12-343 Grid ID: F6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☑	☑ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

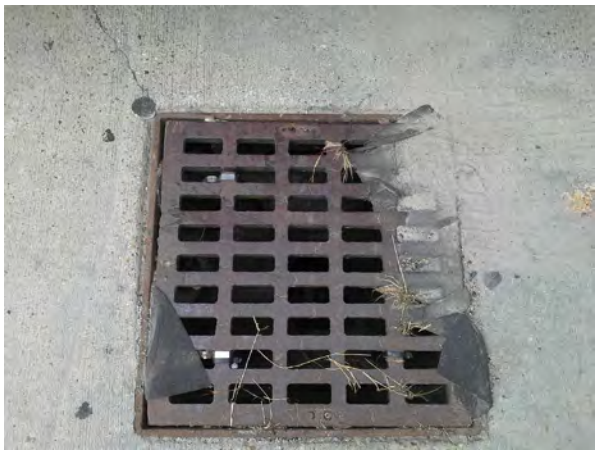
Subwatershed:	Elizabeth River	**Date:**	9/17/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	344	**Temperature (°F):**	70
Latitude:	36.8464544800189	**Longitude:**	-76.3066427340617

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Unobservable	Unobservable	Unobservable	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Sediment bag



NSA Portsmouth-12-344 Grid ID: D7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/28/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	345	**Temperature (°F):**	64
Latitude:	36.8470721142576	**Longitude:**	-76.3063306907731

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	18	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-12-345 Grid ID: C7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	346	**Temperature (°F):**	73
Latitude:	36.8470381952345	**Longitude:**	-76.3055555156498

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	PVC	Circular	<Null>	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-12-346 Grid ID: C8

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	347	**Temperature (°F):**	73
Latitude:	36.8467948122884	**Longitude:**	-76.3056758782197

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	PVC	Circular	12	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-12-347 Grid ID: D8

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

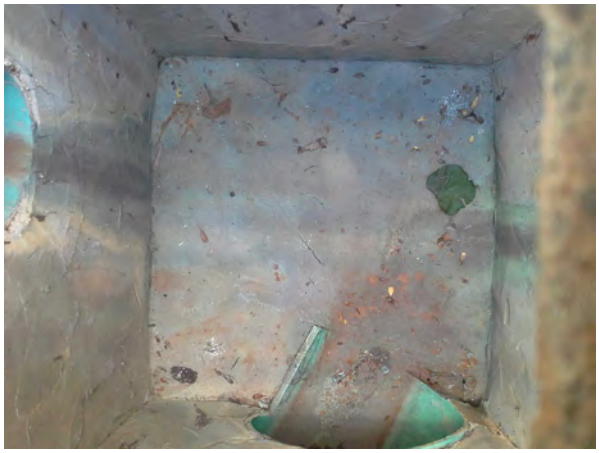
Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	348	**Temperature (°F):**	73
Latitude:	36.8472310951	**Longitude:**	-76.3057289012794

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	PVC	Circular	12	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	Yes	**Flow Description:**	Trickle	

Comments / Recommendations:

None



NSA Portsmouth-12-348 Grid ID: C8

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	349	**Temperature (°F):**	73
Latitude:	36.8469198566602	**Longitude:**	-76.3058228174474

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	PVC	Circular	12	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-12-349 Grid ID: C8

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	350	**Temperature (°F):**	73
Latitude:	36.8469505127938	**Longitude:**	-76.3055816898622

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	PVC	Circular	10	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-12-350 Grid ID: C8

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/27/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	351	**Temperature (°F):**	76
Latitude:	36.8470084341262	**Longitude:**	-76.3080900816812

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	18	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-12-351 Grid ID: C6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/17/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	352	**Temperature (°F):**	70
Latitude:	36.846635210872	**Longitude:**	-76.3066172093312

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

NA

NSA Portsmouth-12-352 Grid ID: D7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/28/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	353	**Temperature (°F):**	None
Latitude:	36.8471174517413	**Longitude:**	-76.3062735228867

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-12-353 Grid ID: C7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	354	**Temperature (°F):**	73
Latitude:	36.8468647251908	**Longitude:**	-76.3059012358801

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-12-354 Grid ID: C8

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

NSA Portsmouth-12-355 Grid ID: B7

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	10/8/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	355	**Temperature (°F):**	80
Latitude:	36.8475652381032	**Longitude:**	-76.3073076796114

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Terra Cotta	Other	10	**Water:** Fully **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Fine sediment accumulated on sides all the way up to MH lid. Pipe size and material determined from outlet in downsream MH

NSA Portsmouth-12-355 Grid ID: B7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	10/8/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	356	**Temperature (°F):**	80
Latitude:	36.8476549808146	**Longitude:**	-76.3073041357576

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Terra Cotta	Circular	10	**Water:** Fully **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Sediment stains on interior of structure

NSA Portsmouth-12-356 Grid ID: B7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/28/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	357	**Temperature (°F):**	82
Latitude:	36.8471682108857	**Longitude:**	-76.3067195274421

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	24	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Standing water at bottom of manhole.

NSA Portsmouth-12-357 Grid ID: C7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/28/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	358	**Temperature (°F):**	75
Latitude:	36.8458885993071	**Longitude:**	-76.3080794150855

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	30	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Flow noted from curb inlet near fire dept.

NSA Portsmouth-12-358 Grid ID: E6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☑	☐ Brown ☑ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/28/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	359	**Temperature (°F):**	76
Latitude:	36.8458491357691	**Longitude:**	-76.3074486306694

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	8	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-12-359 Grid ID: E6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

NSA Portsmouth-12-359 Grid ID: E6

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	360	**Temperature (°F):**	73
Latitude:	36.8471380530137	**Longitude:**	-76.3059975837876

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-12-360 Grid ID: C8

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	361	**Temperature (°F):**	73
Latitude:	36.8468001930264	**Longitude:**	-76.3058242278024

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	PVC	Circular	10	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-12-361 Grid ID: D8

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/27/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	362	**Temperature (°F):**	86
Latitude:	36.8454911902836	**Longitude:**	-76.3075879962009

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Bottom of catch basin wet, likely due to hydrant flushing the previous day.

NSA Portsmouth-12-362 Grid ID: F6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/27/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	363	**Temperature (°F):**	86
Latitude:	36.8455158076666	**Longitude:**	-76.3077926099648

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-12-363 Grid ID: F6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/28/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	364	**Temperature (°F):**	82
Latitude:	36.847019004353	**Longitude:**	-76.306845220615

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-12-364 Grid ID: C7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/28/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	365	**Temperature (°F):**	82
Latitude:	36.8471376957372	**Longitude:**	-76.3069968445568

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Unobservable	Unobservable	Unobservable	**Water:** Fully **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

The rim dislodged with the lid. Maintenance required. Standing water is backwater from river.

NSA Portsmouth-12-365 Grid ID: C7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/28/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Outfall	**Rainfall (in.) 48 hr:**	0
Structure ID:	366	**Temperature (°F):**	76
Latitude:	36.8478108549702	**Longitude:**	-76.3069471578402

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☐ **Closed Pipe**	NA	NA	NA	**Water:** NA **Sediment:** NA
☑ **Open Drainage**	rip-rap	River	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Flared end section is fully submerged.

NSA Portsmouth-12-366 Grid ID: B7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/28/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	367	**Temperature (°F):**	76
Latitude:	36.8460810786548	**Longitude:**	-76.307741515588

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	Yes	**Flow Description:**	Trickle	

Comments / Recommendations:

12 inch plastic pipe draining from central energy plant has a trickle of clean flow.

NSA Portsmouth-12-367 Grid ID: E6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☑	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☑	☐ Brown ☑ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☐ Unlikely ☑ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/17/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	368	**Temperature (°F):**	70
Latitude:	36.8471191461096	**Longitude:**	-76.3066967650311

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-12-368 Grid ID: C7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	369	**Temperature (°F):**	73
Latitude:	36.847609110973	**Longitude:**	-76.3061881802397

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-12-369 Grid ID: B7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

NSA Portsmouth-12-370 Grid ID: B7

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/28/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	370	**Temperature (°F):**	76
Latitude:	36.8474818047475	**Longitude:**	-76.306950120484

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Unobservable	Unobservable	Unobservable	**Water:** Fully **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Standing water

NSA Portsmouth-12-370 Grid ID: B7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/2/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	371	**Temperature (°F):**	95
Latitude:	36.846836298236	**Longitude:**	-76.3086768252922

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-12-371 Grid ID: C5

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☑	☑ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/28/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	372	**Temperature (°F):**	74
Latitude:	36.8455665362434	**Longitude:**	-76.3077241062378

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	24	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Standing water in bottom believed to be result of hydrant flushing on 26 august 2014

NSA Portsmouth-12-372 Grid ID: E6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/27/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	373	**Temperature (°F):**	86
Latitude:	36.8449797861559	**Longitude:**	-76.3071094331063

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Unobservable	Unobservable	Unobservable	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Unable to lift grate. Grass clippings and some trash noted.

NSA Portsmouth-12-373 Grid ID: F7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	374	**Temperature (°F):**	73
Latitude:	36.8470176313163	**Longitude:**	-76.3061522287638

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-12-374 Grid ID: C8

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/17/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	375	**Temperature (°F):**	70
Latitude:	36.846676880937	**Longitude:**	-76.3068256993255

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	36	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Sediment bag is coming loose. Standing water noted beneath.

NSA Portsmouth-12-375 Grid ID: D7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

NSA Portsmouth-12-375 Grid ID: D7

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/27/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	376	**Temperature (°F):**	86
Latitude:	36.8452883172694	**Longitude:**	-76.3074374673054

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Unobservable	Unobservable	Unobservable	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Sediment filter bag located under grate. Unable to lift grate.

NSA Portsmouth-12-376 Grid ID: F6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/28/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	377	**Temperature (°F):**	74
Latitude:	36.8456225492776	**Longitude:**	-76.3076126253111

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

This drop inlet is surrounded by silt fence that needs to be removed. The silt fence prevented field crew from lifting grate. No obvious sign of illicit dischrage looking straight down into grate.

NSA Portsmouth-12-377 Grid ID: E6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

NSA Portsmouth-12-378 Grid ID: C7

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/28/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	378	**Temperature (°F):**	76
Latitude:	36.8474467917962	**Longitude:**	-76.3071987292388

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☐ **Closed Pipe**	Unobservable	Unobservable	Unobservable	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Sediment filter bag is hanging from the grate. Unable to see inside.

NSA Portsmouth-12-378 Grid ID: C7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	10/27/2014
Outfall ID:	12	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	569	**Temperature (°F):**	70
Latitude:		**Longitude:**	

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☐ **Closed Pipe**	RCP	Circular	15	**Water:** No **Sediment:** No
☐ **Open Drainage**	NA	NA	None	
Flow Present?	NA	**Flow Description:**	Trickle	

Comments / Recommendations:

None

NSA Portsmouth-12-569 Grid ID: C6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/28/2014
Outfall ID:	13	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	379	**Temperature (°F):**	None
Latitude:	36.8477770807659	**Longitude:**	-76.3058863993049

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	24	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-13-379 Grid ID: B8

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/28/2014
Outfall ID:	13	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	380	**Temperature (°F):**	None
Latitude:	36.8477043996454	**Longitude:**	-76.305884601776

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-13-380 Grid ID: B8

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

NSA Portsmouth-13-381 Grid ID: B8

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/28/2014
Outfall ID:	13	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	381	**Temperature (°F):**	None
Latitude:	36.8476216443282	**Longitude:**	-76.3057909488144

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Standing water appears to be tidally influenced backwater from the river.

NSA Portsmouth-13-381 Grid ID: B8

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☑ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/28/2014
Outfall ID:	13	**Rainfall (in.) 24 hr:**	0
Type:	Outfall	**Rainfall (in.) 48 hr:**	0
Structure ID:	382	**Temperature (°F):**	None
Latitude:	36.8478794758723	**Longitude:**	-76.3059315827671

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☐ **Closed Pipe**	NA	NA	NA	**Water:** NA **Sediment:** NA
☑ **Open Drainage**	Concrete	Circular	12	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Outfall dishcarges directly onto rip rap along Elizabeth River.

NSA Portsmouth-13-382 Grid ID: B8

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/28/2014
Outfall ID:	14	**Rainfall (in.) 24 hr:**	0
Type:	Outfall	**Rainfall (in.) 48 hr:**	0
Structure ID:	383	**Temperature (°F):**	None
Latitude:	36.8481132607805	**Longitude:**	-76.3051866880554

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☐ **Closed Pipe**	NA	NA	NA	**Water:** NA **Sediment:** NA
☑ **Open Drainage**	Steel Over Rip Rap	Circular	8	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-14-383 Grid ID: B8

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/18/2014
Outfall ID:	14	**Rainfall (in.) 24 hr:**	0.03
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	384	**Temperature (°F):**	None
Latitude:	36.8480276800755	**Longitude:**	-76.3051450241925

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Steel	Circular	8	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Trench drain outlet goes through a metal pipe through the concrete wall at Elizabeth River.

NSA Portsmouth-14-384 Grid ID: B8

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	15	**Rainfall (in.) 24 hr:**	0
Type:	Outfall	**Rainfall (in.) 48 hr:**	0
Structure ID:	385	**Temperature (°F):**	76
Latitude:	36.8483191519607	**Longitude:**	-76.3045263517614

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☐ **Closed Pipe**	NA	NA	NA	**Water:** NA **Sediment:** NA
☑ **Open Drainage**	Steel	Circular	8	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Outfall discharges directly through wall onto rip rap along Elizabeth River.

NSA Portsmouth-15-385 Grid ID: A9

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	15	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	386	**Temperature (°F):**	76
Latitude:	36.8482356302897	**Longitude:**	-76.3044884033305

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Steel	Circular	8	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-15-386 Grid ID: A9

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	16	**Rainfall (in.) 24 hr:**	0
Type:	Outfall	**Rainfall (in.) 48 hr:**	0
Structure ID:	387	**Temperature (°F):**	76
Latitude:	36.8485311830305	**Longitude:**	-76.3038589277598

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☐ **Closed Pipe**	NA	NA	NA	**Water:** NA **Sediment:** NA
☑ **Open Drainage**	Steel Over Rip Rap	River	6	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Outfall discharges through wall onto rip rap along Elizabeth River.

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	16	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	388	**Temperature (°F):**	76
Latitude:	36.8484467428957	**Longitude:**	-76.3038217707447

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Steel	Circular	8	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/17/2014
Outfall ID:	17	**Rainfall (in.) 24 hr:**	0
Type:	Outfall	**Rainfall (in.) 48 hr:**	0
Structure ID:	389	**Temperature (°F):**	70
Latitude:	36.8486369478249	**Longitude:**	-76.3032921087818

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☐ **Closed Pipe**	NA	NA	NA	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	rip-rap	Unobservable	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/17/2014
Outfall ID:	17	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	390	**Temperature (°F):**	70
Latitude:	36.8475846028122	**Longitude:**	-76.3065999877289

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	Unobservable	**Water:** Fully **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Standing water

NSA Portsmouth-17-390 Grid ID: B7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/17/2014
Outfall ID:	17	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	391	**Temperature (°F):**	70
Latitude:	36.8477377202808	**Longitude:**	-76.3061254050694

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	Unobservable	**Water:** Fully **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Backwater from river.

NSA Portsmouth-17-391 Grid ID: B8

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	18	**Rainfall (in.) 24 hr:**	0
Type:	Outfall	**Rainfall (in.) 48 hr:**	0
Structure ID:	392	**Temperature (°F):**	76
Latitude:	36.8483024342631	**Longitude:**	-76.3029349458114

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☐ **Closed Pipe**	NA	NA	NA	**Water:** NA **Sediment:** NA
☑ **Open Drainage**	Masonry Wall Over	River	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-18-392 Grid ID: A10

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	18	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	393	**Temperature (°F):**	76
Latitude:	36.8482387932558	**Longitude:**	-76.3030084621376

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Steel	Circular	8	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-18-393 Grid ID: A10

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	19	**Rainfall (in.) 24 hr:**	0
Type:	Outfall	**Rainfall (in.) 48 hr:**	0
Structure ID:	394	**Temperature (°F):**	76
Latitude:	36.848236451942	**Longitude:**	-76.302858565656

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☐ **Closed Pipe**	NA	NA	NA	**Water:** NA **Sediment:** NA
☑ **Open Drainage**	Steel Pipe Above	Circular	6	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Outfall discharges directly through wall to Elizabeth River.

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	20	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	395	**Temperature (°F):**	76
Latitude:	36.8481303171011	**Longitude:**	-76.3028878013269

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Steel	Circular	8	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-20-395 Grid ID: A10

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	20	**Rainfall (in.) 24 hr:**	0
Type:	Outfall	**Rainfall (in.) 48 hr:**	0
Structure ID:	396	**Temperature (°F):**	76
Latitude:	36.848170314291	**Longitude:**	-76.3027969789568

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☐ **Closed Pipe**	NA	NA	NA	**Water:** NA **Sediment:** NA
☑ **Open Drainage**	Masonry Wall	River	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Outfall discharges directly through wall onto rip rap along Elizabeth River.

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	21	**Rainfall (in.) 24 hr:**	0
Type:	Outfall	**Rainfall (in.) 48 hr:**	0
Structure ID:	397	**Temperature (°F):**	75
Latitude:	36.8473260212169	**Longitude:**	-76.3028181729093

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☐ **Closed Pipe**	NA	NA	NA	**Water:** NA **Sediment:** NA
☑ **Open Drainage**	Terracotta	Circular	8	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	22	**Rainfall (in.) 24 hr:**	0
Type:	Outfall	**Rainfall (in.) 48 hr:**	0
Structure ID:	398	**Temperature (°F):**	75
Latitude:	36.8468177212182	**Longitude:**	-76.3036557944195

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☐ **Closed Pipe**	NA	NA	NA	**Water:** Partially **Sediment:** NA
☑ **Open Drainage**	Steel	Circular	12	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Discharges directly to Elizabeth River.

NSA Portsmouth-22-398 Grid ID: D10

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	23	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	399	**Temperature (°F):**	75
Latitude:	36.8467259208365	**Longitude:**	-76.3045532383378

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	18	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	Trickle	

Comments / Recommendations:

Standing water.

NSA Portsmouth-23-399 Grid ID: D9

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☑	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	23	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	400	**Temperature (°F):**	75
Latitude:	36.8466538677287	**Longitude:**	-76.3050335567405

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	18	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Standing water.

NSA Portsmouth-23-400 Grid ID: D8

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	23	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	401	**Temperature (°F):**	75
Latitude:	36.8464790647424	**Longitude:**	-76.304599134164

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Unobservable	Unobservable	Unobservable	**Water:** Fully **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Inlet pipe shown in photo. Unable to see outlet. Water is backwater from the river.

NSA Portsmouth-23-401 Grid ID: D9

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	10/6/2014
Outfall ID:	23	**Rainfall (in.) 24 hr:**	0
Type:	Outfall	**Rainfall (in.) 48 hr:**	0
Structure ID:	402	**Temperature (°F):**	70
Latitude:	36.8462768902196	**Longitude:**	-76.3039784917275

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☐ **Closed Pipe**	NA	NA	NA	**Water:** NA **Sediment:** NA
☑ **Open Drainage**	Metal Steel	Circular	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-23-402 Grid ID: D9

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	23	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	403	**Temperature (°F):**	75
Latitude:	36.8467212187067	**Longitude:**	-76.3044420574484

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Terra Cotta	Circular	6	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Old catch basin. Does not appear to be connected to current drainage system.

NSA Portsmouth-23-403 Grid ID: D9

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☑	☑ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	23	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	404	**Temperature (°F):**	75
Latitude:	36.84678703412	**Longitude:**	-76.3048400084243

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Standing water in bottom of inlet appears to be backwater from river. Grass clippings on surface.

NSA Portsmouth-23-404 Grid ID: D9

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	23	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	405	**Temperature (°F):**	76
Latitude:	36.8462375411831	**Longitude:**	-76.3044055526102

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Unobservable	Unobservable	Unobservable	**Water:** Fully **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Standing water in catch basin appears to be back water from the river. Sand on surface fell in when grate was removed. Outlet pipe is completely submerged.

NSA Portsmouth-23-405 Grid ID: D9

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	23	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	406	**Temperature (°F):**	75
Latitude:	36.8464801373001	**Longitude:**	-76.3045055252198

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Unobservable	Unobservable	Unobservable	**Water:** Fully **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Pipes are completely submerged by backwater from river. Debris fell in when manhole cover was removed.

NSA Portsmouth-23-406 Grid ID: D9

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/27/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	407	**Temperature (°F):**	84
Latitude:	36.8444286720703	**Longitude:**	-76.3075304833615

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-24-407 Grid ID: G6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/27/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	408	**Temperature (°F):**	82
Latitude:	36.8446790961622	**Longitude:**	-76.3079217472784

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-24-408 Grid ID: G6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☑	☑ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/11/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	1.72
Structure ID:	409	**Temperature (°F):**	80
Latitude:	36.8445177786503	**Longitude:**	-76.303934552432

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-24-409 Grid ID: G9

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/11/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	1.72
Structure ID:	410	**Temperature (°F):**	80
Latitude:	36.8445692957932	**Longitude:**	-76.3040668149845

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	48	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Curb inlet inaccessible due to construction zone. Pipe dimensions determined at downstream section.

NSA Portsmouth-24-410 Grid ID: G9

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	411	**Temperature (°F):**	80
Latitude:	36.8442803832503	**Longitude:**	-76.3033497132494

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	18	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-24-411 Grid ID: G10

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/27/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	412	**Temperature (°F):**	84
Latitude:	36.8445764509093	**Longitude:**	-76.3077613009822

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	24	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-24-412 Grid ID: G6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	413	**Temperature (°F):**	76
Latitude:	36.8457958546408	**Longitude:**	-76.304243610619

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-24-413 Grid ID: E9

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	414	**Temperature (°F):**	80
Latitude:	36.8448973650479	**Longitude:**	-76.3038633321996

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

3 inch pipe in bottom. Origin unknown.

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/11/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	1.72
Structure ID:	415	**Temperature (°F):**	80
Latitude:	36.8443796580152	**Longitude:**	-76.3039263058977

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-24-415 Grid ID: G9

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/17/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	416	**Temperature (°F):**	73
Latitude:	36.8448837047495	**Longitude:**	-76.3057236021175

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	48	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-24-416 Grid ID: G8

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/11/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	1.72
Structure ID:	417	**Temperature (°F):**	80
Latitude:	36.844572006729	**Longitude:**	-76.3039666833731

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	48	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Backwater from river

NSA Portsmouth-24-417 Grid ID: G9

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/2/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	418	**Temperature (°F):**	97
Latitude:	36.8456045571338	**Longitude:**	-76.3067313959836

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	8	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	Yes	**Flow Description:**	Moderate	

Comments / Recommendations:

None

NSA Portsmouth-24-418 Grid ID: E7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☑	☐ Brown ☑ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☐ Unlikely ☑ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/2/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	419	**Temperature (°F):**	97
Latitude:	36.8450075991531	**Longitude:**	-76.3061800558763

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	30	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	Yes	**Flow Description:**	Moderate	

Comments / Recommendations:

None

NSA Portsmouth-24-419 Grid ID: F7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/27/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	420	**Temperature (°F):**	82
Latitude:	36.84469374497	**Longitude:**	-76.3078944950876

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	24	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-24-420 Grid ID: G6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/2/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	421	**Temperature (°F):**	97
Latitude:	36.8451065106556	**Longitude:**	-76.3061563286747

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	18	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	Yes	**Flow Description:**	Moderate	

Comments / Recommendations:

None

NSA Portsmouth-24-421 Grid ID: F8

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☑	☐ Brown ☑ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☐ Unlikely ☑ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	422	**Temperature (°F):**	76
Latitude:	36.8460574067764	**Longitude:**	-76.3047847090337

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	30	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Water not flowing. Backwater from river. Pipe in photo on left is outlet. Pipes in photo on right discharge into the manhole.

NSA Portsmouth-24-422 Grid ID: E9

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/27/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	423	**Temperature (°F):**	82
Latitude:	36.8447207119389	**Longitude:**	-76.3078516014312

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-24-423 Grid ID: G6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/27/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	424	**Temperature (°F):**	84
Latitude:	36.84396729602	**Longitude:**	-76.3076611648791

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	18	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-24-424 Grid ID: H6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/27/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	425	**Temperature (°F):**	84
Latitude:	36.844397738871	**Longitude:**	-76.3075688629837

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	30	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-24-425 Grid ID: G6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	426	**Temperature (°F):**	80
Latitude:	36.8442721641446	**Longitude:**	-76.3033774532254

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-24-426 Grid ID: G10

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/2/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	427	**Temperature (°F):**	97
Latitude:	36.8439505234536	**Longitude:**	-76.3067063078344

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-24-427 Grid ID: H7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	428	**Temperature (°F):**	76
Latitude:	36.8464099142117	**Longitude:**	-76.3054789818825

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	18	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-24-428 Grid ID: D8

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	429	**Temperature (°F):**	74
Latitude:	36.8466092761584	**Longitude:**	-76.3052760012559

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	18	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-24-429 Grid ID: D8

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/11/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	1.72
Structure ID:	430	**Temperature (°F):**	80
Latitude:	36.8457079227618	**Longitude:**	-76.3070976804475

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	10	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	Yes	**Flow Description:**	Moderate	

Comments / Recommendations:

Stream flow is hot (can see some steam rising.) Small metal pipe appears to be discharging condensate from large steam line between drop inlet and power plant

NSA Portsmouth-24-430 Grid ID: E7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☑	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	431	**Temperature (°F):**	80
Latitude:	36.8443177721546	**Longitude:**	-76.3032692825904

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	18	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Upstream is dry. Downstream is outfall from river. This standing water appears to either be caught in a low area or may have slight seepage into pipes.

NSA Portsmouth-24-431 Grid ID: G10

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☑	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☑	☐ Brown ☑ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/10/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	1.72
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	3.05
Structure ID:	432	**Temperature (°F):**	None
Latitude:	36.8445765767151	**Longitude:**	-76.3053242677361

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	NA	NA	NA	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

This inlet is located in a construction zone. Unable to determine condition.

NSA Portsmouth-24-432 Grid ID: G8

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/17/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	433	**Temperature (°F):**	73
Latitude:	36.8450459488523	**Longitude:**	-76.304067486026

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	PVC	Circular	12	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-24-433 Grid ID: F9

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/2/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	434	**Temperature (°F):**	97
Latitude:	36.8448670042728	**Longitude:**	-76.306168905987

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** NA **Sediment:** Partially
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Clean sediment out of curb inlet.

NSA Portsmouth-24-434 Grid ID: G7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/11/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	1.72
Structure ID:	435	**Temperature (°F):**	80
Latitude:	36.8445963001883	**Longitude:**	-76.3048669506963

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Stain on wall noted. Appears to be caused by seepage.

NSA Portsmouth-24-435 Grid ID: G9

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/11/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	1.72
Structure ID:	436	**Temperature (°F):**	80
Latitude:	36.8445168347465	**Longitude:**	-76.3055503557268

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Photo to the right is located downstream, (DS). Pipe data determined from DS end. Unable to access curb inlet in construction zone.

NSA Portsmouth-24-436 Grid ID: G8

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/27/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	437	**Temperature (°F):**	86
Latitude:	36.8451507041212	**Longitude:**	-76.3082358135731

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	NA	Circular	8	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

NA

NSA Portsmouth-24-437 Grid ID: F6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

NSA Portsmouth-24-438 Grid ID: D9

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	438	**Temperature (°F):**	75
Latitude:	36.8464397337817	**Longitude:**	-76.3049499873679

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Unobservable	Unobservable	Unobservable	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Unable to lift grate with 2 crew members. Inlet appears shallow and dry.

NSA Portsmouth-24-438 Grid ID: D9

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/2/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	439	**Temperature (°F):**	97
Latitude:	36.84549009974	**Longitude:**	-76.3068551380157

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Unobservable	Unobservable	Unobservable	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Sediment bag in place

NSA Portsmouth-24-439 Grid ID: F7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/16/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	440	**Temperature (°F):**	82
Latitude:	36.8444809958692	**Longitude:**	-76.3056775886121

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	Unobservable	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Backwater from river noted.

NSA Portsmouth-24-440 Grid ID: G8

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/17/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	441	**Temperature (°F):**	70
Latitude:	36.8450891057199	**Longitude:**	-76.3065079041241

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	24	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-24-441 Grid ID: F7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	442	**Temperature (°F):**	76
Latitude:	36.8456200561999	**Longitude:**	-76.3043100706786

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	30	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Backwater from river

NSA Portsmouth-24-442 Grid ID: E9

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/11/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	1.72
Structure ID:	443	**Temperature (°F):**	80
Latitude:	36.8445174271126	**Longitude:**	-76.3052470674189

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	48	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Standing water at bottom of manhole. It appears to be tidally influenced by river.

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/2/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	444	**Temperature (°F):**	97
Latitude:	36.8453584709374	**Longitude:**	-76.3068013981005

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	24	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-24-444 Grid ID: F7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	10/6/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	445	**Temperature (°F):**	7
Latitude:	36.8440338370126	**Longitude:**	-76.3039489874603

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	18	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	Yes	**Flow Description:**	Trickle	

Comments / Recommendations:

None

NSA Portsmouth-24-445 Grid ID: H9

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	10/6/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	446	**Temperature (°F):**	0
Latitude:	36.8439007542506	**Longitude:**	-76.3041018735351

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Unobservable	Unobservable	Unobservable	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-24-446 Grid ID: H9

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	10/6/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	447	**Temperature (°F):**	70
Latitude:	36.8441540405521	**Longitude:**	-76.304123330694

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Unobservable	Unobservable	Unobservable	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-24-447 Grid ID: H9

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/2/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	448	**Temperature (°F):**	97
Latitude:	36.8452066887047	**Longitude:**	-76.306386982802

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	24	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	Yes	**Flow Description:**	Trickle	

Comments / Recommendations:

None

NSA Portsmouth-24-448 Grid ID: F7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☑	☐ Brown ☑ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☐ Unlikely ☑ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	449	**Temperature (°F):**	74
Latitude:	36.8467354487408	**Longitude:**	-76.3054631894998

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-24-449 Grid ID: D8

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/27/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	450	**Temperature (°F):**	82
Latitude:	36.8447252847917	**Longitude:**	-76.30869957872

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-24-450 Grid ID: G5

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

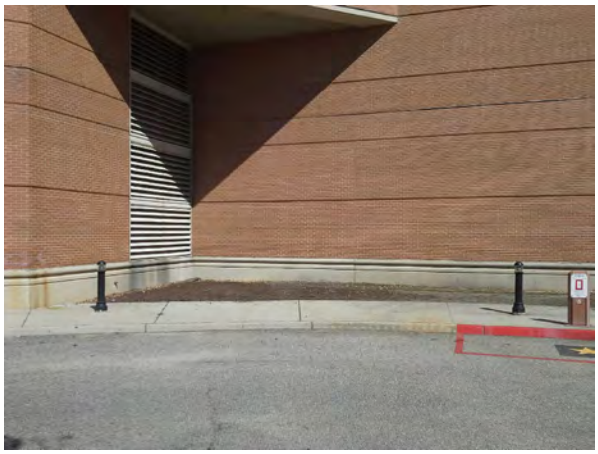
Subwatershed:	Elizabeth River	**Date:**	9/2/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	451	**Temperature (°F):**	97
Latitude:	36.845422683697	**Longitude:**	-76.306402411367

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	Yes	**Flow Description:**	Moderate	

Comments / Recommendations:

A temporary air handling unit was located near this curb inlet during initial inspection. At a follow-up visit, that unit was removed and curb inlet was dry.



NSA Portsmouth-24-451 Grid ID: F7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

NSA Portsmouth-24-451 Grid ID: F7

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/17/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	452	**Temperature (°F):**	70
Latitude:	36.8449026452752	**Longitude:**	-76.3058374797495

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-24-452 Grid ID: G8

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	453	**Temperature (°F):**	76
Latitude:	36.846015711213	**Longitude:**	-76.3045160714412

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-24-453 Grid ID: E9

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	454	**Temperature (°F):**	76
Latitude:	36.8457629882096	**Longitude:**	-76.3043333702821

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	18	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-24-454 Grid ID: E9

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/27/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	455	**Temperature (°F):**	84
Latitude:	36.844378806128	**Longitude:**	-76.3075953677761

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-24-455 Grid ID: G6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/27/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	456	**Temperature (°F):**	84
Latitude:	36.8441506718132	**Longitude:**	-76.3078557031387

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Sediment bag has torn. Needs to be removed and/or replaced.

NSA Portsmouth-24-456 Grid ID: H6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

NSA Portsmouth-24-457 Grid ID: G9

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/11/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	1.72
Structure ID:	457	**Temperature (°F):**	80
Latitude:	36.8445564420313	**Longitude:**	-76.3043841933677

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	48	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Musty odor

NSA Portsmouth-24-457 Grid ID: G9

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☑	☑ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/27/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	458	**Temperature (°F):**	82
Latitude:	36.8450446512632	**Longitude:**	-76.3082644913902

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	18	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-24-458 Grid ID: F6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☑	☑ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/11/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	1.72
Structure ID:	459	**Temperature (°F):**	80
Latitude:	36.8444443460654	**Longitude:**	-76.3054642001045

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** NA **Sediment:** Partially
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Water and debris from construction zone on Lenah Higbee St.

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/2/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	460	**Temperature (°F):**	97
Latitude:	36.845279838755	**Longitude:**	-76.3066164268986

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☐ **Closed Pipe**	RCP	Circular	12	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-24-460 Grid ID: F7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/27/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	461	**Temperature (°F):**	82
Latitude:	36.8447416452649	**Longitude:**	-76.3085268614369

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Concrete	Circular	10	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-24-461 Grid ID: G6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/27/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	462	**Temperature (°F):**	84
Latitude:	36.8443516420619	**Longitude:**	-76.3080759637582

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	<Null>	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-24-462 Grid ID: G6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Outfall	**Rainfall (in.) 48 hr:**	0
Structure ID:	463	**Temperature (°F):**	80
Latitude:	36.8448934909639	**Longitude:**	-76.3035516572202

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☐ **Closed Pipe**	NA	NA	NA	**Water:** NA **Sediment:** NA
☑ **Open Drainage**	Concrete	River	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Flared end section discharges directly to Elizabeth River.

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/11/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	1.72
Structure ID:	464	**Temperature (°F):**	80
Latitude:	36.8445347142804	**Longitude:**	-76.3048092492106

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	48	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Standing water at bottom of manhole.

NSA Portsmouth-24-464 Grid ID: G9

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	465	**Temperature (°F):**	76
Latitude:	36.8463595140007	**Longitude:**	-76.3051216473338

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	18	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-24-465 Grid ID: D8

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	466	**Temperature (°F):**	76
Latitude:	36.8455605026746	**Longitude:**	-76.3045275707752

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	Yes	**Flow Description:**	Trickle	

Comments / Recommendations:

None

NSA Portsmouth-24-466 Grid ID: E9

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/27/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	467	**Temperature (°F):**	82
Latitude:	36.8449690848097	**Longitude:**	-76.3081872308859

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	18	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-24-467 Grid ID: F6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/2/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	468	**Temperature (°F):**	97
Latitude:	36.8453569203067	**Longitude:**	-76.3068826839556

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	18	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-24-468 Grid ID: F7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☑	☑ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	469	**Temperature (°F):**	76
Latitude:	36.8460819700613	**Longitude:**	-76.3049465863462

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	24	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-24-469 Grid ID: E9

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	10/6/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	470	**Temperature (°F):**	70
Latitude:	36.8441626270255	**Longitude:**	-76.3041823392284

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Unobservable	Unobservable	Unobservable	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

This catch basin is in the construction zone. Geotextile fabric placed under grate to protect inlet.

NSA Portsmouth-24-470 Grid ID: H9

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	10/6/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	471	**Temperature (°F):**	70
Latitude:	36.8438943150925	**Longitude:**	-76.3041528349612

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Unobservable	Unobservable	Unobservable	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

This catch basin is in the construction zone. Geotextile fabric placed under grate to protect inlet.

NSA Portsmouth-24-471 Grid ID: H9

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

NSA Portsmouth-24-472 Grid ID: H9

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	10/6/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	472	**Temperature (°F):**	70
Latitude:	36.8438728502697	**Longitude:**	-76.3042896277177

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Unobservable	Unobservable	Unobservable	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

This catch basin is in the construction zone. Geotextile fabric placed under grate to protect inlet.

NSA Portsmouth-24-472 Grid ID: H9

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	10/6/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	473	**Temperature (°F):**	70
Latitude:	36.8443949395054	**Longitude:**	-76.3070479595948

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Steel	Circular	36	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-24-473 Grid ID: G7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	10/6/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	474	**Temperature (°F):**	70
Latitude:	36.844192677518	**Longitude:**	-76.30734466415

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Steel	Circular	30	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-24-474 Grid ID: H7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/11/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	1.72
Structure ID:	475	**Temperature (°F):**	80
Latitude:	36.8445257727168	**Longitude:**	-76.3050674501761

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	48	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	Yes	**Flow Description:**	Trickle	

Comments / Recommendations:

Clear trickle. This flow is from steam line condensate. Possibility of some flow from hoses in construction zone.

NSA Portsmouth-24-475 Grid ID: G8

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/16/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	476	**Temperature (°F):**	82
Latitude:	36.8444702333475	**Longitude:**	-76.3059606405716

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	48	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-24-476 Grid ID: G8

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/17/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	477	**Temperature (°F):**	73
Latitude:	36.8446726642586	**Longitude:**	-76.304465981381

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	10	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-24-477 Grid ID: G9

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	478	**Temperature (°F):**	80
Latitude:	36.8449521708424	**Longitude:**	-76.3037966448662

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

3 in metal pipe runs through bottom. Origin unknown.

NSA Portsmouth-24-478 Grid ID: F9

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	479	**Temperature (°F):**	74
Latitude:	36.8465592470167	**Longitude:**	-76.305675830609

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Cracked concrete noted in catch basin.

NSA Portsmouth-24-479 Grid ID: D8

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☑	☑ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☐ Unlikely ☑ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

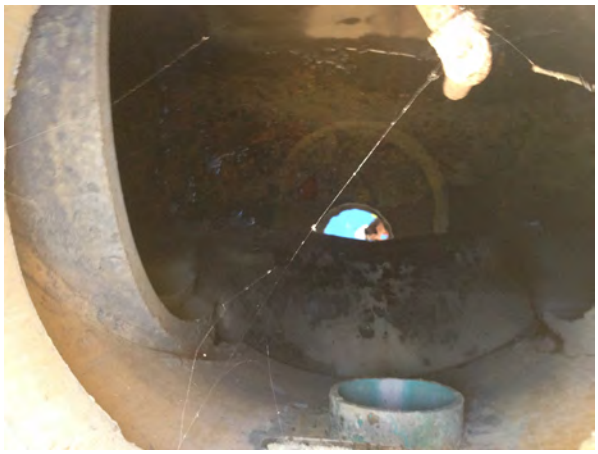
Subwatershed:	Elizabeth River	**Date:**	9/11/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	1.72
Structure ID:	480	**Temperature (°F):**	80
Latitude:	36.8445013491157	**Longitude:**	-76.30554870103

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	48	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None



NSA Portsmouth-24-480 Grid ID: G8

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

NSA Portsmouth-24-480 Grid ID: G8

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	481	**Temperature (°F):**	80
Latitude:	36.8446723529794	**Longitude:**	-76.303502595731

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	24	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Backwater from river. Wave action noted.

NSA Portsmouth-24-481 Grid ID: G10

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/18/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0.03
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	482	**Temperature (°F):**	73
Latitude:	36.8444525148302	**Longitude:**	-76.3055370480842

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** Partially **Sediment:** Partially
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Standing water. Appears to be some drainage from the construction zone.

NSA Portsmouth-24-482 Grid ID: G8

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/17/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	483	**Temperature (°F):**	70
Latitude:	36.8450374688732	**Longitude:**	-76.305900112986

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	48	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-24-483 Grid ID: F8

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	484	**Temperature (°F):**	76
Latitude:	36.8458791316829	**Longitude:**	-76.3045881100388

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	30	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Water movement appears to be related to wave action in river

NSA Portsmouth-24-484 Grid ID: E9

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☑	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/17/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	485	**Temperature (°F):**	73
Latitude:	36.8448244180769	**Longitude:**	-76.3040011193912

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	48	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Backwater from river. Wave action noted.

NSA Portsmouth-24-485 Grid ID: G9

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	486	**Temperature (°F):**	80
Latitude:	36.8448227157501	**Longitude:**	-76.3036320923708

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	48	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Backwater from river.

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☑	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	10/6/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	None
Type:	Manhole	**Rainfall (in.) 48 hr:**	None
Structure ID:	487	**Temperature (°F):**	None
Latitude:	36.8445882464614	**Longitude:**	-76.3067661841413

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☐ **Closed Pipe**	NA	NA	NA	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-24-487 Grid ID: G7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	10/6/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	488	**Temperature (°F):**	70
Latitude:	36.8442110215331	**Longitude:**	-76.3063154265998

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Steel	Circular	30	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

This manhole is in the parking garage. Flow most likely from upper deck or possibly inflow and infiltration.

NSA Portsmouth-24-488 Grid ID: H7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	10/6/2014
Outfall ID:	24	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	489	**Temperature (°F):**	70
Latitude:	36.8435819861584	**Longitude:**	-76.3072683558599

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	18	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-24-489 Grid ID: I7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	25	**Rainfall (in.) 24 hr:**	0
Type:	Outfall	**Rainfall (in.) 48 hr:**	0
Structure ID:	490	**Temperature (°F):**	80
Latitude:	36.8447100903532	**Longitude:**	-76.3033660131802

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☐ **Closed Pipe**	NA	NA	NA	**Water:** NA **Sediment:** NA
☑ **Open Drainage**	Pvc Over Rip Rap	Circular	4	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

PVC pipe discharges directly onto rip rap along Elizabeth River.

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	26	**Rainfall (in.) 24 hr:**	0
Type:	Outfall	**Rainfall (in.) 48 hr:**	0
Structure ID:	491	**Temperature (°F):**	80
Latitude:	36.8443449412649	**Longitude:**	-76.3030257663849

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☐ **Closed Pipe**	NA	NA	NA	**Water:** NA **Sediment:** NA
☑ **Open Drainage**	rip-rap	River	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Outfall discharges directly through wall onto rip rap along Elizabeth River.

NSA Portsmouth-26-491 Grid ID: G10

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	26	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	492	**Temperature (°F):**	80
Latitude:	36.8443343347237	**Longitude:**	-76.3030527266232

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	PVC	Circular	10	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Water from river.

NSA Portsmouth-26-492 Grid ID: G10

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	27	**Rainfall (in.) 24 hr:**	0
Type:	Outfall	**Rainfall (in.) 48 hr:**	0
Structure ID:	493	**Temperature (°F):**	80
Latitude:	36.8441836403015	**Longitude:**	-76.3028961502692

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☐ **Closed Pipe**	NA	NA	NA	**Water:** NA **Sediment:** NA
☑ **Open Drainage**	Concrete	River	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Outfall discharges directly through wall onto rip rap along Elizabeth River.

NSA Portsmouth-27-493 Grid ID: H10

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	27	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	494	**Temperature (°F):**	80
Latitude:	36.8441714988989	**Longitude:**	-76.3029233647307

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Backwater from the river noted in the catch basin.

NSA Portsmouth-27-494 Grid ID: H10

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☑	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	28	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	495	**Temperature (°F):**	80
Latitude:	36.8438380549295	**Longitude:**	-76.3026903740854

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** Fully **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Backwater from river.

NSA Portsmouth-28-495 Grid ID: H10

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

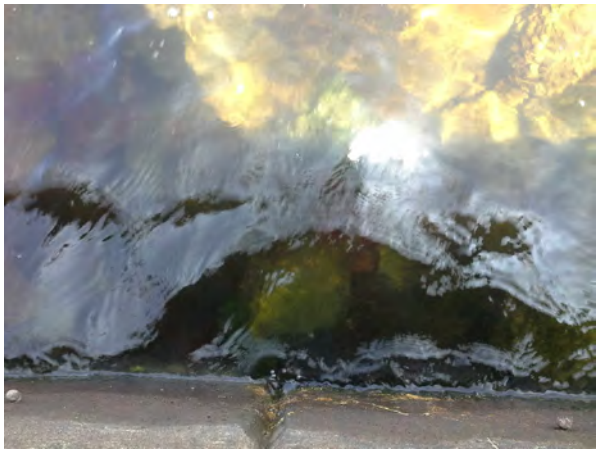
Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	28	**Rainfall (in.) 24 hr:**	0
Type:	Outfall	**Rainfall (in.) 48 hr:**	0
Structure ID:	496	**Temperature (°F):**	80
Latitude:	36.8438484379625	**Longitude:**	-76.302661772625

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☐ **Closed Pipe**	NA	NA	NA	**Water:** NA **Sediment:** NA
☑ **Open Drainage**	rip-rap	River	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None



NSA Portsmouth-28-496 Grid ID: H10

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	29	**Rainfall (in.) 24 hr:**	0
Type:	Outfall	**Rainfall (in.) 48 hr:**	0
Structure ID:	497	**Temperature (°F):**	80
Latitude:	36.8436855227429	**Longitude:**	-76.302577446871

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☐ **Closed Pipe**	NA	NA	NA	**Water:** NA **Sediment:** NA
☑ **Open Drainage**	Concrete	Square	6	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

This feature is no longer connected to drainage system. It appears to be a remnant outfall feature.

NSA Portsmouth-29-497 Grid ID: H10

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	30	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	498	**Temperature (°F):**	80
Latitude:	36.8435550338847	**Longitude:**	-76.3027997331914

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	PVC	Circular	8	**Water:** Fully **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Backwater from river noted.

NSA Portsmouth-30-498 Grid ID: I10

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☑	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	30	**Rainfall (in.) 24 hr:**	0
Type:	Outfall	**Rainfall (in.) 48 hr:**	0
Structure ID:	499	**Temperature (°F):**	80
Latitude:	36.8435363086952	**Longitude:**	-76.3027951410037

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☐ **Closed Pipe**	NA	NA	NA	**Water:** Fully **Sediment:** NA
☑ **Open Drainage**	Pvc Under Rip Rap	Circular	8	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Outlet is submerged under rip rap in the river

NSA Portsmouth-30-499 Grid ID: I10

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/10/2014
Outfall ID:	31	**Rainfall (in.) 24 hr:**	1.72
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	3.05
Structure ID:	500	**Temperature (°F):**	None
Latitude:	36.8440270190077	**Longitude:**	-76.3043596999031

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☐ **Closed Pipe**	NA	NA	NA	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Catch basin is located under plywood boards in construction zone. Unable to access.

NSA Portsmouth-31-500 Grid ID: H9

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	31	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	501	**Temperature (°F):**	80
Latitude:	36.8434820928222	**Longitude:**	-76.3036786412721

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Unobservable	Unobservable	Unobservable	**Water:** Fully **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Backwater from river has submerged the pipe

NSA Portsmouth-31-501 Grid ID: I10

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/11/2014
Outfall ID:	31	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	1.72
Structure ID:	502	**Temperature (°F):**	83
Latitude:	36.8436710268675	**Longitude:**	-76.303900490113

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	Unobservable	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	Yes	**Flow Description:**	Trickle	

Comments / Recommendations:

Backwater from river. Manhole located in construction zone.

NSA Portsmouth-31-502 Grid ID: H9

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/17/2014
Outfall ID:	31	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	503	**Temperature (°F):**	73
Latitude:	36.8438658388672	**Longitude:**	-76.3031357884476

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-31-503 Grid ID: H10

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/11/2014
Outfall ID:	31	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	1.72
Structure ID:	504	**Temperature (°F):**	80
Latitude:	36.844020223288	**Longitude:**	-76.3045026200682

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Unobservable	Unobservable	Unobservable	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Sediment bag

NSA Portsmouth-31-504 Grid ID: H9

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/17/2014
Outfall ID:	31	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	505	**Temperature (°F):**	73
Latitude:	36.8438337889928	**Longitude:**	-76.3032349040645

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Flow believed to be inflow and infiltration. No flow from upstream curb inlets and standing water in downstream drop inlet.

NSA Portsmouth-31-505 Grid ID: H10

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☑	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☑	☐ Brown ☑ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

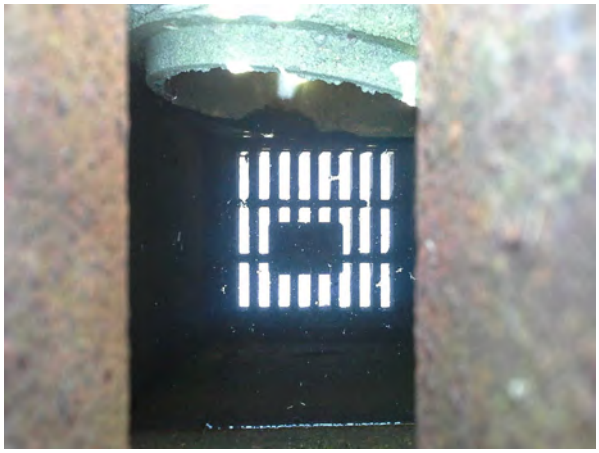
Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	31	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	506	**Temperature (°F):**	80
Latitude:	36.8434095420536	**Longitude:**	-76.3032796302842

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	18	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None



NSA Portsmouth-31-506 Grid ID: I10

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/17/2014
Outfall ID:	31	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	507	**Temperature (°F):**	73
Latitude:	36.8438537987787	**Longitude:**	-76.303215336961

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

No flow from upstream curb inlet. Flow believed to be inflow and infiltration.

NSA Portsmouth-31-507 Grid ID: H10

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☑	☐ Brown ☑ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/29/2014
Outfall ID:	31	**Rainfall (in.) 24 hr:**	0
Type:	Outfall	**Rainfall (in.) 48 hr:**	0
Structure ID:	508	**Temperature (°F):**	80
Latitude:	36.8433982121678	**Longitude:**	-76.3031259411155

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☐ **Closed Pipe**	NA	NA	NA	**Water:** NA **Sediment:** NA
☑ **Open Drainage**	Steel	Circular	12	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Outfall only visable during low tide.

NSA Portsmouth-31-508 Grid ID: I10

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/17/2014
Outfall ID:	31	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	509	**Temperature (°F):**	73
Latitude:	36.8438584938958	**Longitude:**	-76.3030428235955

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** Fully **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Standing water

NSA Portsmouth-31-509 Grid ID: H10

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/10/2014
Outfall ID:	31	**Rainfall (in.) 24 hr:**	1.72
Type:	Manhole	**Rainfall (in.) 48 hr:**	3.05
Structure ID:	510	**Temperature (°F):**	None
Latitude:	36.8436577603066	**Longitude:**	-76.3045765460262

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☐ **Closed Pipe**	NA	NA	NA	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

MH located in construction zone. Unable to access.

NSA Portsmouth-31-510 Grid ID: H9

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/2/2014
Outfall ID:	32	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	511	**Temperature (°F):**	97
Latitude:	36.8430625887022	**Longitude:**	-76.3032512551993

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Unobservable	Unobservable	Unobservable	**Water:** Fully **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	Yes	**Flow Description:**	Substantial	

Comments / Recommendations:

Backwater from riverm noted below grate inlet.

NSA Portsmouth-32-511 Grid ID: I10

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	10/6/2014
Outfall ID:	32	**Rainfall (in.) 24 hr:**	0
Type:	Outfall	**Rainfall (in.) 48 hr:**	0
Structure ID:	512	**Temperature (°F):**	70
Latitude:	36.8430728108059	**Longitude:**	-76.3030794883338

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☐ **Closed Pipe**	NA	NA	NA	**Water:** NA **Sediment:** NA
☑ **Open Drainage**	Unobservable	Unobservable	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-32-512 Grid ID: I10

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/27/2014
Outfall ID:	33	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	513	**Temperature (°F):**	86
Latitude:	36.8440349103235	**Longitude:**	-76.3090143394124

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-33-513 Grid ID: H5

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

NSA Portsmouth-33-514 Grid ID: J7

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/27/2014
Outfall ID:	33	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	514	**Temperature (°F):**	86
Latitude:	36.8428656416607	**Longitude:**	-76.3072733729507

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	24	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Remove vegetative growth inside rim before it causes severe damage to masonry.

NSA Portsmouth-33-514 Grid ID: J7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☑	☑ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	NA
Outfall ID:	33	**Rainfall (in.) 24 hr:**	None
Type:	Outfall	**Rainfall (in.) 48 hr:**	None
Structure ID:	515	**Temperature (°F):**	None
Latitude:	36.8430555261832	**Longitude:**	-76.3030750389782

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☐ **Closed Pipe**	NA	NA	NA	**Water:** NA **Sediment:** NA
☑ **Open Drainage**	rip-rap	Unobservable	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Could not physically locate Outfall

NSA Portsmouth-33-515 Grid ID: I10

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

NSA Portsmouth-33-516 Grid ID: I9

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/2/2014
Outfall ID:	33	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	516	**Temperature (°F):**	97
Latitude:	36.8429881633494	**Longitude:**	-76.3045912298878

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Unobservable	Unobservable	Unobservable	**Water:** Fully **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Oily sheen appears to originate in construction zone by John Paul Jones Circle

NSA Portsmouth-33-516 Grid ID: I9

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☑	☐ Odors ☐ Colors ☐ Floatables ☑ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/2/2014
Outfall ID:	33	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	517	**Temperature (°F):**	97
Latitude:	36.8424460212899	**Longitude:**	-76.3054980082002

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Unobservable	Unobservable	Unobservable	**Water:** Fully **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Standing water in drop inlet.

NSA Portsmouth-33-517 Grid ID: J8

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/11/2014
Outfall ID:	33	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	1.72
Structure ID:	518	**Temperature (°F):**	83
Latitude:	36.8431929547493	**Longitude:**	-76.3050204512188

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☐ **Closed Pipe**	RCP	Circular	12	**Water:** NA **Sediment:** Partially
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Clean sediment out of the inlet.

NSA Portsmouth-33-518 Grid ID: I8

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/27/2014
Outfall ID:	33	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	519	**Temperature (°F):**	86
Latitude:	36.8429756112621	**Longitude:**	-76.3066792406966

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	24	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-33-519 Grid ID: I7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/11/2014
Outfall ID:	33	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	1.72
Structure ID:	520	**Temperature (°F):**	80
Latitude:	36.8432843021507	**Longitude:**	-76.304934285715

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Light oily sheen. Manhole located in construction zone. Oil sheen not noted in structures upstream of construction zone.

NSA Portsmouth-33-520 Grid ID: I9

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☑	☐ Odors ☐ Colors ☐ Floatables ☑ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

NSA Portsmouth-33-521 Grid ID: I5

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/27/2014
Outfall ID:	33	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	521	**Temperature (°F):**	86
Latitude:	36.8431045662485	**Longitude:**	-76.3089486456157

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	18	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Broken grate needs to be replaced.

NSA Portsmouth-33-521 Grid ID: I5

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/11/2014
Outfall ID:	33	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	1.72
Structure ID:	522	**Temperature (°F):**	83
Latitude:	36.8432425051476	**Longitude:**	-76.3042862491539

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	10	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-33-522 Grid ID: I9

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☑	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☑ Other: None
Pipe benthic growth	☑	☐ Brown ☑ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☐ Unlikely ☑ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/16/2014
Outfall ID:	33	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	523	**Temperature (°F):**	82
Latitude:	36.8437460619001	**Longitude:**	-76.3060882633256

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** NA **Sediment:** Partially
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Grate is cracked. Recommend replacement.

NSA Portsmouth-33-523 Grid ID: H8

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☑	☑ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☑ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/16/2014
Outfall ID:	33	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	524	**Temperature (°F):**	82
Latitude:	36.8432173241317	**Longitude:**	-76.3065668183354

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	24	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Sediment noted below inflow pipe. Outflow pipe is clear and partially submerged in water.

NSA Portsmouth-33-524 Grid ID: I7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/2/2014
Outfall ID:	33	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	525	**Temperature (°F):**	97
Latitude:	36.8426769047631	**Longitude:**	-76.3051113813868

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Unobservable	Unobservable	Unobservable	**Water:** Fully **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Standing water in drop inlet.

NSA Portsmouth-33-525 Grid ID: J8

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/17/2014
Outfall ID:	33	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	526	**Temperature (°F):**	73
Latitude:	36.8432315210295	**Longitude:**	-76.304046797825

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-33-526 Grid ID: I9

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/17/2014
Outfall ID:	33	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	527	**Temperature (°F):**	73
Latitude:	36.8423304498878	**Longitude:**	-76.3057648985695

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Unobservable	Unobservable	Unobservable	**Water:** Fully **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Water and sediment, full to cover, unable to remove lid

NSA Portsmouth-33-527 Grid ID: J8

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/17/2014
Outfall ID:	33	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	528	**Temperature (°F):**	70
Latitude:	36.8438182263016	**Longitude:**	-76.3087010429739

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	18	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Sediment bag needs maintenance.

NSA Portsmouth-33-528 Grid ID: H5

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

NSA Portsmouth-33-528 Grid ID: H5

NSA Portsmouth-33-529 Grid ID: H8

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/16/2014
Outfall ID:	33	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	529	**Temperature (°F):**	82
Latitude:	36.8437990353308	**Longitude:**	-76.3056839603624

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	30	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Standing water

NSA Portsmouth-33-529 Grid ID: H8

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/17/2014
Outfall ID:	33	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	530	**Temperature (°F):**	70
Latitude:	36.8423949721652	**Longitude:**	-76.3055985458502

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Unobservable	Unobservable	Unobservable	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Clean out drop inlet.

NSA Portsmouth-33-530 Grid ID: J8

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/27/2014
Outfall ID:	33	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	531	**Temperature (°F):**	86
Latitude:	36.8433050992784	**Longitude:**	-76.3086200544612

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	18	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-33-531 Grid ID: I5

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/27/2014
Outfall ID:	33	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	532	**Temperature (°F):**	84
Latitude:	36.8439029059084	**Longitude:**	-76.308213059247

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-33-532 Grid ID: H6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/2/2014
Outfall ID:	33	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	533	**Temperature (°F):**	97
Latitude:	36.8424706288695	**Longitude:**	-76.3055077028188

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Unobservable	Unobservable	Unobservable	**Water:** Fully **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Backwater from river

NSA Portsmouth-33-533 Grid ID: J8

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/16/2014
Outfall ID:	33	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	534	**Temperature (°F):**	82
Latitude:	36.8439509238788	**Longitude:**	-76.3059142461804

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	10	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-33-534 Grid ID: H8

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/27/2014
Outfall ID:	33	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	535	**Temperature (°F):**	86
Latitude:	36.8429106257801	**Longitude:**	-76.3070919393145

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	24	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Remove vegetation at inlet.

NSA Portsmouth-33-535 Grid ID: J7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☑	☑ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/16/2014
Outfall ID:	33	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	536	**Temperature (°F):**	82
Latitude:	36.8433120747872	**Longitude:**	-76.3063161677099

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-33-536 Grid ID: I7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/2/2014
Outfall ID:	33	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	537	**Temperature (°F):**	0
Latitude:	36.8431377271351	**Longitude:**	-76.3051162852899

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** NA **Sediment:** Partially
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-33-537 Grid ID: I8

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☑	☑ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/16/2014
Outfall ID:	33	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	538	**Temperature (°F):**	82
Latitude:	36.8439531208257	**Longitude:**	-76.3055961186023

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Standing water.

NSA Portsmouth-33-538 Grid ID: H8

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

NSA Portsmouth-33-539 Grid ID: I9

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/2/2014
Outfall ID:	33	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	539	**Temperature (°F):**	97
Latitude:	36.8430163329291	**Longitude:**	-76.3040020958599

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Unobservable	Unobservable	Unobservable	**Water:** Fully **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Backwater from river.

NSA Portsmouth-33-539 Grid ID: I9

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☑	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/27/2014
Outfall ID:	33	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	540	**Temperature (°F):**	72
Latitude:	36.8450871172825	**Longitude:**	-76.3094131258215

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☐ **Closed Pipe**	NA	NA	NA	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Demoed manhole. Abandoned in place (Building demoed)

NSA Portsmouth-33-540 Grid ID: F5

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/27/2014
Outfall ID:	33	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	541	**Temperature (°F):**	86
Latitude:	36.842798438257	**Longitude:**	-76.3066681069769

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	24	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-33-541 Grid ID: J7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☑	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☑ Sulfide ☐ Other:	Faint
Color	☑	☑ Clear ☐ Brown ☑ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☐ Unlikely ☑ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/27/2014
Outfall ID:	33	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	542	**Temperature (°F):**	84
Latitude:	36.8435084592177	**Longitude:**	-76.3083638037381

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	18	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Inflow and infiltration noted through crack in concrete at bottom of curb inlet. Water in parking lot is from fire hydrant flowing.

NSA Portsmouth-33-542 Grid ID: I6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☑	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	10/6/2014
Outfall ID:	33	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	543	**Temperature (°F):**	70
Latitude:	36.8438827250379	**Longitude:**	-76.3058625499324

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Standing water in the bottom. Material floating fell in when manhole was removed.

NSA Portsmouth-33-543 Grid ID: H8

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

NSA Portsmouth-33-543 Grid ID: H8

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/16/2014
Outfall ID:	33	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	544	**Temperature (°F):**	82
Latitude:	36.8439487319642	**Longitude:**	-76.3056976417041

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Steel	Circular	<Null>	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-33-544 Grid ID: H8

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/27/2014
Outfall ID:	33	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	545	**Temperature (°F):**	86
Latitude:	36.8429246660134	**Longitude:**	-76.3079732476937

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	24	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	Yes	**Flow Description:**	Trickle	

Comments / Recommendations:

Flow out of bioretention areas comes through this curb inlet.

NSA Portsmouth-33-545 Grid ID: J6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☑	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/17/2014
Outfall ID:	33	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	546	**Temperature (°F):**	73
Latitude:	36.8423684673548	**Longitude:**	-76.3059113661816

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Unobservable	Unobservable	Unobservable	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Needs to be replaced. Cracked. Did not remove.

NSA Portsmouth-33-546 Grid ID: J8

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/11/2014
Outfall ID:	33	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	1.72
Structure ID:	547	**Temperature (°F):**	83
Latitude:	36.8431617931577	**Longitude:**	-76.3046476881051

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	Yes	**Flow Description:**	Trickle	

Comments / Recommendations:

None

NSA Portsmouth-33-547 Grid ID: I9

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☑	☑ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/11/2014
Outfall ID:	33	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	1.72
Structure ID:	548	**Temperature (°F):**	83
Latitude:	36.8431899741759	**Longitude:**	-76.3048666623371

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-33-548 Grid ID: I9

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/16/2014
Outfall ID:	33	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	549	**Temperature (°F):**	82
Latitude:	36.843610522158	**Longitude:**	-76.3063110266515

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** NA **Sediment:** Partially
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Mossy growth indicative of some seepage in masonry.

NSA Portsmouth-33-549 Grid ID: I7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☑	☑ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/27/2014
Outfall ID:	33	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	550	**Temperature (°F):**	86
Latitude:	36.8440958503474	**Longitude:**	-76.3089638055844

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	PVC	Circular	12	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-33-550 Grid ID: H5

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/10/2014
Outfall ID:	33	**Rainfall (in.) 24 hr:**	1.72
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	3.05
Structure ID:	551	**Temperature (°F):**	None
Latitude:	36.8432074938495	**Longitude:**	-76.304438224337

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Curb inlet located in construction zone. Unable to determine condition. Observved from downstream data.

NSA Portsmouth-33-551 Grid ID: I9

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/27/2014
Outfall ID:	33	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	552	**Temperature (°F):**	84
Latitude:	36.8431496947272	**Longitude:**	-76.3082832787561

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	18	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-33-552 Grid ID: I6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/27/2014
Outfall ID:	33	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	553	**Temperature (°F):**	86
Latitude:	36.8425286053569	**Longitude:**	-76.3066041388439

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Unobservable	Unobservable	Unobservable	**Water:** Fully **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Unable to lift grate. Standing water noted.

NSA Portsmouth-33-553 Grid ID: J7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/27/2014
Outfall ID:	33	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	554	**Temperature (°F):**	86
Latitude:	36.8429929987063	**Longitude:**	-76.3069309800802

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	24	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Remove woody vegetation from curb inlet.

NSA Portsmouth-33-554 Grid ID: I7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☑	☑ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

NSA Portsmouth-33-555 Grid ID: I9

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/2/2014
Outfall ID:	33	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	555	**Temperature (°F):**	97
Latitude:	36.843080536872	**Longitude:**	-76.3046414627802

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Oil sheen. This curb inlet is receiving flow from construction zone where sheen originates.

NSA Portsmouth-33-555 Grid ID: I9

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☑	☐ Odors ☐ Colors ☐ Floatables ☑ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

NSA Portsmouth-33-556 Grid ID: J8

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/17/2014
Outfall ID:	33	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	556	**Temperature (°F):**	73
Latitude:	36.8424377638847	**Longitude:**	-76.3058704443271

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Clean trash out of curb inlet.

NSA Portsmouth-33-556 Grid ID: J8

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/16/2014
Outfall ID:	33	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	557	**Temperature (°F):**	82
Latitude:	36.843694370948	**Longitude:**	-76.3055158020294

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	30	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-33-557 Grid ID: H8

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

NSA Portsmouth-33-558 Grid ID: I6

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/27/2014
Outfall ID:	33	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	558	**Temperature (°F):**	86
Latitude:	36.8430599927377	**Longitude:**	-76.3080126549885

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	18	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-33-558 Grid ID: I6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/16/2014
Outfall ID:	33	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	559	**Temperature (°F):**	82
Latitude:	36.8432121329319	**Longitude:**	-76.3064271895975

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

NSA Portsmouth-33-559 Grid ID: I7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/27/2014
Outfall ID:	33	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	560	**Temperature (°F):**	84
Latitude:	36.8434096060357	**Longitude:**	-76.308385560036

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	18	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

This is an elevated inlet in a bioretention area.

NSA Portsmouth-33-560 Grid ID: I6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

NSA Portsmouth-33-561 Grid ID: I7

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/16/2014
Outfall ID:	33	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	561	**Temperature (°F):**	82
Latitude:	36.8431503431784	**Longitude:**	-76.3073043405735

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Unobservable	Unobservable	Unobservable	**Water:** Unobservable **Sediment:** Unobservable
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Sediment bag obstructing view. Unable to lift grate.

NSA Portsmouth-33-561 Grid ID: I7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

NSA Portsmouth-33-562 Grid ID: J6

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	8/27/2014
Outfall ID:	33	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	562	**Temperature (°F):**	86
Latitude:	36.8428794403496	**Longitude:**	-76.3076383916883

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Unobservable	Unobservable	Unobservable	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Sediment bag is full. Maintenance needed.

NSA Portsmouth-33-562 Grid ID: J6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/17/2014
Outfall ID:	33	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	563	**Temperature (°F):**	73
Latitude:	36.843163194301	**Longitude:**	-76.3040073141734

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Standing water

NSA Portsmouth-33-563 Grid ID: I9

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

NSA Portsmouth-33-564 Grid ID: J7

Illicit Discharge Summary Report

Subwatershed:	Elizabeth River	**Date:**	9/16/2014
Outfall ID:	33	**Rainfall (in.) 24 hr:**	0
Type:	Catch Basin	**Rainfall (in.) 48 hr:**	0
Structure ID:	564	**Temperature (°F):**	82
Latitude:	36.8424537323223	**Longitude:**	-76.3062718151893

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Unobservable	Unobservable	Unobservable	**Water:** Fully **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

unable to remove grate.

NSA Portsmouth-33-564 Grid ID: J7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Appendix C – Outfall Screening Data for Scott Center Annex

Scott Center Annex

Executive Summary

An illicit discharge source investigation was performed at Scott Center Annex during site visits between late August and early October. During the illicit discharge survey, teams used a digital version of the Environmental Protection Agency's *Outfall Reconnaissance Inventory/Sample Collection Field Sheet*. Using sections 1, 2, 4, 5, and 6, the teams documented characteristics for each unobstructed access point. This process allowed for suspected illicit discharge problems, if any, to be traced upstream to their source.

In addition to the illicit discharge source investigation, updates were also made to the stormwater map. The most significant change on site since the map was last updated is the construction of a new commissary and stormwater quality pond. As a result of the change in drainage pattern around the commissary, Outfall 01 is now sheet runoff only. There is a manhole in this drainage area that has been abandoned in place. Water in this structure is stagnant and of poor quality. Stormwater from behind the commissary is now routed to the water quality pond next to the commissary. Stormwater from the road around the ball field is routed to a manhole between the ball fields and then it drains south to Outfall 02.

Several sources of flow were noted entering the storm drain system in Outfall 02, Outfall 03, and Outfall 08.

Outfall 02
In the alley between the old commissary (building 350) and the Navy Exchange (building 1560) an air conditioning condensate line discharges into the drop inlet. This is located at the top of the drainage area for Outfall 02. Along another branch of that drainage system, also at the top of the drainage area, there is a line draining from behind the ice maker at the gas station that discharges into a manhole in the parking lot. Further down the storm drain system for Outfall 02 there is a steam condensate line that discharges into a curb inlet along Andrews Street. This flows south across Andrews Street then west to a manhole at the northern end of the parking area for the new commissary. In the grassy area south of the parking lot for the new commissary, discharge from the water quality pond is released into a manhole. All four of these affect flow in the storm drain to outfall 02. Most of the water in the structures along this line appears to have standing water. There may be a trickle of additional flow, but it is not visible except in the manhole receiving discharge from the water quality pond. It is also noteworthy that an oil sheen that originates beneath a drop inlet in the parking lot at the Strike Zone Bowling Alley (building 1487) is visible in at least four downstream manholes.

Outfall 03
There is a steam line behind the old commissary that appears to discharge into a catch basin behind the now vacant building 350. This line drains to the west behind the Navy Exchange (building 1560) before turning south into the parking lot that runs beside the garden center at the Navy Exchange. Flow seems to increase in the manhole in the parking lot between the Navy Exchange and MWR (building 1559). There is no obvious source other than the water used in the garden center to keep plant material healthy. There is potential for inflow and infiltration if this source of water seeps into the ground.

Outfall 08

Between the first curb inlet at the top of the drainage area and the next manhole downstream, water enters the storm drain line to Outfall 08. The source of this appears to be the new water tank and associated piping, which were constructed north of the commissary for fire fighting.

The discharges noted were all clean water, whether air conditioning condensate, steam line condensate, discharge from an ice machine, roof drainage, or inflow and infiltration.

Also noted during the inspections were features that need maintenance. Maintenance includes removing sediment, trash and debris; replacing a manhole cover or storm drain grate; removing abnormal vegetative growth, and removing temporary erosion control measures.

Interior maintenance is recommended at: 2-20, 2-36, 2-54, 5-163, 5-170, and 8-201.

Exterior maintenance is recommended at: 2-14, 2-19, 3-125, 5-192, and 5-193.

Scott Center Annex-1-1 Grid ID: H7

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/17/2014
Outfall ID:	1	**Rainfall (in.) 24 hr:**	0
Type:	Outfall	**Rainfall (in.) 48 hr:**	0
Structure ID:	1	**Temperature (°F):**	73
Latitude:	36.8066596099898	**Longitude:**	-76.3107021381857

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☐ **Closed Pipe**	NA	NA	NA	**Water:** NA **Sediment:** NA
☑ **Open Drainage**	Unobservable	Unobservable	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-1-1 Grid ID: H7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-1-2 Grid ID: H7

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/17/2014
Outfall ID:	1	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	2	**Temperature (°F):**	73
Latitude:	36.8069854510576	**Longitude:**	-76.3105015910951

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Unobservable	Unobservable	Unobservable	**Water:** Fully **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

This manhole is abandoned in place in the storage lot for RVs and boats. Water in this feature is stagnant.

Scott Center Annex-1-2 Grid ID: H7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☑	☐ Odors ☐ Colors ☐ Floatables ☑ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-3 Grid ID: G6

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/10/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	1.72
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	3.05
Structure ID:	3	**Temperature (°F):**	80
Latitude:	36.8077409199684	**Longitude:**	-76.3109755233744

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Unobservable	Unobservable	Unobservable	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Containment fabric is present directly under grate. Manhole has been abandon in place

Scott Center Annex-2-3 Grid ID: G6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-4 Grid ID: F5

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/4/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	4	**Temperature (°F):**	88
Latitude:	36.8082724245626	**Longitude:**	-76.3123987709914

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	36	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Oily sheen

Scott Center Annex-2-4 Grid ID: F5

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☑	☐ Odors ☐ Colors ☐ Floatables ☑ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-5 Grid ID: G4

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/4/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	5	**Temperature (°F):**	88
Latitude:	36.8077595618575	**Longitude:**	-76.3130135546157

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	36	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Standing water.

Scott Center Annex-2-5 Grid ID: G4

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☑	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☑ Other: Turbidity
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-6 Grid ID: E3

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/3/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	6	**Temperature (°F):**	84
Latitude:	36.8089344577799	**Longitude:**	-76.3140985649686

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	18	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-2-6 Grid ID: E3

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-7 Grid ID: G4

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/11/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Outfall	**Rainfall (in.) 48 hr:**	1.72
Structure ID:	7	**Temperature (°F):**	85
Latitude:	36.8075487713753	**Longitude:**	-76.3132803497635

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☐ **Closed Pipe**	NA	NA	NA	**Water:** NA **Sediment:** NA
☑ **Open Drainage**	Unobservable	Unobservable	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-2-7 Grid ID: G4

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-8 Grid ID: D2

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/3/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	8	**Temperature (°F):**	80
Latitude:	36.8094924408108	**Longitude:**	-76.3146605941295

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	24	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-2-8 Grid ID: D2

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-9 Grid ID: C8

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/3/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	9	**Temperature (°F):**	80
Latitude:	36.8106251838997	**Longitude:**	-76.3100415126341

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Terracotta	Circular	12	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	Yes	**Flow Description:**	Trickle	

Comments / Recommendations:

Small discharge pipe at top of photo on the left appears to drain the ice machine outside the gas station.

Scott Center Annex-2-9 Grid ID: C8

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☑	☐ Brown ☑ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-10 Grid ID: C7

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/4/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	10	**Temperature (°F):**	85
Latitude:	36.8101633299467	**Longitude:**	-76.310491230825

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	10	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Standing water.

Scott Center Annex-2-10 Grid ID: C7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-11 Grid ID: D7

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/4/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	11	**Temperature (°F):**	80
Latitude:	36.8100812388435	**Longitude:**	-76.3106482752012

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Standing water.

Scott Center Annex-2-11 Grid ID: D7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-12 Grid ID: C6

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/4/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	12	**Temperature (°F):**	80
Latitude:	36.8101561917498	**Longitude:**	-76.3110801483589

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-2-12 Grid ID: C6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☑	☐ Brown ☑ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☐ Unlikely ☑ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-13 Grid ID: D7

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/4/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	13	**Temperature (°F):**	80
Latitude:	36.8100241317496	**Longitude:**	-76.3108909802281

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Terracotta	Circular	12	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-2-13 Grid ID: D7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-14 Grid ID: C6

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/11/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	1.72
Structure ID:	14	**Temperature (°F):**	80
Latitude:	36.8103881896426	**Longitude:**	-76.311351406337

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☐ **Closed Pipe**	NA	NA	NA	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Recommend replacement manhole cover for safety. Existing lid is cracked. It was not lifted.

Scott Center Annex-2-14 Grid ID: C6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-15 Grid ID: C6

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/4/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	15	**Temperature (°F):**	85
Latitude:	36.8102561293234	**Longitude:**	-76.3115548495961

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	24	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Recommend landscaping crew keep manhole cover clear.

Scott Center Annex-2-15 Grid ID: C6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☑	☐ Brown ☑ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☐ Unlikely ☑ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-15

Grid ID: C6

Scott Center Annex-2-16 Grid ID: C6

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/4/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	16	**Temperature (°F):**	85
Latitude:	36.810091947228	**Longitude:**	-76.3116262342201

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	30	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Recommend landscaping crew keep manhole cover clear.

Scott Center Annex-2-16 Grid ID: C6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☑	☐ Brown ☑ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☐ Unlikely ☑ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-16 Grid ID: C6

Scott Center Annex-2-17 Grid ID: D5

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/4/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	17	**Temperature (°F):**	85
Latitude:	36.8100633929711	**Longitude:**	-76.3117761396848

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	30	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Utility line runs through manhole.

Scott Center Annex-2-17 Grid ID: D5

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☑	☐ Brown ☑ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☐ Unlikely ☑ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-18 Grid ID: D5

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/11/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	1.72
Structure ID:	18	**Temperature (°F):**	85
Latitude:	36.809549154169	**Longitude:**	-76.3118810700965

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☐ **Closed Pipe**	RCP	Circular	42	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Smells a little funky

Scott Center Annex-2-18 Grid ID: D5

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☑	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☑ Sulfide ☐ Other:	NA
Color	☑	☑ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-19 Grid ID: G6

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/10/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	1.72
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	3.05
Structure ID:	19	**Temperature (°F):**	80
Latitude:	36.8076525365375	**Longitude:**	-76.3112978263219

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Unobservable	Unobservable	Unobservable	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Screen and rocks need to be cleared from the top of the grate.

Scott Center Annex-2-19 Grid ID: G6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-20 Grid ID: E5

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/3/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	20	**Temperature (°F):**	84
Latitude:	36.8091198256522	**Longitude:**	-76.3125054513213

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Clear out drop inlet. Vegetation is growing beneath the grate.

Scott Center Annex-2-20 Grid ID: E5

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☑	☑ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-21 Grid ID: F3

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/3/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	21	**Temperature (°F):**	85
Latitude:	36.8083638755161	**Longitude:**	-76.3140473690823

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	24	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	Yes	**Flow Description:**	Trickle	

Comments / Recommendations:

Standing water.

Scott Center Annex-2-21 Grid ID: F3

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☑	☐ Brown ☑ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/3/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	22	**Temperature (°F):**	85
Latitude:	36.8097273017637	**Longitude:**	-76.3150324382667

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	18	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-2-22 Grid ID: D1

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☑	☑ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-23 Grid ID: E3

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/3/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	23	**Temperature (°F):**	85
Latitude:	36.809298999137	**Longitude:**	-76.3139438346525

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	24	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-2-23 Grid ID: E3

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-24 Grid ID: E3

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/3/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	24	**Temperature (°F):**	84
Latitude:	36.8091285426413	**Longitude:**	-76.3140113053169

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	18	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Standing water.

Scott Center Annex-2-24 Grid ID: E3

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-25 Grid ID: E2

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/3/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	25	**Temperature (°F):**	84
Latitude:	36.8090403514067	**Longitude:**	-76.3144173923343

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Standing water.

Scott Center Annex-2-25 Grid ID: E2

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-26 Grid ID: E2

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/3/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	26	**Temperature (°F):**	84
Latitude:	36.8088364050114	**Longitude:**	-76.3145176425234

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	18	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Staining in PVC pipe on right in photo may indicate a potential illicit discharge.

Scott Center Annex-2-26 Grid ID: E2

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☑	☑ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☐ Unlikely ☑ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-27 Grid ID: B6

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/11/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	1.72
Structure ID:	27	**Temperature (°F):**	80
Latitude:	36.8109608151888	**Longitude:**	-76.3111634347622

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Unobservable	Unobservable	Unobservable	**Water:** Unobservable **Sediment:** Unobservable
☐ **Open Drainage**	NA	NA	None	
Flow Present?	Yes	**Flow Description:**	Trickle	

Comments / Recommendations:

A condensate line discharges into inlet.

Scott Center Annex-2-27 Grid ID: B6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☑	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-28 Grid ID: C6

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/11/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	1.72
Structure ID:	28	**Temperature (°F):**	85
Latitude:	36.8104361437838	**Longitude:**	-76.3113740169327

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	CMP	Circular	12	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Metal pipe is corroding

Scott Center Annex-2-28 Grid ID: C6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☑	☐ Spalling, Cracking or Chipping ☑ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-29 Grid ID: C6

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/11/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	1.72
Structure ID:	29	**Temperature (°F):**	85
Latitude:	36.8103611911516	**Longitude:**	-76.3113097712203

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Steel	Circular	12	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Metal pipe is corroding

Scott Center Annex-2-29 Grid ID: C6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☑	☐ Spalling, Cracking or Chipping ☑ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-30 Grid ID: C6

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/11/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	1.72
Structure ID:	30	**Temperature (°F):**	85
Latitude:	36.8102969446443	**Longitude:**	-76.3114810934197

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	PVC	Circular	12	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-2-30 Grid ID: C6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-31 Grid ID: C6

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/4/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	31	**Temperature (°F):**	85
Latitude:	36.8101399008355	**Longitude:**	-76.3116702597539

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Terracotta	Circular	6	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Paved over edge of grate. Unable to remove it.

Scott Center Annex-2-31 Grid ID: C6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-32 Grid ID: C5

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/4/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	32	**Temperature (°F):**	85
Latitude:	36.8101577466901	**Longitude:**	-76.3118522889732

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	4	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Standing water.

Scott Center Annex-2-32 Grid ID: C5

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-33 Grid ID: C5

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/4/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	33	**Temperature (°F):**	85
Latitude:	36.810129193177	**Longitude:**	-76.3122805922259

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	PVC	Circular	12	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-2-33 Grid ID: C5

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-34 Grid ID: D5

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/3/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	34	**Temperature (°F):**	84
Latitude:	36.8094745983973	**Longitude:**	-76.3121510928912

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☐ **Closed Pipe**	NA	NA	NA	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Paved over

Scott Center Annex-2-34 Grid ID: D5

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-35 Grid ID: D5

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/3/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	35	**Temperature (°F):**	84
Latitude:	36.8094282036435	**Longitude:**	-76.3123948058278

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	Yes	**Flow Description:**	Trickle	

Comments / Recommendations:

Oily Sheen most likely from spillage in parking lot in front of the Strike Zone (BLDG. 1487)

Scott Center Annex-2-35 Grid ID: D5

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☑	☐ Odors ☐ Colors ☐ Floatables ☑ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-36 Grid ID: D7

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/4/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	36	**Temperature (°F):**	80
Latitude:	36.8100385361877	**Longitude:**	-76.3104817185644

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	10	**Water:** NA **Sediment:** Partially
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Clean sediment out of drop inlet.

Scott Center Annex-2-36 Grid ID: D7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-37 Grid ID: B8

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/3/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	37	**Temperature (°F):**	80
Latitude:	36.810813049802	**Longitude:**	-76.3094180997933

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Unobservable	Unobservable	Unobservable	**Water:** NA **Sediment:** Fully
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Paved over; unable to remove grate.

Scott Center Annex-2-37 Grid ID: B8

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-38 Grid ID: G5

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/4/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	38	**Temperature (°F):**	88
Latitude:	36.8074845563121	**Longitude:**	-76.3123319480124

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Standing water.

Scott Center Annex-2-38 Grid ID: G5

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-39 Grid ID: G5

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/4/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	39	**Temperature (°F):**	88
Latitude:	36.80740526881	**Longitude:**	-76.312369542507

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Standing water.

Scott Center Annex-2-39 Grid ID: G5

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-40 Grid ID: G4

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/4/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	40	**Temperature (°F):**	88
Latitude:	36.8077963594186	**Longitude:**	-76.3132219736431

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Standing water.

Scott Center Annex-2-40 Grid ID: G4

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-41 Grid ID: G4

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/4/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	41	**Temperature (°F):**	88
Latitude:	36.8078562847003	**Longitude:**	-76.3131461459516

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Standing water.

Scott Center Annex-2-41 Grid ID: G4

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

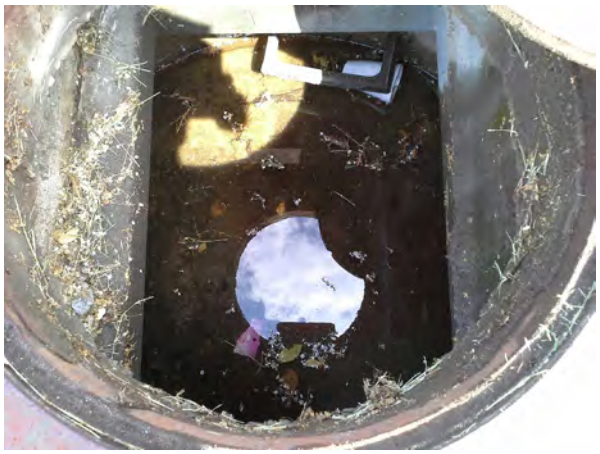
Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/4/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	42	**Temperature (°F):**	88
Latitude:	36.8078565961292	**Longitude:**	-76.3128321991328

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Standing water.



Scott Center Annex-2-42 Grid ID: G4

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☑	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-43 Grid ID: G4

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/4/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	43	**Temperature (°F):**	88
Latitude:	36.8078920673741	**Longitude:**	-76.3129288614507

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Standing water.

Scott Center Annex-2-43 Grid ID: G4

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-44 Grid ID: F5

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/4/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	44	**Temperature (°F):**	88
Latitude:	36.8082414896891	**Longitude:**	-76.3125493151583

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Standing water.

Scott Center Annex-2-44 Grid ID: F5

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-45 Grid ID: F4

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/4/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	45	**Temperature (°F):**	88
Latitude:	36.8083234036763	**Longitude:**	-76.3127781016881

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Standing water.

Scott Center Annex-2-45 Grid ID: F4

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-46 Grid ID: E5

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/11/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	1.72
Structure ID:	46	**Temperature (°F):**	85
Latitude:	36.8087593398821	**Longitude:**	-76.3125514477588

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Unobservable	Unobservable	Unobservable	**Water:** Fully **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Standing water.

Scott Center Annex-2-46 Grid ID: E5

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☑	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☑ Other: turbidity
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-47 Grid ID: E5

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/11/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	1.72
Structure ID:	47	**Temperature (°F):**	85
Latitude:	36.8087713869326	**Longitude:**	-76.3124703882791

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Standing water.

Scott Center Annex-2-47 Grid ID: E5

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☑	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-48 Grid ID: D6

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/11/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	1.72
Structure ID:	48	**Temperature (°F):**	85
Latitude:	36.8095862975337	**Longitude:**	-76.3111299168223

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-2-48 Grid ID: D6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-49 Grid ID: D6

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/16/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	49	**Temperature (°F):**	81
Latitude:	36.809489209355	**Longitude:**	-76.3111596097357

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	Yes	**Flow Description:**	Trickle	

Comments / Recommendations:

Water coming from standing water across street. Water was from hydrant flushing or someone using a hose earlier and it was slowly draining out.

Scott Center Annex-2-49 Grid ID: D6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☑	☐ Brown ☑ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/11/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	1.72
Structure ID:	50	**Temperature (°F):**	85
Latitude:	36.8095434881573	**Longitude:**	-76.3116492472611

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Standing water.

Scott Center Annex-2-50 Grid ID: D6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☑	☐ Odors ☐ Colors ☐ Floatables ☑ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-51 Grid ID: D6

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/11/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	1.72
Structure ID:	51	**Temperature (°F):**	85
Latitude:	36.8096115859953	**Longitude:**	-76.3116439445059

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	Yes	**Flow Description:**	Trickle	

Comments / Recommendations:

Landscaping crew appears to have blown grass clippings into curb inlet. Opportunity to educate them not to do that. Trickle appears to be condensate from nearby steam lines.

Scott Center Annex-2-51 Grid ID: D6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☑	☑ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-51 Grid ID: D6

Scott Center Annex-2-52 Grid ID: D5

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/3/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	52	**Temperature (°F):**	84
Latitude:	36.8096868507828	**Longitude:**	-76.3123900465534

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	18	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-2-52 Grid ID: D5

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☑	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☑ Other: Turbidity
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-53 Grid ID: D4

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/3/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	53	**Temperature (°F):**	84
Latitude:	36.8097582353177	**Longitude:**	-76.3127445864432

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	18	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Standing water.

Scott Center Annex-2-53 Grid ID: D4

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-54 Grid ID: C7

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/4/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	54	**Temperature (°F):**	85
Latitude:	36.810181779216	**Longitude:**	-76.3104215188639

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	CMP	Circular	<Null>	**Water:** Partially **Sediment:** Partially
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Recommend cleaning sediment out of curb inlet.

Scott Center Annex-2-54 Grid ID: C7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-55 Grid ID: C7

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/4/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	55	**Temperature (°F):**	80
Latitude:	36.8101298440657	**Longitude:**	-76.3105552896878

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	10	**Water:** Fully **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Standing water.

Scott Center Annex-2-55 Grid ID: C7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-56 Grid ID: E3

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/3/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	56	**Temperature (°F):**	84
Latitude:	36.8092836530981	**Longitude:**	-76.313744615272

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	18	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-2-56 Grid ID: E3

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-57 Grid ID: E3

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/3/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	57	**Temperature (°F):**	84
Latitude:	36.8092479609774	**Longitude:**	-76.3136583599367

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	18	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-2-57 Grid ID: E3

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-58 Grid ID: D4

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/11/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	1.72
Structure ID:	58	**Temperature (°F):**	80
Latitude:	36.810024735171	**Longitude:**	-76.3133561082847

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** Partially **Sediment:** Partially
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-2-58 Grid ID: D4

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-59 Grid ID: D3

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/3/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	59	**Temperature (°F):**	84
Latitude:	36.8098201009497	**Longitude:**	-76.3134370096608

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-2-59 Grid ID: D3

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☑	☐ Brown ☑ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☐ Unlikely ☑ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-60 Grid ID: D4

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/3/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	60	**Temperature (°F):**	84
Latitude:	36.8097915480299	**Longitude:**	-76.3133608666607

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-2-60 Grid ID: D4

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☐ Unlikely ☑ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-61 Grid ID: D1

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/3/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	61	**Temperature (°F):**	85
Latitude:	36.809699037935	**Longitude:**	-76.3151580496928

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-2-61 Grid ID: D1

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-62 Grid ID: D2

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/3/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	62	**Temperature (°F):**	85
Latitude:	36.8095991010726	**Longitude:**	-76.3147464030021

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	24	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-2-62 Grid ID: D2

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-63 Grid ID: D5

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/4/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	63	**Temperature (°F):**	80
Latitude:	36.809813225235	**Longitude:**	-76.3122866342945

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	Unobservable	**Water:** Fully **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-2-63 Grid ID: D5

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/4/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	64	**Temperature (°F):**	80
Latitude:	36.8097745709047	**Longitude:**	-76.3119808621448

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	36	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	Yes	**Flow Description:**	Trickle	

Comments / Recommendations:

Small pipe discharge inflow and infiltration.

Scott Center Annex-2-64 Grid ID: D5

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☑	☐ Brown ☑ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-65 Grid ID: F5

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/11/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	1.72
Structure ID:	65	**Temperature (°F):**	85
Latitude:	36.8086071433958	**Longitude:**	-76.3124410519969

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-2-65 Grid ID: F5

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-66 Grid ID: E5

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/11/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	1.72
Structure ID:	66	**Temperature (°F):**	85
Latitude:	36.8089460919676	**Longitude:**	-76.3123866886508

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-2-66 Grid ID: E5

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☑	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-67 Grid ID: E5

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/11/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	1.72
Structure ID:	67	**Temperature (°F):**	85
Latitude:	36.8092891875114	**Longitude:**	-76.3122677319443

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** Partially **Sediment:** Partially
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-2-67 Grid ID: E5

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-68 Grid ID: F5

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/11/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	1.72
Structure ID:	68	**Temperature (°F):**	85
Latitude:	36.8085116031953	**Longitude:**	-76.3121188236095

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Unobservable	NA	**Water:** Fully **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	Yes	**Flow Description:**	Moderate	

Comments / Recommendations:

Flow from retention pond by new commissary discharges into manhole.

Scott Center Annex-2-68 Grid ID: F5

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-69 Grid ID: F5

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/11/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	1.72
Structure ID:	69	**Temperature (°F):**	85
Latitude:	36.8086459709303	**Longitude:**	-76.3120376356708

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	30	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

NA

Scott Center Annex-2-69 Grid ID: F5

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-70 Grid ID: F5

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/11/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	1.72
Structure ID:	70	**Temperature (°F):**	85
Latitude:	36.8086720530107	**Longitude:**	-76.3119636728819

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Unobservable	Unobservable	Unobservable	**Water:** Fully **Sediment:** NA
☐ **Open Drainage**	NA	Unobservable	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

NA

Scott Center Annex-2-70 Grid ID: F5

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-71 Grid ID: E5

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/11/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	1.72
Structure ID:	71	**Temperature (°F):**	85
Latitude:	36.8088144448739	**Longitude:**	-76.3120270472285

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	24	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-2-71 Grid ID: E5

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-72 Grid ID: E5

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/11/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	1.72
Structure ID:	72	**Temperature (°F):**	85
Latitude:	36.808972871594	**Longitude:**	-76.3119772536123

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	18	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-2-72 Grid ID: E5

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-73 Grid ID: E5

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/11/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	1.72
Structure ID:	73	**Temperature (°F):**	83
Latitude:	36.8091422783702	**Longitude:**	-76.3119353939167

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☐ **Closed Pipe**	RCP	Circular	18	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-2-73 Grid ID: E5

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-74 Grid ID: E5

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/11/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	1.72
Structure ID:	74	**Temperature (°F):**	83
Latitude:	36.8093109684267	**Longitude:**	-76.311900124262

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	18	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-2-74 Grid ID: E5

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-75 Grid ID: D5

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/11/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	1.72
Structure ID:	75	**Temperature (°F):**	83
Latitude:	36.8094731894449	**Longitude:**	-76.3118639014948

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	18	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-2-75 Grid ID: D5

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/11/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	1.72
Structure ID:	76	**Temperature (°F):**	83
Latitude:	36.8095051897047	**Longitude:**	-76.3118718102626

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	36	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-2-76 Grid ID: D5

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-77 Grid ID: E5

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/11/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	1.72
Structure ID:	77	**Temperature (°F):**	83
Latitude:	36.8088557277409	**Longitude:**	-76.3119456014733

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	36	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-2-77 Grid ID: E5

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-78 Grid ID: E6

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/11/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	1.72
Structure ID:	78	**Temperature (°F):**	85
Latitude:	36.8089138354299	**Longitude:**	-76.311630319758

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Unobservable	Unobservable	Unobservable	**Water:** Fully **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	Yes	**Flow Description:**	Substantial	

Comments / Recommendations:

Staining on walls beneath rim of manhole. Sheen noted. Manhole located in parking lot of new commissary.

Scott Center Annex-2-78 Grid ID: E6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☑	☐ Odors ☐ Colors ☐ Floatables ☑ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-78 Grid ID: E6

Scott Center Annex-2-79 Grid ID: F7

Illicit Discharge Summary Report

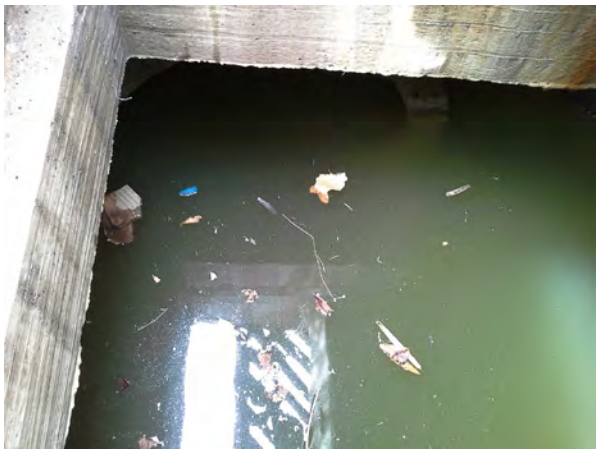
Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/12/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	79	**Temperature (°F):**	82
Latitude:	36.8081725577613	**Longitude:**	-76.3103752484403

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	24	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Standing water



Scott Center Annex-2-79 Grid ID: F7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☑	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☑ Other: Turbidity
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-80 Grid ID: F7

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/12/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	80	**Temperature (°F):**	82
Latitude:	36.8081685667402	**Longitude:**	-76.3105349787793

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	30	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Utility line runs through manhole.

Scott Center Annex-2-80 Grid ID: F7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☑	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☑ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-81 Grid ID: F7

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/12/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	81	**Temperature (°F):**	82
Latitude:	36.808166193273	**Longitude:**	-76.3101315696397

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	24	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-2-81 Grid ID: F7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☑	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☑ Other: Turbidity
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-82 Grid ID: F7

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/12/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	82	**Temperature (°F):**	82
Latitude:	36.8085344451947	**Longitude:**	-76.3101001411812

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Standing water

Scott Center Annex-2-82 Grid ID: F7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☑	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-83 Grid ID: D6

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/4/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	83	**Temperature (°F):**	86
Latitude:	36.8099700072001	**Longitude:**	-76.3113940044478

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-2-83 Grid ID: D6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-84 Grid ID: D4

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/11/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	1.72
Structure ID:	84	**Temperature (°F):**	80
Latitude:	36.8099723870845	**Longitude:**	-76.3132442734217

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	18	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Standing water.

Scott Center Annex-2-84 Grid ID: D4

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-85 Grid ID: G7

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/10/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	1.72
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	3.05
Structure ID:	85	**Temperature (°F):**	80
Latitude:	36.8076514548045	**Longitude:**	-76.3108181556046

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-2-85 Grid ID: G7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-86 Grid ID: G6

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/10/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	1.72
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	3.05
Structure ID:	86	**Temperature (°F):**	80
Latitude:	36.8076839139798	**Longitude:**	-76.3109253398894

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Standing water.

Scott Center Annex-2-86 Grid ID: G6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-86 Grid ID: G6

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/12/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Outfall	**Rainfall (in.) 48 hr:**	0
Structure ID:	87	**Temperature (°F):**	82
Latitude:	36.8081707790994	**Longitude:**	-76.3110744584299

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☐ **Closed Pipe**	NA	NA	NA	**Water:** NA **Sediment:** NA
☑ **Open Drainage**	Concrete	Parabolic	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-2-87 Grid ID: F6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-88 Grid ID: F7

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/12/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	88	**Temperature (°F):**	82
Latitude:	36.8086860067475	**Longitude:**	-76.3104254220438

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☐ **Closed Pipe**	PVC	Circular	4	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-2-88 Grid ID: F7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-89 Grid ID: F6

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/12/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	89	**Temperature (°F):**	82
Latitude:	36.8081327611801	**Longitude:**	-76.3109635964424

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	30	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Backwater from water quality pond next to commissary.

Scott Center Annex-2-89 Grid ID: F6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-90 Grid ID: E6

Illicit Discharge Summary Report

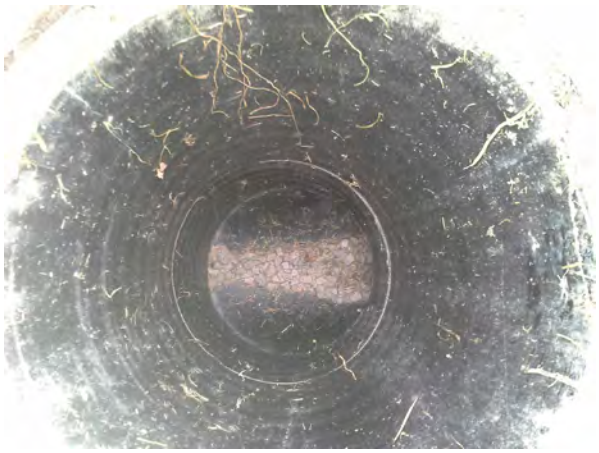
Subwatershed:	Deep Creek - Southern Branch	**Date:**	10/7/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	90	**Temperature (°F):**	65
Latitude:	36.8093036474679	**Longitude:**	-76.3113441713057

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☐ **Closed Pipe**	HDPE	Circular	12	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None



Scott Center Annex-2-90 Grid ID: E6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-91 Grid ID: E6

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	10/7/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	91	**Temperature (°F):**	65
Latitude:	36.809061979198	**Longitude:**	-76.3114030639575

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	HDPE	Circular	12	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-2-91 Grid ID: E6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-91

Grid ID: E6

Scott Center Annex-2-92 Grid ID: F5

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	10/7/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	92	**Temperature (°F):**	70
Latitude:	36.8085526596686	**Longitude:**	-76.3121163137166

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	Unobservable	**Water:** Fully **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Oily sheen noted in parking lot of new commissary.

Scott Center Annex-2-92 Grid ID: F5

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☑	☐ Odors ☐ Colors ☐ Floatables ☑ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-93 Grid ID: F7

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	10/7/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	93	**Temperature (°F):**	70
Latitude:	36.8082568006945	**Longitude:**	-76.3101217851896

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Unobservable	Unobservable	Unobservable	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-2-93 Grid ID: F7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	10/7/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	94	**Temperature (°F):**	70
Latitude:	36.8096075159352	**Longitude:**	-76.3119770407116

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	18	**Water:** NA **Sediment:** Partially
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-2-94 Grid ID: D5

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-95 Grid ID: D5

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	10/7/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	95	**Temperature (°F):**	70
Latitude:	36.8096468118929	**Longitude:**	-76.3121779848575

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-2-95 Grid ID: D5

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	10/7/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	96	**Temperature (°F):**	70
Latitude:	36.808461889332	**Longitude:**	-76.311546375788

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	HDPE	Circular	12	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-2-96 Grid ID: F6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-2-96 Grid ID: F6

Scott Center Annex-2-98 Grid ID: E7

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/12/2014
Outfall ID:	2	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	98	**Temperature (°F):**	82
Latitude:	36.8088628696553	**Longitude:**	-76.310095553485

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Water in curb inlet is seepage

Scott Center Annex-2-98 Grid ID: E7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-3-99 Grid ID: A5

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/3/2014
Outfall ID:	3	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	99	**Temperature (°F):**	80
Latitude:	36.8114839259272	**Longitude:**	-76.3118910081585

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	6	**Water:** NA **Sediment:** Partially
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Unable to remove grate.

Scott Center Annex-3-99 Grid ID: A5

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-3-100 Grid ID: D3

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/3/2014
Outfall ID:	3	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	100	**Temperature (°F):**	84
Latitude:	36.8095286866168	**Longitude:**	-76.3139831314546

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-3-100 Grid ID: D3

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☑	☑ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-3-101 Grid ID: B4

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/4/2014
Outfall ID:	3	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	101	**Temperature (°F):**	80
Latitude:	36.8112854721237	**Longitude:**	-76.313338988192

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-3-101 Grid ID: B4

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-3-103 Grid ID: C2

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/3/2014
Outfall ID:	3	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	103	**Temperature (°F):**	84
Latitude:	36.810353771042	**Longitude:**	-76.3145502756228

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-3-103 Grid ID: C2

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-3-104 Grid ID: C4

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/4/2014
Outfall ID:	3	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	104	**Temperature (°F):**	75
Latitude:	36.8105529752392	**Longitude:**	-76.312618712709

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	18	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Unable to lift grate.

Scott Center Annex-3-104 Grid ID: C4

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-3-105 Grid ID: C4

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/4/2014
Outfall ID:	3	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	105	**Temperature (°F):**	75
Latitude:	36.8107002722039	**Longitude:**	-76.3125815314393

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	36	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-3-105 Grid ID: C4

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☑	☐ Odors ☐ Colors ☐ Floatables ☑ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/4/2014
Outfall ID:	3	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	106	**Temperature (°F):**	75
Latitude:	36.8107153187681	**Longitude:**	-76.3126869514329

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	36	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-3-106 Grid ID: C4

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-3-107 Grid ID: C6

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/11/2014
Outfall ID:	3	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	1.72
Structure ID:	107	**Temperature (°F):**	85
Latitude:	36.8104254361666	**Longitude:**	-76.311534631214

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Terracotta	Circular	10	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Steam released from small pipe on right side of photos.

Scott Center Annex-3-107 Grid ID: C6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☑	☑ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-3-108 Grid ID: A4

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/3/2014
Outfall ID:	3	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	108	**Temperature (°F):**	80
Latitude:	36.8114861439442	**Longitude:**	-76.3130127703864

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☐ **Closed Pipe**	NA	NA	NA	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Any structures in this area are paved over. Accumulated pine straw was removed and there were no manholes found.

Scott Center Annex-3-108 Grid ID: A4

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-3-108 Grid ID: A4

Scott Center Annex-3-109 Grid ID: B5

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/3/2014
Outfall ID:	3	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	109	**Temperature (°F):**	80
Latitude:	36.8112699941495	**Longitude:**	-76.3124559757087

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	36	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Utility line passes through manhole. Standing water.

Scott Center Annex-3-109 Grid ID: B5

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-3-110 Grid ID: B5

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/3/2014
Outfall ID:	3	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	110	**Temperature (°F):**	85
Latitude:	36.8111115218383	**Longitude:**	-76.3125273594344

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	42	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	Yes	**Flow Description:**	Trickle	

Comments / Recommendations:

Flow appears to originate from condensate. There is also the possibility of inflow and infiltration. Pipe capacity is significantly reduced by sediment. Recommend cleaning sediment out of storm drain.

Scott Center Annex-3-110 Grid ID: B5

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☑	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-3-111 Grid ID: C4

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/4/2014
Outfall ID:	3	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	111	**Temperature (°F):**	75
Latitude:	36.8106886440364	**Longitude:**	-76.3126387181903

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	36	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-3-111 Grid ID: C4

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-3-112 Grid ID: B6

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/11/2014
Outfall ID:	3	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	1.72
Structure ID:	112	**Temperature (°F):**	80
Latitude:	36.8107857968612	**Longitude:**	-76.3114313563973

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	24	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Standing water. Turbidity noted in outlet pipe.

Scott Center Annex-3-112 Grid ID: B6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☑	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☑ Orange ☐ Red ☐ Other:	NA
Turbidity	☑	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	Few/slight;

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-3-113 Grid ID: B7

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/3/2014
Outfall ID:	3	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	113	**Temperature (°F):**	80
Latitude:	36.8113747136845	**Longitude:**	-76.3107746250426

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Steel	Circular	10	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Standing water.

Scott Center Annex-3-113 Grid ID: B7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-3-114 Grid ID: B7

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/3/2014
Outfall ID:	3	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	114	**Temperature (°F):**	80
Latitude:	36.8113604367966	**Longitude:**	-76.3107103793301

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Steel	Circular	10	**Water:** Fully **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Oily sheen noted in manhole behind the old commissary.

Scott Center Annex-3-114 Grid ID: B7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☑	☐ Odors ☐ Colors ☐ Floatables ☑ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☐ Unlikely ☑ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-3-115 Grid ID: C2

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/3/2014
Outfall ID:	3	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	115	**Temperature (°F):**	84
Latitude:	36.8102105707691	**Longitude:**	-76.314775456315

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-3-115 Grid ID: C2

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-3-116 Grid ID: C3

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/3/2014
Outfall ID:	3	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	116	**Temperature (°F):**	84
Latitude:	36.8103001034255	**Longitude:**	-76.3141708658743

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	42	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-3-116 Grid ID: C3

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-3-117 Grid ID: C2

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/3/2014
Outfall ID:	3	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	117	**Temperature (°F):**	84
Latitude:	36.810410292452	**Longitude:**	-76.3142235673371

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-3-117 Grid ID: C2

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-3-118 Grid ID: C2

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/3/2014
Outfall ID:	3	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	118	**Temperature (°F):**	84
Latitude:	36.8104351109965	**Longitude:**	-76.3142905987253

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-3-118 Grid ID: C2

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-3-119 Grid ID: C3

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/3/2014
Outfall ID:	3	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	119	**Temperature (°F):**	84
Latitude:	36.8107281026995	**Longitude:**	-76.313708267639

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	42	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	Yes	**Flow Description:**	Trickle	

Comments / Recommendations:

Inflow and infiltration.

Scott Center Annex-3-119 Grid ID: C3

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-3-120 Grid ID: B3

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/4/2014
Outfall ID:	3	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	120	**Temperature (°F):**	80
Latitude:	36.8111421297525	**Longitude:**	-76.3137582373249

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-3-120 Grid ID: B3

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-3-121 Grid ID: B3

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/4/2014
Outfall ID:	3	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	121	**Temperature (°F):**	80
Latitude:	36.8110992989508	**Longitude:**	-76.3136118999685

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** Partially **Sediment:** Partially
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Standing water.

Scott Center Annex-3-121 Grid ID: B3

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-3-122 Grid ID: B3

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/4/2014
Outfall ID:	3	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	122	**Temperature (°F):**	80
Latitude:	36.8109315470839	**Longitude:**	-76.3136725757761

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	18	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Standing water.

Scott Center Annex-3-122 Grid ID: B3

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-3-123 Grid ID: B3

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/4/2014
Outfall ID:	3	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	123	**Temperature (°F):**	75
Latitude:	36.8110100700146	**Longitude:**	-76.313401317798

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	42	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-3-123 Grid ID: B3

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-3-124 Grid ID: B4

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/4/2014
Outfall ID:	3	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	124	**Temperature (°F):**	75
Latitude:	36.8108458866592	**Longitude:**	-76.3129230457575

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	36	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-3-124 Grid ID: B4

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-3-125 Grid ID: B5

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/3/2014
Outfall ID:	3	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	125	**Temperature (°F):**	85
Latitude:	36.8110671770923	**Longitude:**	-76.3125447121908

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	42	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Grate is damaged. Recommend replacement.

Scott Center Annex-3-125 Grid ID: B5

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-3-126 Grid ID: A4

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/3/2014
Outfall ID:	3	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	126	**Temperature (°F):**	85
Latitude:	36.8116832192413	**Longitude:**	-76.3133120881408

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Terracotta	Circular	6	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Standing water.

Scott Center Annex-3-126 Grid ID: A4

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-3-127 Grid ID: A4

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/3/2014
Outfall ID:	3	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	127	**Temperature (°F):**	85
Latitude:	36.8115761433084	**Longitude:**	-76.3130836600388

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	HDPE	Circular	10	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-3-127 Grid ID: A4

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-3-128 Grid ID: A4

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/3/2014
Outfall ID:	3	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	128	**Temperature (°F):**	85
Latitude:	36.8117224803313	**Longitude:**	-76.3129266147642

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	HDPE	Circular	10	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-3-128 Grid ID: A4

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-3-129 Grid ID: B4

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/3/2014
Outfall ID:	3	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	129	**Temperature (°F):**	75
Latitude:	36.8114619291505	**Longitude:**	-76.3128873538947

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	24	**Water:** NA **Sediment:** Fully
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Unable to remove grate.

Scott Center Annex-3-129 Grid ID: B4

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-3-130 Grid ID: A4

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/3/2014
Outfall ID:	3	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	130	**Temperature (°F):**	85
Latitude:	36.8115118978206	**Longitude:**	-76.3127660022796

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** NA **Sediment:** Partially
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-3-130 Grid ID: A4

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-3-131 Grid ID: B5

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/3/2014
Outfall ID:	3	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	131	**Temperature (°F):**	80
Latitude:	36.811408391048	**Longitude:**	-76.3123912359228

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	24	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-3-131 Grid ID: B5

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-3-132 Grid ID: A5

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/3/2014
Outfall ID:	3	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	132	**Temperature (°F):**	80
Latitude:	36.8114797746969	**Longitude:**	-76.3123591139649

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	24	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-3-132 Grid ID: A5

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-3-133 Grid ID: A5

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/3/2014
Outfall ID:	3	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	133	**Temperature (°F):**	80
Latitude:	36.8116011283294	**Longitude:**	-76.3120021953362

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Standing water.

Scott Center Annex-3-133 Grid ID: A5

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-3-134 Grid ID: B5

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/3/2014
Outfall ID:	3	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	134	**Temperature (°F):**	80
Latitude:	36.8108087669203	**Longitude:**	-76.3122163456151

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	30	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Standing water.

Scott Center Annex-3-134 Grid ID: B5

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-3-135 Grid ID: C5

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/3/2014
Outfall ID:	3	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	135	**Temperature (°F):**	80
Latitude:	36.8107231070774	**Longitude:**	-76.3117594903094

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	30	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-3-135 Grid ID: C5

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☑	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☑ Other: turbidity
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-3-135 Grid ID: C5

Scott Center Annex-3-136 Grid ID: B6

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/3/2014
Outfall ID:	3	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	136	**Temperature (°F):**	80
Latitude:	36.811307025922	**Longitude:**	-76.3111598648572

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Clay	Circular	6	**Water:** Partially **Sediment:** Partially
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Standing water.

Scott Center Annex-3-136 Grid ID: B6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-3-137 Grid ID: B6

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/3/2014
Outfall ID:	3	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	137	**Temperature (°F):**	80
Latitude:	36.8112891803354	**Longitude:**	-76.3110813431182

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	6	**Water:** Partially **Sediment:** Partially
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Standing water.

Scott Center Annex-3-137 Grid ID: B6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-3-138 Grid ID: B6

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/3/2014
Outfall ID:	3	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	138	**Temperature (°F):**	80
Latitude:	36.8113855491868	**Longitude:**	-76.310995683366

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Steel	Circular	10	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	Yes	**Flow Description:**	Trickle	

Comments / Recommendations:

Potential for steam condensate to discharge into drop inlet.

Scott Center Annex-3-138 Grid ID: B6

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-3-138 Grid ID: B6

Scott Center Annex-3-139 Grid ID: B7

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/3/2014
Outfall ID:	3	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	139	**Temperature (°F):**	80
Latitude:	36.8112499190232	**Longitude:**	-76.3103639359559

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Steel	Circular	10	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	Yes	**Flow Description:**	Trickle	

Comments / Recommendations:

AC condensate

Scott Center Annex-3-139 Grid ID: B7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☑	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-3-140 Grid ID: D2

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/3/2014
Outfall ID:	3	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	140	**Temperature (°F):**	84
Latitude:	36.8098208072208	**Longitude:**	-76.3149318521077

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	42	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-3-140 Grid ID: D2

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-3-141 Grid ID: D3

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/3/2014
Outfall ID:	3	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	141	**Temperature (°F):**	84
Latitude:	36.8098779137472	**Longitude:**	-76.3137659170223

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-3-141 Grid ID: D3

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-3-142 Grid ID: C2

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/3/2014
Outfall ID:	3	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	142	**Temperature (°F):**	84
Latitude:	36.8101920028365	**Longitude:**	-76.31470818328

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	42	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-3-142 Grid ID: C2

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☑	☐ Brown ☑ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☐ Unlikely ☑ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-3-143 Grid ID: D3

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/3/2014
Outfall ID:	3	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	143	**Temperature (°F):**	84
Latitude:	36.8100301997669	**Longitude:**	-76.3141799433502

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-3-143 Grid ID: D3

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☑	☑ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-3-144 Grid ID: C3

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/3/2014
Outfall ID:	3	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	144	**Temperature (°F):**	84
Latitude:	36.8103623720976	**Longitude:**	-76.3138734678197

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	42	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Remove vegetation around inlet.

Scott Center Annex-3-144 Grid ID: C3

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☑	☐ Excessive ☑ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-3-145 Grid ID: C3

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/3/2014
Outfall ID:	3	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	145	**Temperature (°F):**	84
Latitude:	36.8107668809715	**Longitude:**	-76.3136926288682

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	42	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-3-145 Grid ID: C3

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-3-146 Grid ID: B3

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/4/2014
Outfall ID:	3	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	146	**Temperature (°F):**	75
Latitude:	36.810890612713	**Longitude:**	-76.3135784152663

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	42	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Utility line runs through manhole.

Scott Center Annex-3-146 Grid ID: B3

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-3-147 Grid ID: E1

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/18/2014
Outfall ID:	3	**Rainfall (in.) 24 hr:**	0.03
Type:	Outfall	**Rainfall (in.) 48 hr:**	0
Structure ID:	147	**Temperature (°F):**	70
Latitude:	36.8087612328874	**Longitude:**	-76.3157798922786

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☐ **Closed Pipe**	NA	NA	NA	**Water:** NA **Sediment:** NA
☑ **Open Drainage**	Concrete	Parabolic	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Outfall is located outside of perimeter fence.

Scott Center Annex-3-147 Grid ID: E1

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-4-148 Grid ID: E1

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/18/2014
Outfall ID:	4	**Rainfall (in.) 24 hr:**	0.03
Type:	Outfall	**Rainfall (in.) 48 hr:**	0
Structure ID:	148	**Temperature (°F):**	70
Latitude:	36.8090277333343	**Longitude:**	-76.3157798922786

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☐ **Closed Pipe**	NA	NA	NA	**Water:** NA **Sediment:** NA
☑ **Open Drainage**	Unobservable	Unobservable	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Outfall is located ouside of perimeter fence.

Scott Center Annex-4-148 Grid ID: E1

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-4-149 Grid ID: F2

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/3/2014
Outfall ID:	4	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	149	**Temperature (°F):**	85
Latitude:	36.8087036501188	**Longitude:**	-76.3149980013502

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	24	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-4-149 Grid ID: F2

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☑	☐ Brown ☑ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☐ Unlikely ☑ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-4-150 Grid ID: E1

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/3/2014
Outfall ID:	4	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	150	**Temperature (°F):**	85
Latitude:	36.809059379922	**Longitude:**	-76.3152478452887

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	42	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Standing water.

Scott Center Annex-4-150 Grid ID: E1

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-4-151 Grid ID: F2

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/3/2014
Outfall ID:	4	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	151	**Temperature (°F):**	85
Latitude:	36.8085059248799	**Longitude:**	-76.3143757069119

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	24	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-4-151 Grid ID: F2

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-4-152 Grid ID: F2

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/3/2014
Outfall ID:	4	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	152	**Temperature (°F):**	85
Latitude:	36.8083024812423	**Longitude:**	-76.3144863524055

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	30	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-4-152 Grid ID: F2

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-4-153 Grid ID: E1

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/3/2014
Outfall ID:	4	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	153	**Temperature (°F):**	85
Latitude:	36.8088225268208	**Longitude:**	-76.3155954582693

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	24	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-4-153 Grid ID: E1

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-4-154 Grid ID: F1

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/3/2014
Outfall ID:	4	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	154	**Temperature (°F):**	85
Latitude:	36.808634415812	**Longitude:**	-76.3156070779775

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	30	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-4-154 Grid ID: F1

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-4-155 Grid ID: F3

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/3/2014
Outfall ID:	4	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	155	**Temperature (°F):**	85
Latitude:	36.8082801289704	**Longitude:**	-76.3139983183728

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-4-155 Grid ID: F3

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/3/2014
Outfall ID:	4	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	156	**Temperature (°F):**	85
Latitude:	36.8082443522317	**Longitude:**	-76.3141623246926

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-4-156 Grid ID: F3

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-4-157 Grid ID: F3

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/3/2014
Outfall ID:	4	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	157	**Temperature (°F):**	85
Latitude:	36.8084370349055	**Longitude:**	-76.314078290891

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-4-157 Grid ID: F3

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-4-158 Grid ID: F3

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/3/2014
Outfall ID:	4	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	158	**Temperature (°F):**	85
Latitude:	36.8084571416963	**Longitude:**	-76.31416345118

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	18	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-4-158 Grid ID: F3

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-4-159 Grid ID: F2

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/3/2014
Outfall ID:	4	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	159	**Temperature (°F):**	85
Latitude:	36.8083432292777	**Longitude:**	-76.3145974722095

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	24	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-4-159 Grid ID: F2

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-4-160 Grid ID: F1

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/3/2014
Outfall ID:	4	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	160	**Temperature (°F):**	85
Latitude:	36.8085291142686	**Longitude:**	-76.3151043789479

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	18	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-4-160 Grid ID: F1

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/3/2014
Outfall ID:	4	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	161	**Temperature (°F):**	85
Latitude:	36.8086639732055	**Longitude:**	-76.3154721393437

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	<Null>	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-4-161 Grid ID: F1

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-4-162 Grid ID: E1

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/3/2014
Outfall ID:	4	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	162	**Temperature (°F):**	85
Latitude:	36.8088340977337	**Longitude:**	-76.3155510275953

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☐ **Closed Pipe**	RCP	Circular	24	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Clean sediment out of curb inlet.

Scott Center Annex-4-162 Grid ID: E1

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-5-163 Grid ID: B1

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/11/2014
Outfall ID:	5	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	1.72
Structure ID:	163	**Temperature (°F):**	75
Latitude:	36.811281963131	**Longitude:**	-76.3156944202743

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** NA **Sediment:** Partially
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Clean out trash and debris. Pipe capacity reduced.

Scott Center Annex-5-163 Grid ID: B1

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-5-164 Grid ID: B1

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/11/2014
Outfall ID:	5	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	1.72
Structure ID:	164	**Temperature (°F):**	75
Latitude:	36.8111258699739	**Longitude:**	-76.3158467062745

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** NA **Sediment:** Partially
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-5-164 Grid ID: B1

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-5-165 Grid ID: B1

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/11/2014
Outfall ID:	5	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	1.72
Structure ID:	165	**Temperature (°F):**	75
Latitude:	36.8109945236602	**Longitude:**	-76.3156392170034

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** Partially **Sediment:** Partially
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Standing water.

Scott Center Annex-5-165 Grid ID: B1

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-5-166 Grid ID: B1

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/11/2014
Outfall ID:	5	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	1.72
Structure ID:	166	**Temperature (°F):**	75
Latitude:	36.8111390371728	**Longitude:**	-76.3154732936789

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Standing water.

Scott Center Annex-5-166 Grid ID: B1

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-5-167 Grid ID: B1

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/11/2014
Outfall ID:	5	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	1.72
Structure ID:	167	**Temperature (°F):**	75
Latitude:	36.810861274099	**Longitude:**	-76.315275634672

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** Partially **Sediment:** Partially
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Standing water.

Scott Center Annex-5-167 Grid ID: B1

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-5-168 Grid ID: B1

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/11/2014
Outfall ID:	5	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	1.72
Structure ID:	168	**Temperature (°F):**	75
Latitude:	36.8108707920866	**Longitude:**	-76.3150690976151

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** Partially **Sediment:** Partially
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Standing water.

Scott Center Annex-5-168 Grid ID: B1

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☑	☑ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-5-169 Grid ID: B1

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/11/2014
Outfall ID:	5	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	1.72
Structure ID:	169	**Temperature (°F):**	75
Latitude:	36.8110573419595	**Longitude:**	-76.3151071691151

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Standing water.

Scott Center Annex-5-169 Grid ID: B1

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-5-170 Grid ID: B2

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/11/2014
Outfall ID:	5	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	1.72
Structure ID:	170	**Temperature (°F):**	75
Latitude:	36.811101124293	**Longitude:**	-76.314874933953

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** NA **Sediment:** Unobservable
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Clean trash and sediment out of curb inlet.

Scott Center Annex-5-170 Grid ID: B2

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-5-171 Grid ID: B2

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/11/2014
Outfall ID:	5	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	1.72
Structure ID:	171	**Temperature (°F):**	75
Latitude:	36.8109145738075	**Longitude:**	-76.3148406704114

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-5-171 Grid ID: B2

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-5-172 Grid ID: B2

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/11/2014
Outfall ID:	5	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	1.72
Structure ID:	172	**Temperature (°F):**	75
Latitude:	36.8110954130862	**Longitude:**	-76.3144656660011

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** Partially **Sediment:** Partially
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Standing water.

Scott Center Annex-5-172 Grid ID: B2

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☑	☑ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☑	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-5-173 Grid ID: B2

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/11/2014
Outfall ID:	5	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	1.72
Structure ID:	173	**Temperature (°F):**	75
Latitude:	36.8109138783346	**Longitude:**	-76.3145274090072

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** Partially **Sediment:** Partially
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Standing water.

Scott Center Annex-5-173 Grid ID: B2

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-5-174 Grid ID: B2

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/11/2014
Outfall ID:	5	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	1.72
Structure ID:	174	**Temperature (°F):**	75
Latitude:	36.8109012490636	**Longitude:**	-76.3142048778876

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-5-174 Grid ID: B2

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-5-175 Grid ID: B3

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/11/2014
Outfall ID:	5	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	1.72
Structure ID:	175	**Temperature (°F):**	75
Latitude:	36.8109792951918	**Longitude:**	-76.3141839381583

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** Partially **Sediment:** Partially
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Remove vegetation

Scott Center Annex-5-175 Grid ID: B3

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☑	☐ Excessive ☑ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-5-176 Grid ID: D1

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/18/2014
Outfall ID:	5	**Rainfall (in.) 24 hr:**	0.03
Type:	Outfall	**Rainfall (in.) 48 hr:**	0
Structure ID:	176	**Temperature (°F):**	70
Latitude:	36.809457311937	**Longitude:**	-76.3154430914207

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☐ **Closed Pipe**	NA	NA	NA	**Water:** NA **Sediment:** NA
☑ **Open Drainage**	Concrete	Parabolic	6	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-5-176 Grid ID: D1

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/18/2014
Outfall ID:	5	**Rainfall (in.) 24 hr:**	0.03
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	177	**Temperature (°F):**	70
Latitude:	36.810890612713	**Longitude:**	-76.3140590660456

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-5-177 Grid ID: B3

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-5-178 Grid ID: B2

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/11/2014
Outfall ID:	5	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	1.72
Structure ID:	178	**Temperature (°F):**	75
Latitude:	36.8110081576463	**Longitude:**	-76.3143379390424

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	24	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

In street just inside gate. (Near CDC / BLDG 1510)

Scott Center Annex-5-178 Grid ID: B2

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-5-179 Grid ID: B2

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/11/2014
Outfall ID:	5	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	1.72
Structure ID:	179	**Temperature (°F):**	75
Latitude:	36.8110581273318	**Longitude:**	-76.3145378141931

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	24	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Standing water.

Scott Center Annex-5-179 Grid ID: B2

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-5-180 Grid ID: C2

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/11/2014
Outfall ID:	5	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	1.72
Structure ID:	180	**Temperature (°F):**	75
Latitude:	36.8107568868551	**Longitude:**	-76.3147105629172

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	24	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Some seepage through masonry noted.

Scott Center Annex-5-180 Grid ID: C2

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☑	☑ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-5-181 Grid ID: A3

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/4/2014
Outfall ID:	5	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	181	**Temperature (°F):**	80
Latitude:	36.811545250045	**Longitude:**	-76.314009573365

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-5-181 Grid ID: A3

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☑	☐ Brown ☑ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☐ Unlikely ☑ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-5-182 Grid ID: C2

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/3/2014
Outfall ID:	5	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	182	**Temperature (°F):**	84
Latitude:	36.81063887405	**Longitude:**	-76.3143899838367

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☐ **Closed Pipe**	NA	NA	NA	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Buried or demolished.

Scott Center Annex-5-182 Grid ID: C2

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☑	☑ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-5-183 Grid ID: C2

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/3/2014
Outfall ID:	5	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	183	**Temperature (°F):**	84
Latitude:	36.8107209652744	**Longitude:**	-76.3146219809453

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Some seepage through masonry likely. Dampness and moss noted.

Scott Center Annex-5-183 Grid ID: C2

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☑	☑ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-5-184 Grid ID: A2

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	10/7/2014
Outfall ID:	5	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	184	**Temperature (°F):**	70
Latitude:	36.811638246965	**Longitude:**	-76.3142293695555

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☐ **Closed Pipe**	NA	NA	NA	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Drop inlet is located in trailer park outside the fence line. Pit bulls in yard. Did not enter property. Inlet appears to be covered in grass clippings.

Scott Center Annex-5-184 Grid ID: A2

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-5-185 Grid ID: A3

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/4/2014
Outfall ID:	5	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	185	**Temperature (°F):**	80
Latitude:	36.8116204007363	**Longitude:**	-76.3141829706727

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	10	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-5-185 Grid ID: A3

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-5-186 Grid ID: A3

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	10/7/2014
Outfall ID:	5	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	186	**Temperature (°F):**	70
Latitude:	36.811863105925	**Longitude:**	-76.3140723260775

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☐ **Closed Pipe**	NA	NA	NA	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-5-186 Grid ID: A3

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-5-187 Grid ID: A3

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/4/2014
Outfall ID:	5	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	187	**Temperature (°F):**	80
Latitude:	36.8120147601375	**Longitude:**	-76.3137587215169

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	8	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Standing water.

Scott Center Annex-5-187 Grid ID: A3

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-5-188 Grid ID: A3

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/4/2014
Outfall ID:	5	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	188	**Temperature (°F):**	80
Latitude:	36.8121496848541	**Longitude:**	-76.3136940167653

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	PVC	Circular	8	**Water:** NA **Sediment:** Partially
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-5-188 Grid ID: A3

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-5-189 Grid ID: C3

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/3/2014
Outfall ID:	5	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	189	**Temperature (°F):**	84
Latitude:	36.8106281657419	**Longitude:**	-76.3138546049954

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-5-189 Grid ID: C3

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-5-190 Grid ID: C3

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/3/2014
Outfall ID:	5	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	190	**Temperature (°F):**	84
Latitude:	36.810649580918	**Longitude:**	-76.3139259887211

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	12	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Edge of grate has been paved over. Unable to lift.

Scott Center Annex-5-190 Grid ID: C3

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-5-191 Grid ID: C2

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/11/2014
Outfall ID:	5	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	1.72
Structure ID:	191	**Temperature (°F):**	75
Latitude:	36.8107718061083	**Longitude:**	-76.3147550088625

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	<Null>	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-5-191 Grid ID: C2

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-5-192 Grid ID: B2

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/11/2014
Outfall ID:	5	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	1.72
Structure ID:	192	**Temperature (°F):**	75
Latitude:	36.8111288208708	**Longitude:**	-76.3145039998092

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Unobservable	Unobservable	Unobservable	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Clear debris off grate and restore positive drainage to inlet.

Scott Center Annex-5-192 Grid ID: B2

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☑	☑ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-5-193 Grid ID: A3

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/4/2014
Outfall ID:	5	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	193	**Temperature (°F):**	80
Latitude:	36.8114721173592	**Longitude:**	-76.313614100841

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Terracotta	Circular	8	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Repair curb inlet cover.

Scott Center Annex-5-193 Grid ID: A3

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-5-194 Grid ID: A3

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/4/2014
Outfall ID:	5	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	194	**Temperature (°F):**	80
Latitude:	36.8116029881813	**Longitude:**	-76.3135367675731

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Terracotta	Circular	8	**Water:** Partially **Sediment:** Partially
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-5-194 Grid ID: A3

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☑	☑ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-5-195 Grid ID: B3

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/4/2014
Outfall ID:	5	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	195	**Temperature (°F):**	80
Latitude:	36.8109545883006	**Longitude:**	-76.3138704782264

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	PVC	Circular	8	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-5-195 Grid ID: B3

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-5-196 Grid ID: B3

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/4/2014
Outfall ID:	5	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	196	**Temperature (°F):**	80
Latitude:	36.8109782099097	**Longitude:**	-76.3139750843463

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	PVC	Circular	10	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-5-196 Grid ID: B3

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-5-197 Grid ID: A3

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/4/2014
Outfall ID:	5	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	197	**Temperature (°F):**	80
Latitude:	36.8114935891161	**Longitude:**	-76.3137390502088

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	10	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-5-197 Grid ID: A3

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-6-198 Grid ID: B8

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/18/2014
Outfall ID:	6	**Rainfall (in.) 24 hr:**	0.03
Type:	Outfall	**Rainfall (in.) 48 hr:**	0
Structure ID:	198	**Temperature (°F):**	70
Latitude:	36.8112752529644	**Longitude:**	-76.3096877578719

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☐ **Closed Pipe**	NA	NA	NA	**Water:** NA **Sediment:** NA
☑ **Open Drainage**	Unobservable	Unobservable	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-6-198 Grid ID: B8

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/17/2014
Outfall ID:	8	**Rainfall (in.) 24 hr:**	0
Type:	Outfall	**Rainfall (in.) 48 hr:**	0
Structure ID:	199	**Temperature (°F):**	73
Latitude:	36.8106391041969	**Longitude:**	-76.3092625493153

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☐ **Closed Pipe**	NA	NA	NA	**Water:** NA **Sediment:** NA
☑ **Open Drainage**	Removed	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

None

Scott Center Annex-8-199 Grid ID: C8

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-8-200 Grid ID: F7

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/12/2014
Outfall ID:	8	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	200	**Temperature (°F):**	82
Latitude:	36.808508785255	**Longitude:**	-76.3101369182089

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** Partially **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Inflow and infiltration noted in cracks in concrete.

Scott Center Annex-8-200 Grid ID: F7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☑	☐ Brown ☑ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☐ Unlikely ☑ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-8-201 Grid ID: C8

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/3/2014
Outfall ID:	8	**Rainfall (in.) 24 hr:**	0
Type:	Drop Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	201	**Temperature (°F):**	80
Latitude:	36.8106759931521	**Longitude:**	-76.3093038861914

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	Unobservable	Unobservable	Unobservable	**Water:** NA **Sediment:** Unobservable
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Removed or completely overgrown

Scott Center Annex-8-201 Grid ID: C8

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-8-202 Grid ID: E7

Illicit Discharge Summary Report

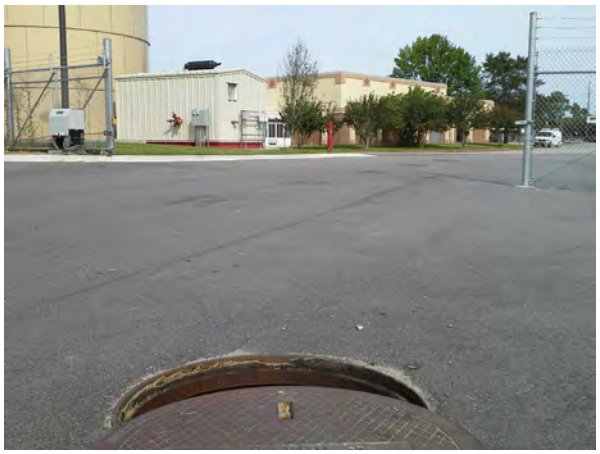
Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/12/2014
Outfall ID:	8	**Rainfall (in.) 24 hr:**	0
Type:	Manhole	**Rainfall (in.) 48 hr:**	0
Structure ID:	202	**Temperature (°F):**	82
Latitude:	36.8090728927038	**Longitude:**	-76.3101472200886

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	Yes	**Flow Description:**	Trickle	

Comments / Recommendations:

Clear trickle. Nearest source of flow appears to be fire supply line. This can be seen in the distance in the photo on the right.



Scott Center Annex-8-202 Grid ID: E7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☑	☐ Brown ☑ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Scott Center Annex-8-202 Grid ID: E7

Scott Center Annex-8-203 Grid ID: E7

Illicit Discharge Summary Report

Subwatershed:	Deep Creek - Southern Branch	**Date:**	9/12/2014
Outfall ID:	8	**Rainfall (in.) 24 hr:**	0
Type:	Curb Inlet	**Rainfall (in.) 48 hr:**	0
Structure ID:	203	**Temperature (°F):**	81
Latitude:	36.8093286886107	**Longitude:**	-76.3102378277614

Outfall Description

Location	Material	Shape	Dimensions (In.)	Submerged
☑ **Closed Pipe**	RCP	Circular	15	**Water:** NA **Sediment:** NA
☐ **Open Drainage**	NA	NA	None	
Flow Present?	No	**Flow Description:**	NA	

Comments / Recommendations:

Seepage noted through cracks in masonry.

Scott Center Annex-8-203 Grid ID: E7

Physical Indicators for Flowing Outfalls Only

Indicator	Check if Present	Description	Relative Severity
Odor	☐	☐ Sewage ☐ Rancid/Sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	NA
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	NA
Turbidity	☐	See severity	NA
Floatables	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	NA

Physical Indicators of Both Flowing and Non-Flowing Outfalls

Indicator	Check if Present	Description
Outfall Damage	☑	☑ Spalling, Cracking or Chipping ☐ Corrosion ☐ Peeling Paint
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other: None
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: None
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other: None
Comments:		

Overall Outfall Characterization

☐ Unlikely ☑ Potential (presence of two or more indicators) ☐ Suspect (one or more idicators with severity of 3) ☐ Obvious

Appendix D – Navy Spill Response and Reporting SOP; HR Installations

DOCUMENT NO.:

SOP-Spills-Regional-01

TITLE:

Hampton Roads Naval Installation Spill Reporting and Documentation Standard Operating Procedure

CONTENTS

1. PURPOSE.....2
2. REFERENCES.....2
3. PROCEDURES AND RESPONSIBILITIES.....2
4. EV RESPONSIBILITIES.....3
5. TABLE 1.....6
6. ATTACHMENT 1.....7

DOCUMENT OWNER: NAVFAC MIDLANT Spill Program Manager	AUTHORIZED BY: NAVFAC MIDLANT EV Compliance Director

REV. NO.	EFFECTIVE DATE	DESCRIPTION OF REVISION
1	9/10/2010	ORIGINAL ISSUE
2	3/14/2011	REVISION
3	4/28/2011	ADDED EMS COVER SHEET
4	6/8/2011	REVISION
5	8/23/2011	REVISION
6	1/3/2012	REVISION
7	3/1/2012	REVISION
8	8/7/2012	REVISION
9	9/5/2012	REVISION
10	9/13/2012	APPROVAL SIGNATURE: Sean Heaney, PE-EV1- Sean Heaney

Form EMS 1 (Revision A)

HAMPTON ROADS NAVAL INSTALLATION
SPILL REPORTING AND DOCUMENTATION
STANDARD OPERATING PROCEDURE

1) Purpose:

This Standard Operating Procedure (SOP) was created by NAVFAC MIDLANT Environmental and provides the reporting and documentation actions that must be taken in response to a spill/ release of oil, sewage, hazardous, or non-hazardous substance (solid or liquid) from a building, vessel, aircraft, etc. at any Hampton Roads Naval installation or annex. In this SOP, the term "spill" also includes gaseous releases of hazardous substances to the air, but does not pertain to radiological or infectious waste incidents as outlined in CNRMA Regional Instruction 5090.3.

This SOP will be updated August 7, 2013 by NAVFAC MIDLANT Environmental. For updates contact the Hampton Roads Spill Program Manager at 757-341-0390.

2) References:

(a) COMNAVREG MIDLANT INST 5090.3, Prevention, Reporting, Response, and Cleanup of Oil and Hazardous Substance spills for Hampton Roads Installations. 30 Apr 2004.
(b) OPNAVINST 5090.1C- Navy Environmental and Natural Resources Program Manual. 30 Oct 2007.
(c) OPNAVINST 3100.6H, Special Incident Reporting (OPREP 3, Navy Blue and Unit SITREP) Procedures; (NOTAL). (date unknown)
(d) COMNAVREGMIDLANT/SOP (ADMIN) HRINST 5400.1A DRAFT SUPGROUP 5090 REVISION. DRAFT SEP 2010
(e) COMNAVREG MIDLANT INST 5090.1, Response to Major Oil and Hazardous Substance Incidents within Commander, Navy Region, Mid-Atlantic Area of Responsibility. 25 Oct 2001.

3) Procedures and Responsibilities:

The following section outlines the responsibilities of the Responsible Party and/or the party who discovers the spill. Subsequent sections outline the responsibilities of Environmental staff.
The responsible party is the activity/ command that caused the spill.

a) <u>Responsible Party's Duties</u>

i) When a release is detected, secure all activities related to the release.
ii) Determine the source of the release and secure if safe to do so.
iii) If possible and safe to do so, prevent spills from entering storm drains or waterways. This can be accomplished by covering storm drains or pier drains or by diverting the spill using dikes or man-made berms.
iv) **Immediately** following (**or during**) initial spill response actions, the spill must be reported to the Emergency Communications Center (ECC), or applicable Emergency Service by the Responsible Party (RP) or the party that discovered the spill. **Contact information for each installation is listed in Table 1.**

Note: The ECC contacts the base Fire Department, Command Duty Officer (CDO) or General Duty Supervisor (after hours), and Base Environmental (EV). If required, the

National Response Center (NRC) and Navy On-Scene Coordinator (NOSC) are also contacted.

Responsible Party must immediately report the spill to the ECC in the following Instances:

(1) If the spill was a result of any operation conducted on base (including military personnel, contractors, tenants, civilians, etc.) outside or inside of a building and has reached utility drains or the environment (air, land, water, pavement) or provides a significant threat to reach utility drains or the environment, or is a threat to human health.

(2) If the spill is greater than or equal to 1 gallon and is contained within a building (i.e., has not entered utility drains or has not escaped the building footprint).

v) **Navy Message**- The Responsible Party or reporting party (if responsible party has not been determined) has 24 hours to generate a Navy Spill Message if any the following occurs per **Reference (b)**:

(1) The NRC or any state or local authority was contacted by the ECC or EV.

(2) Any discharge of oil has reached the water or storm drain.

(3) Any oil or HS spill that may endanger critical water areas, has the potential to generate public concern, become the focus of an enforcement action, or pose a threat to public health or welfare that warrants an OPREP-3 special incident report as per **Reference (c).**

(4) Sewage spills or other pollutants which endanger critical water areas, have the potential to generate public concern, become the focus of enforcement action, or pose a threat to public health or welfare shall be reported by OPREP-3 NAVY BLUE or OPREP-3 NAVY UNIT SITREP in accordance with **Reference (c)**. Spills of oil and hazardous substances shall be reported in accordance with the requirements in **Reference (b)** Chapter 12, using formats in Appendices H or I. Additional addresses outlined in **Reference (d)** are also required on all spill messages.

(5) If original spill information differs as per **Reference (b)** 12-5.4b or if spilled amount differs by more than 50% of original Message, then an updated Message must be generated.

The following section outlines the duties of Environmental personnel:

b) **<u>EV Responsibilities</u>**

i) Once release (or threat of a release) is determined, ECC is immediately contacted by the Responsible Party or discoverer of spill. If spill is discovered by environmental staff, the environmental staff member places the notification call to ECC. If EV was contacted in lieu of ECC, the person discovering the spill will be directed to contact ECC with the pertinent information.

ii) Once an Environmental Protection Specialist (EPS) receives notification of a spill from ECC the EPS will contact the caller who made the spill report and/or reports to the scene of the spill. If needed, CDO and NOSC (if applicable) also respond to spill scene.

iii) EPS, in conjunction with CDO, conducts preliminary investigation as to the extent and cause of the spill. When appropriate, Hampton Roads Spill Manager (SM) along with Installation Environmental Program Manager (IEPM) conducts a more in-depth investigation.

iv) Using the acquired spill information, the EPS determines the reporting and documentation

requirements for the spill utilizing the matrix presented later in this SOP. An explanation/discussion of the reporting requirements and documentation is listed in the matrix **(Attachment 1)**.

v) EPS notifies SM of all reportable spills and any hazardous materials spills **(see Attachment 1)**.

vi) EPS notifies the state/local regulatory authorities and the applicable installation Media Manager(s) (MM). If the reporting/notification requirements are unclear, EPS is to contact the SM and together they will ensure each regulatory agency's reporting requirements are being met. The proper communication channels will be followed to ensure the various MMs fulfill additional regulatory reporting requirements not identified in the matrix below.

vii) EPS provides on-site guidance for spill clean-up when necessary. EPS, CDO, or a General Duty Foreman determines if additional assistance from Environmental Services or other resources are needed to clean up the spill. CDO or Duty Foreman contacts the Environmental Service Desk as needed (757-341-0412). The Service Desk dispatches NAVFAC Oil Recovery or Hazmat personnel, as appropriate. If oil spill is >100 gallons and NOSC is not on-site or was obviously not contacted by the ECC, the EPS or CDO should contact the NOSC immediately at 757-636-4378.

viii) Upon commencement of any oil recovery activities, Oil Recovery will supply an initial incident and cost logistics report to the Oil Recovery Commodity Manager as soon as practicable or within six hours of discovery of spill, if feasible. The Commodity Manager will then supply information to the Installation Environmental Program Manager (IEPM) and SM as soon as practicable. This initial report may include such summarized information as: spill discovery timeline, estimated volume spilled, any completed and ongoing recovery operations, and estimated clean-up costs to date. During ongoing recovery efforts, a daily summary will also be provided at the end of each day with updated/additional information. At the conclusion of the recovery activities, a final spill summary will be provided (through the chain of command, as noted), which shall contain the final amount of recovered product, final clean-up costs, and any updated or additional observed information. ***CNRMA Hazardous Waste disposal JON shall NOT be used for spill clean-up billing.**

ix) If the spill is reportable, EPS informs the RP of their obligation to generate a Navy Spill Message in proper format within 24 hours (see Message Formats in Responsible Party's Duties). In the event that the RP cannot be determined, EPS informs the CDO or Pier SOPA **(Reference a)** of their responsibility to submit the Navy Spill Message. EPS will communicate to the Message generator the estimated clean-up costs and recovered volume (if available) so the Message will be as complete as possible. If specifics are unknown, the initial Message must not be delayed and an updated Message may be released as additional information becomes available.

x) IEPD, EPS, and SM should follow up with CDO or Pier SOPA to ensure they have released initial Navy Message within 24 hours of discovery. Installation EV staff will inform RP to use proper message format. Additionally, it is the IEPM's responsibility to inform the Message author if an updated Message is required. If original spill information differs as per **(Reference b)** or if spilled amount differs by more than 50% of original Message, then an updated Message must be generated.

xi) EPS is to make initial notifications to appropriate regulators (except HRSD) as per the agency's preferred reporting method within 24 hours of the discovery of the spill. Initial notifications should include other agency incident numbers (such as NRC numbers) for cross-referencing by the regulators. See **Spill Reporting** section for important reporting procedures.

xii) EPS must draft the DEQ 5-day spill report and submit to the IEPM for review, finalization, signatures, and distribution to the appropriate regulatory agencies within by the established deadline. Impacted MM for the installation where the spill occurred is responsible for all

communication with HRSD and for follow-up regulatory reporting regarding releases to the sanitary sewer system.

xiii) Pollution Prevention/Emergency Planning and Community Right-to-Know Act (EPCRA) program manager (PM) is responsible for providing support to the installation environmental staff for reportable quantity (RQ) calculations and necessary EPCRA and LEPC reporting. Any correspondence of this nature should be forwarded to the SM and P2 EPCRA program manager.

xiv) SM and MMs will continue regulatory communications as appropriate and provide updated information when/if it becomes available.

xv) If regulatory enforcement action is imposed, SM and MMs will comply with communication requirements.

xvi) EPS files all spill documents together in the appropriate reportable or non-reportable spills folder.

Table 1			
INSTALLATION	**Emergency Contact**	**CDO**	**Environmental**
NWS Yorktown Cheatham Annex Yorktown Fuels	**757-887-4911** (ECC)	757-268-6250	757-887-4086 or 757-887-4881 or 757-636-4494 or 757-887-4095
Naval Air Station Oceana Dam Neck Annex Naval Auxiliary Landing Field Fentress	**911** (ECC)	757-433-2366	757-433-3435 or 757-433-3437 or 757-433-3439 757-433-2131 after hours: 757-328-4673 or 757-943-0991
Dare County Bombing Range	**911** (Local Emergency Services)	757-433-2366	757-421-8114 757-433-3435 or 757-433-3437 or 757-433-2131 after hours: 757-636-4256 or 757-943-0991
Defense Fuel Support Point Craney Island (see DFSP Craney Island's 'Red Plan')	**757-396-3333** (NNSY ECC)	757-322-2365	757-635-5740 or 757-341-0523
Joint Expeditionary Base Little Creek	**757-462-4444** (ECC)	757-462-7385 or 757-438-3930	757-462-5350 or 757-462-5361 or 757-462-5355 757-462-5356
Joint Expeditionary Base Fort Story	**757-422-7141** (ECC)	757-462-7385or 757-438-3930	757-422-7344 ext 225 or 757-462-5353 or 757-462-5361
Naval Station Norfolk	**757-444-3333** (ECC)	757-438-3860	757-341-0523 or 757-341-0516
Naval Support Activity Hampton Roads	**757-444-3333** (ECC)	757-438-3402	757-836-1862
Norfolk Naval Shipyard St. Juliens Creek Annex Scott Center Annex Southgate Annex	**757-396-3333** (NNSY ECC)	757-396-3222	757-396-8270
St. Helena Annex	**911** (Local Emergency Services)	757-396-3222	757-396-8270
Naval Support Activity Northwest	**911** (Chesapeake Emergency Services)	757-438-3503	757-421-8114 or 757-650-7286 after hours: 757-636-4256 or 757-943-0991
ROTHR New Kent	**757-887-4911** (ECC)	757-268-6250	757-887-4086 or 757-887-4881
Naval Medical Center Portsmouth	**757-396-3333**	757-396-3222	757-396-8270

Attachment 1

REPORTING/DOCUMENTATION MATRIX

Material Spilled: Sewage/Grey-Water				
Spill Caused By	Area Affected	Volume Spilled	EV Reporting Requirements	Navy Documentation
All Cases	State Waters Storm Drains	Any Quantity	DEQ Reporting DCR Reporting VDH Reporting	Navy Message Logbook Spill Folder
All Cases	Land	≥25 Gallons	DEQ Reporting DCR Reporting VDH Reporting	Navy Message Logbook Spill Folder
All Cases	Land	< 25 Gallons	None	Logbook Spill Folder
Material Spilled: Oil				
Spill Caused By	Area Affected	Volume Spilled	EV Reporting Requirements	Navy Documentation
All Cases	State Waters Storm Drains	Any Quantity	DEQ Reporting DCR Reporting NRC Reporting	Navy Message Logbook Spill Folder
POV	Land	<25 Gallons	None	None
Navy	Land	<25 Gallons	None	Navy Message Logbook Spill Folder
All Cases	Land	≥25 Gallons	DEQ Reporting DCR Reporting NRC Reporting	Navy Message Logbook Spill Folder
Note: All oil spills greater than 100 gallons require Navy On-Scene Coordinator notification.				
Air Releases				
Spill Caused By	Area Affected	Volume Spilled	EV Reporting Requirements	Navy Documentation
Air Releases of Refrigerants or Halons	Air	Any Quantity	Air Program Manager	Logbook
Air Releases of Ammonia	Air	Any Quantity	Air Program Manager & EPCRA Manager	Logbook
Air Releases of Hazardous Substance	Air	≥Reportable Quantity	Air Program Manager & EPCRA Program Manager	Logbook
Excess Air Emissions	Air	1 Hour or More	DEQ Air Manager	Logbook

Attachment 1

Material Spilled: AFFF				
Spill Caused By	Area Affected	Volume Spilled	EV Reporting Requirements	Navy Documentation
All Cases	State Waters Storm Drains	Any Quantity	DEQ Reporting DCR Reporting	Navy Message Logbook Spill Folder
All Cases	Sanitary Sewer	Any Quantity	Water Program Manager (WPM) HRSD (reporting by WPM)	Navy Message Logbook Spill Folder
All Cases	Land	Any Quantity	DEQ Reporting	Navy Message Logbook Spill Folder

Material spilled : Hazardous Substance/Hazardous Waste				
Spill Caused By	Area Affected	Volume Spilled	EV Reporting Requirements	Navy Documentation
All Cases	State Waters Storm Drains	Any Quantity	DEQ Reporting DCR Reporting NRC Reporting NOSC	Navy Message Logbook Spill Folder
All Cases	Sanitary Sewer	Any Quantity	Water Program Manager HRSD	Navy Message Logbook Spill Folder
All Cases	Land	≥Reportable Quantity (for spilled substance)	DEQ Reporting DCR Reporting NRC Reporting LEPC NOSC	Navy Message Logbook Spill Folder
All Cases	Land	<Reportable Quantity (for spilled substance)	Environmental	Logbook Spill Folder
Hazardous Waste	All Cases	Any Quantity	HW Media Manager (DEQ Reporting) *****If ≥ Reportable Quantity: DCR Reporting NRC Reporting	Navy Message Logbook Spill Folder
CERCLA Haz Substances, EPCRA Toxic Chemicals, and EPCRA Extremely Haz Substances	All Cases	≥Reportable Quantity***** (for spilled substance)	DEQ Reporting DCR Reporting NRC Reporting LEPC NREMD NOSC	Navy Message Logbook Spill Folder

Note 1: DEQ Reporting = 24 hour initial notification and follow up 5-Day Letter
Note 2: DCR reporting is only necessary for installations covered under the regional MS4 Phase II Permit
Note 3: NRC reporting must occur **immediately** upon discovery of spill

Attachment 1

***Reportable Quantity (RQ)**

The reportable quantity is the federally determined amount of a hazardous substance that is used to determine when spills have to be reported; any spill involving an amount of a hazardous substance greater than or equal to its reportable quantity value must be reported. The P2-EPCRA PM is responsible for providing support to the installation environmental staff for RQ calculations and necessary EPCRA and LEPC reporting. Any correspondence of this nature should be forwarded to the SM and P2-EPCRA PM.

Navy Message

EPS is to notify Responsible Party of their duty to generate a Navy Message regarding the spill incident in proper format within 24 hours (see Message Formats in Responsible Party's Duties). In the event that the Responsible Party can not be determined, EPS informs the CDO or Pier SOPA (as applicable) of their responsibility to deliver the Message. EPS will communicate the estimated clean-up costs and recovered volume (if available) so the Message will be complete. If specifics are unknown, the initial Message must not be delayed and an updated Message may be released as additional information becomes available.

IEPM and SM are to ensure that the responsible party releases initial Navy Message within 24 hours of discovery of spill and in proper format. Additionally, it is their responsibility to inform the Message author if an updated Message is required. If original spill information differs significantly (i.e., spilled amount differs by more than 50% of original Message), then an updated Message must be submitted.

A copy of the Navy Message should be made for environmental recordkeeping and to ensure that the correct format has been used per **References (b)** and **(d)**. Also see previous section on Navy Messaging.

Spill Reporting

EPS is to provide spill reporting to Virginia Department of Environmental Quality (DEQ) and Virginia Department of Conservation and Recreation (DCR). Spill reporting includes both an initial report of the spill within 24 hours of spill discovery (which presents awareness of the spill) and a 5-day Spill Letter (which documents specific details).

Initial spill report can be made within 24 hours of the spill discovery on the DEQ Reporting Website. Once the report is submitted, a WEB Reference ID Number (not the same as an Incident Report number) will be populated and must be recorded as proof of notification (recommend printing this page to an electronic file). Following incident submittal, an Incident Report number (IR#) will be generated by the DEQ . The IR# or Web Reference number should be used in all remaining correspondence pertaining to that incident.

In certain situations for oil spills <150 gallons, but >25 gallons the DEQ may not generate an IR# and may not require a follow-up 5-day Spill Letter. In this instance, EPS is to keep a hardcopy of the ruling or request something in writing for EV documentation.

If a 5-Day Spill Letter is required, it must be submitted within 5 business days of discovery of the spill (weekends and holidays falling on weekdays are not business days). These letters should contain a brief explanation of the following:

→Date of Release/Discovery	→Quantity Released
→Time of Release/Discovery	→Quantity Recovered
→Location	→Receiving Waterway
→Substance Released	→Cause of Release
→NRC # (if applicable)	→Cleanup Actions Taken

Attachment 1

The preferred method of delivery to the DEQ is electronic. An email attachment of the document to troprep@deq.virginia.gov will suffice and no paper copy is required for follow-up. Original signatures are not required by DEQ, although digital signatures are to be used at the discretion of NAVFAC. The point of contact (POC) information for state regulatory spill reporting is shown below:

ARTICLE I. Agency	Article II. Contact Name:	Article III. Contact Phone	Article IV. Contact Email:
DEQ	•Website •Email Reporting •John Settle (POC) •Tammy Snell (POC)	--- --- 757-518-2179 757-518-2177	http://www.deq.virginia.gov/prep_ext/ troprep@deq.virginia.gov john.settle@deq.virginia.gov tammy.snell@deq.virginia.gov
DCR	Doug Fritz	804-371-7330	Doug.Fritz@dcr.virginia.gov
VDH	•Website •Office of Drinking Water •Div. of Shellfish Sanitation	 757-683-2000 757-683-2700	http://www.vdh.virginia.gov/lhd/ WASTEWATER http://www.deq.virginia.gov/wastewater/ reportingspills.html

Note: This contact information is subject to change at any time, and should be updated as needed.

Sewage Reporting-Virginia Department of Health

When reporting sewage spills to VDH, EPS is to contact the Division of Shellfish Sanitation by telephone. DEQ makes the remaining contacts.

National Response Center (NRC)

The NRC is the federal agency that collects information on oil spills that enter waterways and storm drains. The NRC must be notified immediately upon discovery of spill by phone:
1-800-424-8802

The ECC will report all applicable spills to the NRC prior to sending EV a spill report.

Each spill that is reported to the NRC is assigned a unique NRC spill number; this NRC number is recorded on the spill notification form that the ECC will fax to EV. The presence of this number can therefore be used as a confirmation that the NRC has received a spill report. **This number should also be noted in the initial 24-hour spill report to the DEQ as well as the Navy Spill Message**. If the NRC spill number is not present, the EPS is to contact the ECC to verify if the NRC was notified. If they have not been notified, EPS should ensure that the NRC is notified immediately.

Logbook

A hand-written spill logbook is kept at each installation to quickly reference spills and to ensure all necessary actions are taken for each spill. This logbook is used to track both reportable and non-reportable spills. The EPS is to enter spill information into the logbook as it is obtained so that the logbook can be used as a checklist to ensure that all necessary spill response actions are taken for all spills.

Local Emergency Planning Committees (LEPCs)

LEPCs are groups of local officials from various disciplines formed to enforce the requirements of EPCRA, or the Emergency Planning and Community Right-to-Know Act. LEPC develop local emergency response plans based on local activities, business, etc.

Appendix E – Construction Inspection Procedures and Annual Report

NAVFAC Mid-Atlantic / Environmental Compliance
1510 Gilbert St., Bldg. N-26
Norfolk, Va. 23511

MS4 PROGRAM ANNUAL REPORT

GENERAL INFORMATION

Permit Number: **VAR040114** Report Date: **8/27/2015**

Reporting Period: **3/16/2015** to **6/30/2015**

TOTAL NUMBER OF REGULATED LAND DISTURBING ACTIVITIES

Installation	Number of Land Disturbing Activities
Joint Expeditionary Base Fort Story	0
Joint Expeditionary Base Little Creek	6
Naval Air Station Oceana	3
Naval Air Station Oceana Dam Neck Annex	5
Naval Station Norfolk	8
Naval Support Activity Hampton Roads	2
Naval Support Activity Hampton Roads Portsmouth Annex	0
Scott Center Annex	0
Total	**24**

TOTAL NUMBER OF ACRES DISTURBED

Installation	Number of Acres Disturbed
Joint Expeditionary Base Fort Story	0
Joint Expeditionary Base Little Creek	7.77
Naval Air Station Oceana	7.39
Naval Air Station Oceana Dam Neck Annex	35.57
Naval Station Norfolk	26.33
Naval Support Activity Hampton Roads	21.97
Naval Support Activity Hampton Roads Portsmouth Annex	0
Scott Center Annex	0
Total	**99.03**

TOTAL NUMBER OF INSPECTIONS CONDUCTED

Installation	Initial Inspections	Bi-Weekly Inspections	48-Hour Producing Storm Events	Project Completion	Total per Installation
Joint Expeditionary Base Fort Story	0	0	0	0	0
Joint Expeditionary Base Little Creek	6	30	31	0	67
Naval Air Station Oceana	3	14	17	0	34
Naval Air Station Oceana Dam Neck Annex	5	30	30	0	65
Naval Station Norfolk	7	48	33	2	90
Naval Support Activity Hampton Roads	2	16	12	0	30
Naval Support Activity Hampton Roads Portsmouth Annex	0	0	0	0	0
Scott Center Annex	0	0	0	0	0
Total	23	138	123	2	286

TOTAL NUMBER OF DEFICIENCIES PER INSTALLATION

Installation	Initial Deficiencies	Repeat Deficiencies	Immediate Threat Deficiencies
Joint Expeditionary Base Fort Story	0	0	0
Joint Expeditionary Base Little Creek	43	5	0
Naval Air Station Oceana	10	5	0
Naval Air Station Oceana Dam Neck Annex	56	46	0
Naval Station Norfolk	45	36	1
Naval Support Activity Hampton Roads	18	2	0
Naval Support Activity Hampton Roads Portsmouth Annex	0	0	0
Scott Center Annex	0	0	0
Total	172	94	1

MS4 Construction Site Inspection Procedures and Tracking Mechanism User's Manual

Hampton Roads Installations

Task Orders WE09 and WE74

September 2015

(Version 5)

Prepared for

Department of Navy
Naval Facilities Engineering Command
Mid-Atlantic

Under the

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Prepared by

ch2m

Contents

PART I – CONSTRUCTION SITE INSPECTION PROCEDURES

Acronyms and Abbreviations v

1 Purpose and Background 1-1
1.1 Purpose 1-1
1.2 Background 1-1

2 MS4 Permit Construction Site Inspection Program Components 2-1
2.1 Background 2-1
2.2 Oversight Requirements 2-1
2.3 Approved Erosion and Sediment Control Plan 2-2
2.4 Inspection Schedule 2-2
2.5 Certification Requirements 2-3
2.6 Inspection Procedures 2-3
2.7 Reporting 2-4
2.8 Inspections at Installations Not Covered under the MS4 Permit 2-4

3 Procedures 3-1
3.1 Background 3-1
3.2 Roles and Responsibilities 3-1
3.3 Pre-Inspection Procedures 3-2
3.3.1 Weather Stations 3-2
3.3.2 Active Projects Database 3-3
3.3.3 Inspection Schedule 3-4
3.3.4 Projects in Secure Areas 3-5
3.3.5 Erosion and Sediment Control Plan Coordination 3-5
3.4 Construction Site Inspection Procedures 3-6
3.4.1 Initial, Bi-Weekly, Monthly, and Project Completion Inspection Procedures 3-6
3.4.2 48-Hour Runoff Producing Storm Event Inspection Procedures 3-9
3.4.3 Site Visits to Projects with No Land Disturbing Activity 3-9
3.4.4 Special Conditions 3-10

4 Reporting and Data Management 4-1
4.1 Reporting Requirements 4-1
4.2 Data Management 4-2
4.2.1 Inspection Tracking Mechanism 4-2
4.2.2 SharePoint Site 4-2

Attachments

1 Phase II MS4 General Permit VAR004
2 Minimum Standards
3 Construction General Permit VAR10
4 Erosion and Sediment Control Site Inspection Form
5 Erosion and Sediment Control Status Report and MS4 Program Annual Report Templates
6 48 Runoff Producing Storm Event Inspection Form
7 Pre-Inspection Procedures Flowchart
8 Active Project Database
9 Inspection Schedule
10 VDEQ Approval Letter Example
11 Construction Site Inspection Procedures Flowchart
12 Erosion and Sediment Control Site Inspection Field Form
13 48-Hour Runoff Producing Storm Event Procedures Flowchart
14 48-Hour Runoff Producing Storm Event Inspection Schedule
15 48-Hour Runoff Producing Storm Event Inspection Field Form
16 Site Visit Report
17 Site Visit Status Report
18 Erosion and Sediment Control Status Report Template for Installation Not Covered under the MS4 Permit

Tables

3-1 MS4 Inspections Individuals Roles and Responsibilities
3-2 Navy Rain Gauge Stations
3-3 NOAA Weather Stations

4-1 Status Report Fields

PART II – TRACKING MECHANISM USER'S MANUAL

Acronyms and Abbreviations

CGP	Construction General Permit
CI	Capital Improvement
CM	Construction Manager
CS/CD	Construction Supervisor/Construction Director
DFSCCI	Defense Fuel Support Center: Craney Island
DFSCYF	Defense Fuel Support Center: Yorktown
E&S Plan	Erosion and Sediment Control Plan
EPA	Environmental Protection Agency
ESC	Erosion and Sediment Control
FEAD	Facilities, Engineering, and Acquisitions Department
IDA	Intensely Developed Acres
JEB	Joint Expeditionary Base
JEBLC	Joint Expeditionary Base West: Little Creek
JEBFS	Joint Expeditionary Base East: Fort Story
LDA	land disturbing activities
MS4	Municipal Separate Storm Sewer System
MCM	Minimum Control Measure
N/A	Not Applicable
NALF	Naval Auxiliary Landing Field Fentress
NASDN	Naval Air Station Oceana Dam Neck Annex
NASOC	Naval Air Station Oceana
NNSYSA	Norfolk Naval Shipyard: Southgate Annex
NNSYSH	Norfolk Naval Shipyard: St Helena
NPDES	National Pollutant Discharge Elimination System
NSAHR	Naval Support Activity Hampton Roads
NSANW	Naval Support Activity Hampton Roads: Northwest Annex
NSAPX	Support Activity Hampton Roads: Portsmouth Annex
NSN	Naval Station Norfolk
NSNSJ	Naval Station Norfolk: St Juliens Creek Annex
NWSCX	Naval Weapons Station Yorktown: Cheatham Annex
NWSYT	Naval Weapons Station Yorktown
RMA	Resource Management Area
RPA	Resource Protection Area
SCA	Scott Center Annex
TBD	To be determined
VDEQ	Virginia Department of Environmental Quality
VPDES	Virginia Pollutant Discharge Elimination System
VSMP	Virginia Stormwater Management Program

SECTION 1

Purpose and Background

1.1 Purpose

The purpose of the Municipal Separate Storm Sewer System (MS4) Construction Site Inspection Procedures document is to establish written inspection procedures for regulated land disturbing activities (LDAs) at naval installations as required by the General Permit for Discharges of Stormwater from Small MS4s, Permit VAR040114. This document also describes the components of the Navy construction site inspection program in accordance with the requirements of Small MS4 General Permit Section II B 4 and the Department of the Navy Environmental Readiness Program (OPNAV M-5090.1). The written procedures identify the criteria utilized by the MS4 program to ensure construction site operators comply with the Virginia Erosion and Sediment Control Regulations and the Virginia Stormwater Management Program (VSMP) Permit regulations.

1.2 Background

In December 1999, the National Pollutant Discharge Elimination System (NPDES) Stormwater Permit program (64 Fed. Reg. 68722) was expanded to include provisions for stormwater discharges from: 1) “small” MS4s serving populations of less than 100,000 people in an “urbanized area”, and 2) construction activities disturbing between one and five acres of land. The regulations allowed the Environmental Protection Agency (EPA) to designate States as Stormwater Permitting Authorities, allowing each authorized State to administer and enforce stormwater requirements consistent with the NPDES program. As a delegated State, the Commonwealth of Virginia was required to put into practice an MS4 Phase II General Permit by December 9, 2002. The current MS4 Permit VAR04 became effective on July 1, 2013 and is valid for a 5 year permit cycle, expiring on June 30, 2018. It is included in Attachment 1.

There are several naval installations in the Commonwealth of Virginia that meet the criteria for small MS4 designation. The naval installations in the Hampton Roads area that are currently covered under the Navy’s consolidated MS4 Permit VAR040114 include:

1. Naval Station Norfolk
2. Naval Support Activity Hampton Roads (excluding NSA Northwest)
3. Joint Expeditionary Base West: Little Creek
4. Joint Expeditionary Base East: Fort Story
5. Naval Air Station Oceana
6. Naval Air Station Oceana: Dam Neck Annex
7. Naval Support Activity Hampton Roads: Portsmouth Annex
8. Scott Center Annex

The Navy developed a Regional Phase II Stormwater Program Plan for the Virginia General Permit for Small MS4s, which describes the actions the Navy will take to implement the Minimum Control Measures (MCM) as required by the permit. The MCMs include the development of written inspection procedures as well as the establishment and implementation of an inspection program for regulated land disturbing activities. The most recent Stormwater Program Plan addressing the MCMs established under the MS4 Permit can be found in the NAVFAC Environmental Compliance website in the link below:

http://www.navfac.navy.mil/navfac_worldwide/atlantic/fecs/mid-atlantic/about_us/environmental_norfolk/environmental_compliance.html

In addition, to promote good environmental stewardship, and as instructed on the OPNAV M-5090.1, construction site inspections shall be performed in Hampton Roads installations not covered under the MS4 Permit. These inspections will follow the same procedures established in the MS4 Permit Construction Site

Inspection Program but will be performed at a lesser frequency than those installations covered under the MS4 Permit. The Hampton Roads Installations not covered under the MS4 Permit include:

1. Defense Fuel Support Center: Craney Island
2. Naval Weapons Station Yorktown
3. Naval Weapons Station Yorktown: Cheatham Annex
4. Defense Fuel Support Center: Yorktown
5. Naval Auxiliary Landing Field Fentress
6. Naval Station Norfolk: Saint Juliens Creek Annex
7. Norfolk Naval Shipyard: St. Helena
8. Norfolk Naval Shipyard: Southgate Annex
9. Naval Support Activity Hampton Roads: Northwest Annex

SECTION 2

MS4 Permit Construction Site Inspection Program Components

2.1 Background

The MS4 Permit Section II B 4 construction site stormwater runoff control establishes the components of an inspection program. The components include:

- Oversight Requirements
- Approved Erosion and Sediment Control Plan
- Inspection Schedule
- Certification Requirements
- Procedures
- Reporting Requirements

This section will summarize these components.

2.2 Oversight Requirements

The MS4 Permit applicable oversight requirements state: *"The operator shall utilize its legal authority, such as ordinances, permits, orders, specific contract language, and interjurisdictional agreements, to address discharges entering the MS4 from the following land-disturbing activities: (1) Land-disturbing activities as defined in § 62.1-44.15:51 of the Code of Virginia that result in the disturbance of 10,000 square feet or greater; (2) Land-disturbing activities in jurisdictions in Tidewater Virginia, as defined in § 62.1-44.15:68 of the Code of Virginia, that disturb 2,500 square feet or greater and are located in areas designated as Resource Protection Areas (RPA), Resource Management Areas (RMA) or Intensely Developed Acres (IDA), pursuant to the Chesapeake Bay Preservation Area Designation and Management Regulations adopted pursuant to the Chesapeake Bay Preservation Act; (3) Land-disturbing activities disturbing less than the minimum land disturbance identified in subdivision (1) or (2) above for which a local ordinance requires that an erosion and sediment control plan be developed; and (4) Land-disturbing activities on individual residential lots or sections of residential developments being developed by different property owners and where the total land disturbance of the residential development is 10,000 square feet or greater. The operator may utilize an agreement in lieu of a plan as provided in § 62.1-44.15:55 of the Code of Virginia for this category of land disturbances."*

The VSMP Regulation (9VAC25-870-10) defines a land disturbing activity as a "manmade change to the land surface that potentially changes its runoff characteristics including clearing, grading, or excavation, except that the term shall not include those exemptions specified in § 62.1-44.15:34 of the Code of Virginia."

LDAs will be inspected at each of the eight Navy installations covered under the US Navy Consolidated MS4 Permit number VAR040114 in accordance with the minimum standards identified in 9VAC25-840-40. Certified Inspectors may be Navy personnel or contractors. In addition, the Inspector will inspect the implementation of appropriate controls to prevent non-stormwater discharges, such as wastewater, concrete washout, fuels and oils, and other illicit discharges identified during LDAs in accordance with the MS4 Permit. Attachment 2 includes the minimum standards as per 9VAC25-840-40 of the Erosion and Sediment Control Regulations.

The Inspector will inspect projects with LDAs greater than 10,000 square feet. Projects disturbing land equal or greater than one acre must have coverage under the General Virginia Pollutant Discharge Elimination System (VPDES) Permit for Discharges of Stormwater from Construction Activities, also referred to as the Virginia Construction General Permit (CGP) Number VAR10 included as Attachment 3. The CGP VAR10

authorizes discharges under the VSMP and the Virginia Stormwater Management Act. The current CGP became effective on July 1, 2014 and is valid for a 5 year permit cycle, expiring on June 30, 2019.

2.3 Approved Erosion and Sediment Control Plan

The MS4 Permit requires the approval of an Erosion and Sediment Control Plan (E&S Plan) prior to commencement of LDA's. As stated in the permit, "*The plan shall be: (1) Compliant with the minimum standards identified in 9VAC25-840-40 of the Erosion and Sediment Control Regulations; or (2) Compliant with department-approved annual standards and specifications. Where applicable, the plan shall be consistent with any additional or more stringent, or both, erosion and sediment control requirements established by state regulation or local ordinance.*"

The E&S Plan is a document that describes the potential for erosion and sediment on a construction project. It describes and illustrates the measures to be taken to control the erosion and transport of sediment. The E&S Plan is a stand-alone document to specifically address the requirements of E&S control measure installation, maintenance, and removal. The Navy is responsible for developing and submitting the E&S Plan for each project with LDA. This responsibility may be delegated to a contractor, but ultimately, the Navy is responsible to ensure the E&S Plan is developed, submitted and approved.

The Virginia Department of Environmental Quality (VDEQ) is the E&S Plan approving authority. VDEQ is required to approve an E&S Plan within 60 days of receipt. If the E&S Plan is inadequate, written notice of disapproval must be communicated by VDEQ to the applicant within 45 days. The written notice shall include the reasons for disapproval and the required modifications. If VDEQ does not take action within 60 days of the E&S Plan receipt, then plan is deemed to be approved.

The Inspector is not responsible for reviewing the E&S Plan but must verify there is an approved E&S Plan at the construction site. The Inspector will use the E&S Plan as a guide to check if the contractor is complying with the E&S Plan and the minimum standards.

2.4 Inspection Schedule

The MS4 Permit Section II 4 B (c) (2) requires the following inspection schedule for land disturbing activities:

- Upon initial installation of erosion and sediment controls
- At least once during every two-week period
- Within 48-hours of any run-off producing storm event
- Upon completion of the project and prior to the release of any applicable performance bonds.

These inspections are described as follows:

- An initial inspection is the first inspection conducted at the project site after the installation of perimeter controls.
- The biweekly inspections are the regular inspections conducted every two weeks.
- The inspections within 48-hours of a runoff producing rain event inspection are the inspections conducted after a rainfall event defined by the Stormwater Management Act (9VAC25-880-1) as producing 0.25 inches of rain or greater over 24 hours. Inspections need to be performed after each qualifying storm event, even if there are consecutive storms during the same week.

  At the end of the qualifying rain event where 0.25 inches per 24 hours is reached, an inspection should be conducted within 48 hours (2 business days). For example, if it began raining Monday afternoon/evening, and the qualifying 0.25 inch or greater of precipitation is achieved, then an inspection would need to be conducted Tuesday and Wednesday (weather permitting). Any rain fall/events that happen on Tuesday or Wednesday would not count as "qualifying rain events" as a 48-hour runoff producing storm event inspection is already scheduled to occur sometime during those two days. If another qualifying storm event is achieved on Thursday, new rain event inspections would need

to be conducted on Friday and/or Monday and the clock would restart again on Tuesday for the next rain event.

- The project completion inspection is the inspection after final stabilization is complete and prior to release of any applicable performance bonds. The Stormwater Management Act (9VAC25-880-1) defines final stabilization when one of the following conditions are met:

"1. All soil disturbing activities at the site have been completed and a permanent vegetative cover has been established on denuded areas not otherwise permanently stabilized. Permanent vegetation shall not be considered established until a ground cover is achieved that is uniform (e.g., evenly distributed), mature enough to survive, and will inhibit erosion.

2. For individual lots in residential construction, final stabilization can occur by either:

a. The homebuilder completing final stabilization as specified in subdivision 1 of this definition; or

b. The homebuilder establishing temporary soil stabilization, including perimeter controls for an individual lot prior to occupation of the home by the homeowner, and informing the homeowner of the need for, and benefits of, final stabilization.

3. For construction projects on land used for agricultural purposes, final stabilization may be accomplished by returning the disturbed land to its preconstruction agricultural use. Areas disturbed that were not previously used for agricultural activities, such as buffer strips immediately adjacent to surface waters, and areas that are not being returned to their preconstruction agricultural use must meet the final stabilization criteria specified in subdivision 1 or 2 of this definition."

Section 3.3.4 describe the procedures for developing and updating the Inspection Schedule.

2.5 Certification Requirements

Section II B 4 (c) (3) establishes that the inspections "*shall be conducted by personnel who hold a certificate of competence in accordance with 9VAC25-850-40."* A certificate of competence is issued to individuals who attend the required VDEQ training for Erosion and Sediment Control and successfully passes the examination for Erosion and Sediment Control Inspector.

To become a certified ESC Inspector, the individual must attend a two-day Basic Class training, and a one-day Inspector training course. Once the individual completes both courses, a provisional certification is awarded. The individual will have a period of 12 months to complete the Inspector training after the Basic Course has been taken, and an additional 12 months from completion of the training to take an exam to obtain the certificate of competence before the provisional certificate expires. The certificate of competence is valid for three years. The Inspector will have to recertify prior to the certificate of competence expiration date. To recertify, the individual may re-take the exam, attend VDEQ training courses or complete the required amount of contact hours.

2.6 Inspection Procedures

The MS4 Program inspection procedure requirements are described in Section II B 4 (e) (4) (5) (6). The permit states that the MS4 Program Plan shall include: "*(4) Written inspection procedures and all associated documents utilized during inspection including the inspection schedule; (5) Written procedures for compliance and enforcement, including a progressive compliance and enforcement strategy, where appropriate; and (6) The roles and responsibilities of each of the operator's departments, divisions, or subdivisions in implementing the minimum control measure in Section II related to construction site stormwater runoff control. If the operator utilizes another entity to implement portions of the MS4 Program Plan, a copy of the written agreement must be retained in the MS4 Program Plan. The description of each party's roles and responsibilities, including any written agreements with third parties, shall be updated as necessary."*

Sections 3 and 4 of this report describe the inspection procedures.

This document provides the written inspection procedures, describes the inspection schedule, and includes the inspection program roles and responsibilities in Section 3. The written procedures for compliance and enforcement strategy are described in the Regional Phase II Stormwater Program Plan.

2.7 Reporting

The MS4 Permit Section II B 4 (f) established the reporting requirements. It states that the "operator shall track regulated land-disturbing activities and submit the following information as part of the annual reports.

- Total number of regulated activities
- Total number of acres disturbed
- Total number of inspections conducted
- A summary of the enforcement actions taken, including total number and type of enforcement actions taken during the reporting period."

Inspection reports serve as a notice of compliance or non-compliance. It serves as a record-keeping tool to document if a project complies with the Minimum Standards, the standards and specifications of the Erosion and Sediment Control (ESC) Handbook, and if the project is being constructed in accordance with the E&S approved Plan. It also records potential deficiencies, and corrective actions. An inspection report shall always be complete even if deficiencies are not found. Attachment 4 includes the Site Inspection Report template. The information collected during the site inspections will be summarized on a status report. A Status Report template is included as Attachment 5. Section 4 describe the Status Reporting and Data Management in more detail. The required information will be obtained for each LDA and loaded in a database. The central database will be used to generate the Status Report.

VDEQ provided approval to NAVFAC MIDLANT to use a short version of the Site Inspection Report form during 48-hour runoff producing storm event inspections. The discussions were held after conducting the initial storm event inspections where Inspectors received feedback from Contractors that there was not enough time between a biweekly inspection and a 48-hour runoff producing storm event inspection to address the deficiencies before the next inspection. Therefore, during the 48-hour runoff producing storm event inspection, the Inspector will not inspect any documentation on site, and will not verify if the prior recommended corrective actions have been addressed. The intent of the inspection is to verify if there are areas where sediment or pollutants (such as fuels and oils, waste, debris, process wastewater, etc.) are leaving the project site. Attachment 6 includes the 48 Runoff Producing Storm Event Inspection Form.

2.8 Inspections at Installations Not Covered under the MS4 Permit

The Department of the Navy Environmental Readiness Program Manual (OPNAV M-5090.1) contains the policy guidance for the environmental readiness program (5090.1D, *Environmental Readiness Program).*

The OPNAV 5090, Section 20-3.2 (2) (a) details the compliance requirements for the Environmental Readiness Program including, surface water discharges. It states that "*Stormwater discharges must meet all applicable federal, state, and local permit requirements. Stormwater discharges are a major contributor to surface water quality impairment. The NPDES Stormwater Program regulates stormwater discharges from municipal separate storm sewer systems (MS4s), construction activities, and industrial activities. These types of stormwater discharges are either regulated under Phase I or Phase II of the CWA Stormwater Program. Phase I regulations apply to MS4s serving a population of 100,000 or more, as well as stormwater discharges associated with regulated industrial activities as defined in the stormwater regulations, including construction activities disturbing 5 acres of land or more. Phase II regulations apply to MS4s serving a population less than 100,000 that are located in an "urbanized area," and construction activities that disturb greater than or equal to 1 acre of land (including smaller sites in a larger common*

plan of development or sale), or as specified by an individual state. Federally-operated storm sewer systems are defined as MS4s."

The projects with LDAs located at installations not covered under the MS4 Permit will follow the same MS4 Inspection Program as those installations under the MS4 Permit with the exception of the inspection schedule. For installations are not covered under the MS4 Permit, the projects with LDAs to be inspected will be equal to or greater than one acre and require coverage under the Construction General Permit (CGP) VAR10. The CGP requires an Erosion and Sediment Control Plan, Stormwater Management Plan (9VAC25-870-55), and Stormwater Pollution Prevention Plan (9VAC25-870-56). Therefore, during construction, it is required to periodically inspect the LDAs for compliance with the approved erosion and sediment control plan and the approved stormwater management plan.

The inspections will maintain the same components of the MS4 Permit construction site inspection program, such as: oversight requirements, approved erosion and sediment control plan, certification requirements, procedures, and reporting requirements. The inspection frequency for installations not covered under the MS4 Permit is once per calendar month and 48-Hour runoff producing storm event inspections are not required.

SECTION 3

Procedures

3.1 Background

The purpose of establishing written procedures is to ensure compliance with Section II B 4 of the MS4 Permit. The written procedures include all requirements for implementing the inspection program components. This section provides describe the following:

- Roles and responsibilities,
- Pre-inspection procedures,
- Construction site inspection procedures,
- 48-Hour runoff producing storm event procedures, and
- Special conditions

3.2 Roles and Responsibilities

The individuals responsible for the compliance of the MS4 Permit Construction Site Inspections requirements are included in Table 3-1.

TABLE 3-1
MS4 Inspection Individual Roles and Responsibilities

Roles	Responsibilities
Capital Improvement (CI) Designer	Develop and submit the E&S Plan to VDEQ. A Contractor can develop and submit E&S Plans to VDEQ on behalf of the Navy. Maintain communication with VDEQ related to the approval of the E&S Plan. Provide copies of approved E&S Plan to the Construction Manager. Provide E&S Plan approval letter copy to the MS4 Program Manager.
Facilities, Engineering, and Acquisitions Department (FEAD) Construction Manager (CM)	Provide approved E&S Plan copy to the Contractor. Update the Active Project Database on a monthly basis. Review ESC Site Inspection Reports and communicate non-compliance issues to the Contractor. Ensure Contractor complies with corrective action when non-compliance issues are found.
Construction Supervisor/Construction Director (CS/CD)	Supervises the FEAD CMs. Serve as an alternate point of contact for the FEAD CM.
MS4 Program Manager	Evaluate and assess progress towards meeting measurable goals. Maintain a log to track E&S Plan review and approvals. Maintain the Active Project Database. Satisfy MS4 reporting requirements to VDEQ.
Inspector	Conduct Construction Site Inspections. Prepare ESC Site Inspection Reports for each project with LDA. Prepare Status Reports for MS4 Permit reporting compliance. Send construction site inspection reports with deficiencies to corresponding FEAD CS/CD. Note: The Inspector does not have the authority to communicate non-compliance issues to the Contractor. The FEAD CM will communicate to the Contractor the non-compliance issues.

3.3 Pre-Inspection Procedures

This section provides the step by step process related to the activities to be conducted prior to commencement of the construction site inspections. Attachment 7 includes a flowchart of the Pre-Inspection Procedures.

The pre-inspection procedures help to establish documentation and coordination with all parties to manage and conduct the construction site inspections in compliance with the MS4 Permit requirements. This section provides information on the following items.

- Weather Stations
- Active Projects Database
- Inspection Schedule
- Projects Located in Secure Areas
- Erosion and Sediment Control Plan

3.3.1 Weather Stations

Section II 4 C 2 c of the MS4 Permit requires the operator to inspect the land disturbing activities within 48 hours of any runoff producing rain event. The Stormwater Management Act (9VAC25-880-1), defines a measurable storm event as a rainfall event producing 0.25 inches of rain or greater over 24 hours. Currently, NAVFAC has weather stations with rain gauges at some of the naval installations around the Hampton Roads Area. These rain gauges are programmed to send electronic and cellular notifications when total precipitation reaches 0.10-inch.

The existing rain gauge stations cannot be programmed to send notifications when a 0.25-inch storm event is achieved. Therefore, the Inspectors will receive email and text notifications from the existing Navy rain gauge stations when a 0.10-inch storm event is achieved. The 0.10-inch event notification will serve as a notice to the inspectors that an inspection could be required if the rainfall amount reaches 0.25-inches or greater over 24 hours. The project manager, lead inspector, or designee, will monitor the anticipated rainfall amounts using the National Oceanic and Atmospheric Administration (NOAA) national weather service website (http://www.weather.gov/) hourly weather graph. An email will be sent to the inspectors stating that based on the NOAA hourly weather graph, that rainfall amounts are anticipated to reach 0.25-inches or greater over 24 hours. After this email is received, inspectors will examine their schedules and make allowances in anticipation of required inspections. The project manager, lead inspector, or designee, will monitor real-time total rainfall amounts received using the NOAA website (http://water.weather.gov/precip/) precipitation data and the NOAA weather stations listed in Table 3-3. A final email will be sent once the 0.25-inches has been reached (based on the NOAA 3 Day History updated hourly) and inspections are required. Inspectors can also check weather forecasts and rainfall amount themselves for an advanced warning of a 48 hour inspection notification. The “Weatherbug” website (http://weather.weatherbug.com/) and free smartphone application are useful tools to track rain events and rainfall amounts. The “Details” tab on the smartphone application shows the daily precipitation amount and rate/hour in a chosen location.

Table 3-2 includes the list of the Navy weather stations that will be used to send notifications to the Inspectors. Table 3-3 includes a list of the NOAA weather stations the Inspectors will use to identify when a rainfall total of 0.25-inch storm event during 24 hours has been achieved. The 48-hour runoff producing storm event inspections will not be performed at the installations not covered under the MS4 Permit.

TABLE 3-2
Navy Rain Gauge Stations

Installation	Navy Rain Gauge Station Location for 0.10-inch Storm Event Notification
Naval Station Norfolk	Naval Station Norfolk
Naval Support Activity, Hampton Roads (excluding Northwest Annex)	Naval Station Norfolk
Joint Expeditionary Base, Little Creek	Joint Expeditionary Base, Little Creek
Joint Expeditionary Base, Fort Story	Joint Expeditionary Base, Little Creek
Naval Air Station Oceana	Naval Air Station Oceana
Dam Neck Annex	Naval Air Station Oceana
NSA, Portsmouth Annex	St Julien's Creek Annex
Scott Center Annex	St Julien's Creek Annex

TABLE 3-3
NOAA Weather Stations

Installation	Location of NOAA Weather Station
Naval Station Norfolk	Norfolk, Naval Air Station (KNGU)
Naval Support Activity, Hampton Roads (excluding Northwest Annex)	Norfolk, Naval Air Station (KNGU)
Joint Expeditionary Base, Little Creek	Norfolk International Airport (KORF)
Joint Expeditionary Base, Fort Story	Norfolk International Airport (KORF)
Naval Air Station Oceana	Virginia Beach, Oceana, Naval Air Station (KNTU)
Dam Neck Annex	Virginia Beach, Oceana, Naval Air Station (KNTU)
NSA, Portsmouth Annex	Norfolk International Airport (KORF)
Scott Center Annex	Norfolk International Airport (KORF)

Links to weather station websites:
Norfolk, Naval Air Station (KNGU) - http://forecast.weather.gov/MapClick.php?lat=36.93011796300044&lon=-76.29114912099965&site=all&smap=1
Norfolk International Airport (KORF) - http://forecast.weather.gov/MapClick.php?lat=36.89542604200045&lon=-76.20048666799965&site=all&smap=1
Virginia Beach, Oceana, Naval Air Station (KNTU) - http://forecast.weather.gov/MapClick.php?lat=36.80448911400049&lon=-76.01546758999967&site=all&smap=1

3.3.2 Active Projects Database

Each Navy installation FEAD office maintains a list of active construction projects. This list identifies projects that have been awarded, including projects where LDAs have not started. This active projects database is maintained in Microsoft Excel format. The database is updated on a monthly basis. Attachment 8 includes an example of the Active Project Database.

In order to comply with the MS4 Permit requirements, maintaining an up-to-date list is crucial. The procedures to maintain an updated list of all active and future projects with LDAs are as follows:

1. The MS4 Program Manager will request the 1st of each month an updated list of active projects from each installation FEAD Construction Manager.
2. The MS4 Program Manager will compile the information from all installations and update the Active Construction Projects master list. The master list will be provided to the Inspectors by the 15th of every month.

3. The Inspectors will review the updated master list and identify any projects with new land disturbing activities.
4. The first visit to active land disturbing activity projects will be the Initial Inspection visit, even if the project construction has already started.
5. The inspection schedule will be updated if new projects are added and a Project Code will be created by the Inspector.
6. The active project database list will be updated in the tracking mechanism database.
7. When new projects are included, an updated schedule will be distributed to the Inspector, MS4 Program Manager, and the Construction Managers and Supervisors.

The active project database includes projects with active LDAs, projects not started, active projects with no LDAs (interior construction), on hold, and complete.

3.3.3 Inspection Schedule

The Inspector will develop an inspection schedule to comply with the requirements of Section II 4 C 2 of the MS4 Permit. The schedule will include the days of the week when performing initial inspections, bi-weekly inspection, monthly inspections, and project completion inspections. An example of the inspection schedule is included in Attachment 9.

Two separate inspection schedules will be prepared in a monthly basis: a bi-weekly inspection schedule and a monthly inspection schedule. The bi-weekly inspection schedule includes the projects with LDAs located at installations covered under the MS4 Permit and the monthly inspection schedule includes the projects with LDAs at installations not covered under the MS4 Permit.

Each inspection schedule will include the following information:

- Date
- Naval installation where inspections will be conducted each day
- Inspection hours for each day, for example: 0700 – 1400
- Names of the projects to be inspected each day

The inspection schedule will be modified on a monthly basis, as needed, when new projects start LDAs, when projects are completed, and when new projects are added to the active project database where LDAs have not started (site visits). The procedures related to the inspection schedule are as follows:

1. The MS4 Program Manager will provide the Inspector an updated active project database electronically via email by the 15th of every month.
2. The Inspector will update the inspection schedules to include the initial inspection, bi-weekly inspections, monthly inspections, project completion inspections, and where site visits (drive-bys) will be performed to verify if LDAs have started (at installations covered under the MS4 Permit only). The inspection schedule dates may be adjusted based on new projects location, holidays, and adverse weather, among others.
3. The Inspector will provide the updated Inspection Schedule electronically via email to the MS4 Program Manager by the 1st of each month. If schedule has been updated, a revised version will be provided immediately via email.
4. The MS4 Program Manager will send the Inspection Schedule to the FEAD offices.

Projects with active LDAs at installations covered under the MS4 Permit will be visited bi-weekly as per Section II 4 C 2 of the MS4 Permit. Projects that have not started or are active with no LDAs will be visited every 4 weeks to identify if LDAs started. If LDAs have started, these projects will be added to the regular bi-weekly schedule. Projects with active LDAs at installations not covered under the MS4 Permit will be visited

once per calendar month. Site visits will not be performed for projects that have not started LDAs at installations not covered under the MS4 Permit.

3.3.4 Projects in Secure Areas

Some of the Navy installations have secure areas where the Inspector needs to be escorted at all times. The projects located within secure areas are identified in the active project database detailed in Section 3.3.2. The procedures to gain access to conduct inspections are as follows:

1. The Inspectors will request a 12-month clearance to the secure areas. The information will be sent to the MS4 Program Manager. The Inspector shall include the following information: full name, social security number, date of birth, and place of birth.
2. The Inspector can be escorted by the Contractor if clearance has been provided.
3. If the Contractor is unavailable or clearance has not been obtained, then:
    a. The FEAD CM will review the Inspection Schedule to identify the dates where projects within secure areas will be inspected.
    b. The Inspector will email the FEAD CM a week in advance by Thursday that escort is required to the secure area.
    c. The Inspector will coordinate a specific time to be escorted to the project with the corresponding CM. The coordination can be made via email or phone call. The Inspectors shall adhere to the Inspection Schedule to comply with the MS4 Permit requirements. The CM shall schedule a time on the project inspection date.
4. If additional clearance is needed to access secure area, the MS4 Program Manager will coordinate and submit the required information to the installations.

3.3.5 Erosion and Sediment Control Plan Coordination

Land disturbing activities require an Erosion and Sediment Control Plan (E&S Plan) approved by the VDEQ. The E&S Plans are approved by VDEQ and sent to the Capital Improvement (CI) Designer Offices. The MS4 Program Manager receives copies of the approval letters from VDEQ but not a copy of the E&S Plan. This section describes the coordination procedures with the Navy related to the Erosion and Sediment Control plan approval process. An example of a VDEQ E&S Plan Approval letter is included as Attachment 10.

Projects that started LDAs prior to the MS4 Permit effective date may be grandfathered under the previous permit and are not required to have a plan or plans may have been approved by the Navy. The E&S Plan status of each of the projects with LDAs is needed by the Inspector prior to starting construction site inspections to identify if a project is in compliance with the MS4 Permit requirements. The E&S Plan submittal and approval process coordination is as follows:

1. The CI Design Department or Contractor develops and submits the E&S Plan to VDEQ for approval for each of the projects. The CI Designer Department or Contractor is the main point of contact between the Navy and VDEQ related to the E&S Plans.
2. The CI Department receives the approved E&S Plans and the VDEQ E&S Plan Approval Letter from VDEQ.
3. The CI Department provides a copy of the approved E&S Plan to the corresponding FEAD CM.
4. The CI Department provides a copy of the VDEQ E&S Plan Approval Letter to the MS4 Program Manager.
5. The FEAD CM provides a copy of the approved E&S Plan to the Contractor.
6. The MS4 Program Manager will provide a copy of the VDEQ E&S Plan Approval Letter to the Inspector. If the project started LDAs prior to the MS4 Permit effective date, the project may be grandfathered and not require an E&S Plan or the E&S Plan may have been approved by the Navy.

7. The Inspector will update the Inspection Tracking Central database and upload a copy of the Approval Letter to the SharePoint site.
8. Inspections may be started without an approved E&S Plan.
9. In the Active Project Database, the MS4 Program Manager or the CI Designers will indicate the status of the E&S Plan (e.g. approved, submitted, rejected, etc.).

If the project has LDAs equal or greater than one acre, then the VDEQ letter will include the approval for the E&S Control Plan and the Stormwater Management Plan. The Stormwater Pollution Prevention Plan (SWPPP) is not reviewed or approved by VDEQ but can be requested by VDEQ in the event of a regulatory site inspection.

3.4 Construction Site Inspection Procedures

The purpose of construction site inspections is to verify that the project complies with the requirements set forth in the ESC Law, the ESC Regulations, and the VESC Handbook. This section provides the step by step process related to the activities to be conducted during the construction site inspections. The procedures will be implemented to comply with Section II B 4 (c) (2) of the MS4 Permit. The permit requires the following inspection schedule for LDAs:

- Upon initial installation of erosion and sediment controls (Initial Inspection);
- At least once during every 2-week period (Bi-Weekly Inspection)
- Within 48 hours of any run-off producing storm event; and
- Upon completion of the project and prior to the release of any applicable performance bonds (Project Completion Inspection).

The projects with LDAs located at installations not covered under the MS4 Permit will follow the same procedures as those installations under the MS4 Permit with the exception of the inspection schedule. Even though the installations are not covered under the MS4 Permit, the procedures described herein apply since the projects to be inspected are equal or greater than one acre and require coverage under the Construction General Permit (CGP) VAR10.

For all inspections, the Site Inspection Reports will be uploaded on the SharePoint site on a daily basis in a PDF format. The information collected during the daily inspections will be uploaded into the central database in a weekly basis. Status reports will be created from the central database.

3.4.1 Initial, Bi-Weekly, Monthly, and Project Completion Inspection Procedures

The initial, bi-weekly, and project completion inspections will follow the same procedures. These inspections will be performed during normal business days, Monday through Friday. Section 2.4 provides a definition for each of the inspection types. If a 48-hour runoff-producing storm event inspection is conducted and the bi-weekly inspection is scheduled to occur on that day, the 48-hour storm event inspection will also serve as the bi-weekly inspection. A flowchart describing the workflow for these inspections is included as Attachment 11.

The monthly inspections for projects with LDAs at installations not covered under the MS4 Permit will follow the same procedures as the initial, bi-weekly, and project completion inspections with the exception that the inspections will be performed once per calendar month.

The procedures for the initial, bi-weekly, monthly, and project completion inspections are as follows:

1. Inspections will be conducted based on the Inspection Schedule.
2. The Inspector will check-in at the construction trailer when he/she arrives at the construction site. Construction trailers may not be on site for small projects. If there is no construction trailer, the Inspector will find the Contractor Supervisor or Foreman prior to starting the site inspection. For projects located within secure areas, the construction trailer will be outside the secure area and not located at

the project site. For projects with the same Contractor and located at multiple sites, the construction trailer may not be located at the project site to be inspected.

3. The Inspector will discuss the following items with the Contractor Foreman or Supervisor:
   a. Inspector will introduce him/herself and explain their role.
   b. The Inspector will request the approved E&S Plan and during the initial inspection, he/she will request if an electronic PDF copy of the E&S Plan is available. An electronic copy of the E&S Plan will help the Inspectors perform inspections within 48 hours of a runoff producing storm event more efficiently.
   c. At the initial site inspection, notify the Contractor that photographs will be taken on site and will avoid any sensitive areas of the installation. Note that photographs are not permitted inside secure areas. Electronic devices including cellphone devices must be left in the car when accessing secure areas.
   d. The Inspector shall explain to the Contractor that they don't have the authority to provide a report of any observed deficiencies to the Contractor. The project FEAD CM will be responsible for reporting any deficiencies, if found, and their corresponding corrective actions to the Contractor.
4. The Inspector will perform the construction site field inspection.
5. The Inspection will complete the Site Inspection Form for each project, even if no deficiencies are observed and Attachment 12 includes a copy of the form. During inspections, the Inspector will provide the following information.
   a. Verify if the project has an approved E&S Plan. If the project does not have an approved E&S Plan, the Inspector will contact the MS4 Program Manager and the FEAD CM to verify if an E&S Plan has been developed or if the project started prior to the MS4 Permit effective date. If projects started land disturbing activities prior to the new MS4 Permit, the project may be grandfathered under the previous MS4 Permit or the E&S Plan may have been approved by the Navy.
   b. Identify if any previous deficiencies have been corrected. If so, the Inspector will note it in the report. If the deficiencies have not been corrected, the Inspector will mark the deficiency as a repeat deficiency.
   c. Verify the project is being constructed in accordance with the approved E&S Plan.
   d. Verify if the project complies with the minimum E&S standards and specifications.
   e. Verify perimeter controls and adjacent properties.
   f. Verify areas where sediment is likely to leave the site.
   g. Verify any environmental sensitive areas.
   h. Inspect the project outfall.
6. If deficiencies are found:
   a. The Inspector will verify if deficiencies are an immediate threat to the safety of the personnel, and adjacent properties. If deficiencies present are considered an immediate threat, these deficiencies will require immediate corrective actions.
      i. If an immediate threat is identified, then:
         - The Inspector will contact the corresponding project FEAD CM and discuss the deficiency and required immediate corrective action.
         - If the Inspector cannot reach the FEAD CM, the Inspector will contact the FEAD Construction Supervisor.

- After contacting the CM, the Inspector will contact the MS4 Program Manager.
- The Inspector will complete the site inspection report.
- The Inspector will upload an electronic PDF copy of the Site Inspection Report into the SharePoint.
- Daily alerts will be sent via email to the MS4 Program Manager with a summary of the reports that have been uploaded into the SharePoint site. A notification will be created for each of the installations individually and will be sent automatically directly from the SharePoint site via email every night at 11:00 PM EST.
- The MS4 Program Manager, Inspector or designee will send the report with deficiencies to the corresponding FEAD CS/CD. The FEAD office will distribute the report to the corresponding FEAD CM and Contractor.
- The Inspector will continue with the regular bi-weekly or monthly inspection and verify if the corrective actions have been addressed. The Inspector will not be notified of the discussions between the FEAD CM and the Contractor.
- The Inspector will verify if the deficiencies have been corrected during the next scheduled bi-weekly inspection or monthly inspection for a project is located in an installation not covered under the MS4 Permit.
- If a deficiency has not been corrected, it will be marked as a repeat deficiency in the Site Inspection Form and the same process will be followed as described in this section.

ii. If no immediate threat is observed:

- The Inspector will complete the site inspection report.
- The Inspector will upload an electronic copy in PDF of the Site Inspection Report into the SharePoint.
- Daily alerts will be sent via email to the MS4 Program Manager with a summary of the reports that have been uploaded into the SharePoint site. A notification will be created for each of the installations individually and will be sent automatically directly from the SharePoint site via email every night at 11:00 PM EST.
- The Inspector will continue with the regular bi-weekly or monthly inspection. The Inspector will not be notified of the discussions between the FEAD CM and the Contractor.
- The Inspector will verify if the deficiencies have been corrected during the next scheduled bi-weekly inspection or monthly inspection for a project is located in an installation not covered under the MS4 Permit.
- If a deficiency has not been corrected, these will be marked as a repeat deficiency in the Site Inspection Form and the same process will be followed as described in this section.

7. If no deficiencies are observed:
   a. The Inspector will complete the site inspection report.
   b. The Inspector will upload an electronic copy in PDF of the Site Inspection Report into the SharePoint site.
   c. Continue with the regular bi-weekly or monthly inspection.

3.4.2 48-Hour Runoff Producing Storm Event Inspection Procedures

A 48-hour runoff producing rain event is defined as a rainfall event producing 0.25 inches of rain or greater over 24 hours, as described in Section 2.4 of this report. Inspections have to be conducted within 48 hours of the end of the storm event. If the event occurs during the weekend, holidays, or outside of business hours, the Inspections will be conducted the next business day (Monday through Friday, excluding holidays). Attachment 13 includes a flowchart of the 48-Hour Runoff Producing Storm Event Inspection procedures.

During the 48-hour runoff producing storm event inspection, the Inspector will not inspect any documentation on site, and will not verify if the prior recommended corrective actions have been addressed. The intent of the inspection is to verify if there are areas where sediment or pollutants (such as fuels and oils, waste, debris, process wastewater, etc.) are leaving the project site. Full inspections will only be conducted if the project was scheduled to have a biweekly inspection on the day the 48-hour runoff producing storm event inspection is been conducted.

Since inspections have to be conducted within 48 hours, additional Inspectors will be activated to be able to comply with the MS4 Permit requirement. A separate inspection schedule will be developed to allow assignment of projects by Inspector per installation to ensure that all projects are inspected within the required timeframe. An example of this schedule is included as Attachment 14. The 48-hour runoff producing storm event inspection schedule will be updated as new projects are added or projects are completed and eliminated from the Active Project Database.

48-Hour runoff producing storm event inspections will not be performed at installations not covered under the MS4 Permit.

The procedures for the 48-Hour Runoff Producing Storm Event Inspections are as follows:

1. One Inspector from the team will monitor the weather for potential storm events.
2. All backup Inspectors will be notified of a potential 48-Hour runoff producing storm event.
3. Inspectors will receive a notification from the Navy rain gauges electronically via email and a text message when a storm event have reached 0.10 inch of rain. Table 3-2 includes the corresponding Navy rain gauges for each installation.
4. The Inspectors will start monitoring the weather stations referenced under Section 3.3.1 for each installation.
5. Projects will be assigned by installation to each of the Inspectors.
6. When a storm event of 0.25 inches or greater is achieved, Inspectors will start conducting Construction Site Inspections. The 48-hour inspection window starts at the end of the storm event. If weather conditions allow it (no thunderstorms or adverse weather), the Inspectors may choose to start inspections right away.
8. The Inspector will follow the procedures in Section 3.4.1. Attachment 15 includes a copy of the 48-Hour Runoff Producing Storm Event Inspection Field Form.
7. If the Inspector visits the site and find that project LDAs are suspended due to weather conditions, the Inspector will contact the FEAD CM and identify when the LDAs will be resumed. The Inspector will attempt to conduct a second inspection. If the LDAs are still suspended, then the Inspector will conduct the next inspection as per the regular bi-weekly schedule.

3.4.3 Site Visits to Projects with No Land Disturbing Activity

The site visit to projects with no LDAs consist of visiting the projects included in the active project database where the status is identified as not started or active with no LDAs (interior construction). Many times, Contractors have mobilized to the site but are waiting for the VDEQ E& Control Plan approval or the CGP approval before starting LDAs. Therefore, activities may start quickly without notice to the Inspectors. Even

though is not a requirement to visit these sites as per the MS4 permit, it is important to record visits to these locations and the status of the LDAs.

These site visits will be performed every four (4) weeks during normal business days, Monday through Friday. The site visit may consist of a drive-by if no personnel is on site or a conversation with the Contractor if mobilization has occurred. The Site Visit Report template is included as Attachment 16.

The procedures for the Site Visits is as follows:

1. Inspections will be conducted based on the Inspection Schedule (every 4 weeks).
2. The Inspector will check-in at the Construction Trailer when he/she arrives at the construction site. Construction trailers may not be on site for small projects. If there is no Construction Trailer, the Inspector will find the Contractor Supervisor or Foreman. For projects within secure areas, Construction Trailer is located at a different location than the project and outside of the secure area. This may also occur for projects located at different sites but that have the same Contractor.
3. The Inspector will complete the site visit report.
4. The Inspector will upload an electronic copy in PDF of the Site Visit Report into the SharePoint site.
5. Continue with the regular inspections every four weeks until the project start LDAs.

3.4.4 Special Conditions

The special conditions section includes a description of the procedures if there is a snowstorm or freezing conditions.

- If the snow fall doesn't produce any runoff, then no inspections will be conducted.
- If the snow accumulates, the runoff producing event doesn't happen until the snow melts and produces runoff.
- The Construction General Permit (VAR10), Part II F (SWPPP Inspections) establishes a potential inspection frequency reduction if there are frozen ground conditions as follows: "*b. Where areas have been temporarily stabilized or land-disturbing activities will be suspended due to continuous frozen ground conditions and stormwater discharges are unlikely, the inspection frequency may be reduced to once per month. If weather conditions (such as above freezing temperatures or rain or snow events) make discharges likely, the operator shall immediately resume the regular inspection frequency.*"
- The Inspector will discuss a potential change to the schedule with the MS4 Program Manager and its reasons. The MS4 Program Manager must approved the change to the inspection schedule.

SECTION 4

Reporting and Data Management

4.1 Reporting Requirements

Section II B 4 of the MS4 Permit requires that the operator track regulated land-disturbing activities and submit the following information as part of the annual reports.

- Total number of regulated activities
- Total number of acres disturbed
- Total number of inspections conducted
- A summary of the corrective actions taken, including total number and type of corrective action taken during the reporting period.

The construction site inspection status reports will be used to create the MS4 Program annual report. The status reports will be created and submitted on a monthly basis to the MS4 Program Manager. The report will enable the MS4 Program Manager to assess the status of all projects with LDAs at each of the Navy installations under the MS4 Permit with a summary of the projects where initial deficiencies, repeat deficiencies, and deficiencies that pose an immediate threat were observed. The report includes the MS4 Permit required information by installation with a total for all installations. Table 4-1 includes a description of the fields used in the Status Report. The source of all information is from the site construction inspections. Attachment 5 includes the Erosion and Sediment Control Status Report template and the MS4 Program Annual Report template. Attachment 17 includes the Site Visit Status Report template which summarizes the number of site visits conducted per installation. Attachment 18 includes the Erosion and Sediment Control Status Report Template for installations not covered under the MS4 Permit.

TABLE 4-1
Status Report Fields

Field	Description
Permit Number	US-Navy Consolidated MS4 Permit number VAR040114
Report Date	Date the report is created
Reporting Period	Start and end dates of reporting inspection period
Total Number of Regulated Land Disturbing Activities table	Count of all construction projects with LDAs per installation
Total Number of Acres Disturbed table	The sum of land disturbed area in acres for projects with active LDAs per installation during the reporting period
Total Number of Inspections Conducted table	Count of all the construction site inspections conducted during the reporting period per inspection type and per installation. There are four types of inspections based on the MS4 Inspection Schedule: Initial Inspection, Bi-Weekly Inspection, 48-Hour Runoff Producing Storm Event Inspection, and Project Completion Inspection.
Summary of Deficiencies per Installation table	Includes a summary of the projects per installation were deficiencies where observed. Includes the following: - Count of the total number of initial deficiencies observed - Count of the total number repeat deficiencies observed - Count of the total number of corrective immediate threat actions taken - List of projects and corresponding inspection dates where deficiencies were observed.

4.2 Data Management

The MS4 Construction Site Inspection information will be collected electronically using a series of tracking tools developed in Microsoft Access. These tools will be used for record-keeping and developing the inspection and status reports to comply with the reporting requirements under the MS4 Permit. The tracking mechanism consists of:

- An inspection data collection tracking tool (Field Tool)
- An inspection tracking central database, and
- A SharePoint site for web-based access

A User's Manual has been developed and included as Part II of this Report. The following sections provide a brief summary of the purpose of the record-keeping and tracking mechanisms User's Manual. For more details related to each mechanism and their interface, refer to the User's Manual in Part II of this report.

4.2.1 Inspection Tracking Mechanism

The Inspection Tracking Mechanism consists of a data collection tracking tool and a central database designed as Microsoft Access databases. It will be used in the field to collect the information required for the Site Inspection Form. The field collection tool (Field Tool) is a viewer that contains the forms, queries, and reports. This Field Tool is linked to the central database. The central database stores all the information regarding the inspections performed. The Inspectors also have the capability of producing the Site Inspection Report in PDF format. These reports will be uploaded on a daily basis to the SharePoint site. The Central Database will be updated on a weekly basis.

4.2.2 SharePoint Site

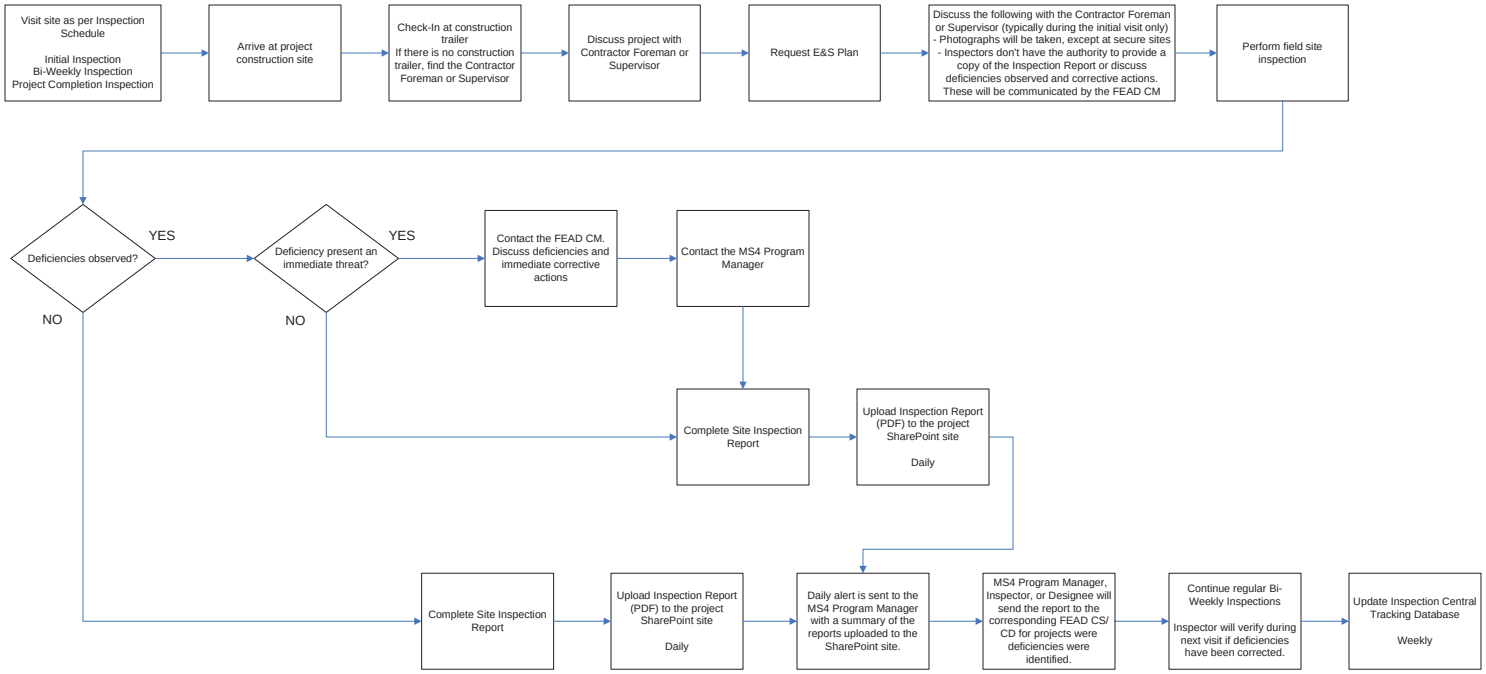
A SharePoint site has been developed inside the CH2M HILL network server to serve as the main record keeping location of all project information, site Inspection reports, and status reports. Inspectors will be able to send automatic notifications to the CMs when deficiencies are observed during Site Inspection Reports. It will also contain an up to date inspection schedule. The SharePoint site will not be transferred to the Navy at the end of the project but information included on the SharePoint site, tracking tool, and database will be provided to the Navy. Navy users will have the capability to access the SharePoint site using an assigned CH2M HILL user name.

Attachment 11
Construction Site Inspection Procedures Flowchart

TASK ORDERS WE09 & WE74 - MS4 CONSTRUCTION SITE INSPECTIONS FOR HAMPTON ROADS INSTALLATIONS

Construction Site Inspection Procedures

Updated: 09 September 2015



Acronyms
CM = Construction Manager
CS/CD = Construction Supervisor/Construction Director
E&S Plan = Erosion and Sediment Control Plan
FEAD = Facilities, Engineering, and Acquisitions Department
Inspector = CH2M HILL

Notes:
- Some projects with LDAs may not have a construction trailer. If that occurs, identify the Contractor Supervisor or Foreman. If no one is available on site, conduct a drive-by inspection and note it in the Site Inspection Report.
- Projects with no active LDAs or interior demolition/work will be visited once a month to verify if there are LDAs. If there are no LDAs, complete the Site Visit Report indicating that there are no active LDAs.

Appendix F – E&S Control and SWM Plan Approval SOPs

Erosion and Sediment Control Plan Guidance for CI Community, Virginia AOR's:

An Erosion and Sediment Control Plan shall be developed and submitted to the Virginia Department of Environmental Quality (DEQ) for review and approval for all regulated land disturbing activities greater than or equal to 10,000 square feet in size occurring at any Navy installations and annexes in Virginia.

All Erosion and Sediment Control Plans submitted to the State for approval shall comply with the criteria, techniques and methods specified in the Virginia Erosion and Sediment Control Law and Regulations.

The Virginia Erosion and Sediment Control Handbook (VESCH) includes in Chapter 6 guidance detailing E&S Control plan preparation. The VESCH should be utilized as a guidance document for all E&S Control plans that will be prepared and submitted to the Virginia DEQ for approval.

VESCH Chapter 6 Link Provided:
http://www.deq.state.va.us/Portals/0/DEQ/Water/StormwaterManagement/Erosion_Sediment_Control_Handbook/Chapter%206.pdf

E&S Control Plan submittal packages shall be mailed to the Virginia DEQ Office of Stormwater Management; attention Stormwater Plan Review Coordinator. The mailing address is:

Via Postal Mail
DEQ
Office of Stormwater Management, 10th Floor
Attn: Stormwater Plan Review Coordinator
PO Box 1105 Richmond, VA 23218

Via FedEx or UPS
DEQ
Office of Stormwater Management, 10th Floor
Attn: Stormwater Plan Review Coordinator
629 East Main Street
Richmond, VA 23219

E&S Control Plan submittal packages shall include the following items at minimum:

(1) Cover Letter (See enclosure #1)
(2) Full Size E&S Control Plan Sheets; folded to 8-1/2 x 11 (2 copies)
(3) Erosion and Sediment Control Narrative, including all required calculations. (2 copies)
(4) Completed copy of E&S Control Plan Checklist found in Chapter 6 of VESCH (See enclosure #2)

Use the cover letter template that is provided as enclosure #1 with this document and submit it along with your E&S plan submittal package. The cover letter template was developed to promote

consistency and ensure the required project information is submitted to all applicable parties. Copy Phillip Winslow of NAVFAC EV Core on submissions to the STATE as the representative for NAVFAC EV, and include half size plan sheets.

Mr. Phillip Winslow
NAVFAC Mid-Atlantic – Environmental
1510 Gilbert Street
Bldg N26, Rm 3208
Norfolk, Va. 23511

Please ADD the following NOTE to your E/S plan to meet requirements in section 62.1-44.15:55.(B) and Section 62.1-44.15:52 of the E&S law that requires the person responsible for carrying out the plan to certify that he will properly perform the erosion and sediment control measures included in the plan and shall comply with the provisions of this article.

*****ADD NOTE TO E&S CONTROL PLAN*****

"The Contractor selected to complete the regulated land disturbing activity as shown on these drawings is responsible for implementing the approved Erosion and Sediment Control Plan in conjunction with the project specification's. Prior to the commencement of this activity, in accordance with the Va. E&S Control Law, the Contractor shall designate an individual holding a certificate of competency with the State as the person responsible for carrying out the approved plan, and provide the name of this individual to the plan approving authority."

Enclosure #1: E&S Plan Submission Cover Letter

Date

Virginia Dept. of Environmental Quality
Office of Stormwater Management
629 East Main Street
Richmond, VA 23219

RE: U.S. Navy Project No.:
U.S. Navy Project Name:
Project Location:
Erosion and Sediment Control Plan Review Submission Package

Mr. Gavan:

For review and approval in accordance with the requirements of the Virginia Erosion and Sediment Control Law and Regulations, enclosed are the erosion and sediment control plan and narrative for the above referenced project.

Please use the contact information provided below if during your department's review of the enclosed submission package there are any questions or if additional information is required. Additionally, please copy Mr. Phillip Winslow on all correspondences sent related to this submittal.

Project Contact Information:
E&S Plan Engineer:
Contact Name:
Address:
Telephone No.:
Email Contact Information:

NAVFAC Environmental Compliance Representative:
Mr. Phillip Winslow
1510 Gilbert Street
Bldg N26, Rm 3208
Norfolk, Va. 23511
Phone: (757) 341-0382
Email: Phillip.Winslow@Navy.mil

Sincerely,

Submitting Person/Party

Enclosure: E&S Control Submittal Checklist
E&S Control Plan
E&S Control Narrative

Cc: NAVFAC CI
NAVFAC EV, Phillip Winslow

Enclosure #2: E&S Control Plan Submission Checklist

CHECKLIST

FOR EROSION AND SEDIMENT CONTROL PLANS

_____ Minimum Standards - All applicable Minimum Standards must be addressed.

NARRATIVE

_____ Project description - Briefly describes the nature and purpose of the land-disturbing activity, and the area (acres) to be disturbed.

_____ Existing site conditions - A description of the existing topography, vegetation and drainage.

_____ Adjacent areas - A description of neighboring areas such as streams, lakes, residential areas, roads, etc., which might be affected by the land disturbance.

_____ Off-site areas - Describe any off-site land-disturbing activities that will occur (including borrow sites, waste or surplus areas, etc.). Will any other areas be disturbed?

_____ Soils - A brief description of the soils on the site giving such information as soil name, mapping unit, erodibility, permeability, depth, texture and soil structure.

_____ Critical areas - A description of areas on the site which have potentially serious erosion problems (e.g., steep slopes, channels, wet weather/ underground springs, etc.).

_____ Erosion and sediment control measures - A description of the methods which will be used to control erosion and sedimentation on the site. (Controls should meet the specifications in Chapter 3.)

_____ Permanent stabilization - A brief description, including specifications, of how the site will be stabilized after construction is completed.

_____ Stormwater runoff considerations - Will the development site cause an increase in peak runoff rates? Will the increase in runoff cause flooding or channel degradation downstream? Describe the strategy to control stormwater runoff.

_____ Calculations - Detailed calculations for the design of temporary sediment basins, permanent stormwater detention basins, diversions, channels, etc. Include calculations for pre- and post-development runoff.

Checklist (continued)

SITE PLAN

_____ Vicinity map - A small map locating the site in relation to the surrounding area. Include any landmarks which might assist in locating the site.

_____ Indicate north - The direction of north in relation to the site.

_____ Limits of clearing and grading - Areas which are to be cleared and graded.

_____ Existing contours - The existing contours of the site.

_____ Final contours - Changes to the existing contours, including final drainage patterns.

_____ Existing vegetation - The existing tree lines, grassed areas, or unique vegetation.

_____ Soils - The boundaries of different soil types.

_____ Existing drainage patterns - The dividing lines and the direction of flow for the different drainage areas. Include the size (acreage) of each drainage area.

_____ Critical erosion areas - Areas with potentially serious erosion problems. (See Chapter 6 for criteria.)

_____ Site Development - Show all improvements such as buildings, parking lots, access roads, utility construction, etc.

_____ Location of practices - The locations of erosion and sediment controls and stormwater management practices used on the site. Use the standard symbols and abbreviations in Chapter 3 of this handbook.

_____ Off-site areas - Identify any off-site land-disturbing activities (e.g., borrow sites, waste areas, etc.). Show location of erosion controls. (Is there sufficient information to assure adequate protection and stabilization?)

_____ Detail drawings - Any structural practices used that are not referenced to the E&S handbook or local handbooks should be explained and illustrated with detail drawings.

_____ Maintenance - A schedule of regular inspections and repair of erosion and sediment control structures should be set forth.

Stormwater Management Plan Guidance for CI Community, Virginia AOR's:

A Stormwater Management Plan shall be developed and submitted to the Virginia Department of Environmental Quality (DEQ) for review and approval for all regulated land disturbing activities greater than or equal to 1 acre in size occurring at any Navy installations and annexes in Virginia.

All Stormwater Management Plans submitted to the State for approval shall comply with the criteria, techniques and methods specified in the Virginia Stormwater Management Law and Regulations.

A Stormwater Management Plan submittal checklist is provided as enclosure #2 with this guidance.

Stormwater Management Plan submittal packages shall be mailed to the Virginia DEQ, Office of Stormwater Management; attention Stormwater Plan Review Coordinator. The mailing address is:

Via Postal Mail
DEQ
Office of Stormwater Management, 10th Floor
Attn: Stormwater Plan Review Coordinator
PO Box 1105 Richmond, VA 23218

Via FedEx or UPS
DEQ
Office of Stormwater Management, 10th Floor
Attn: Stormwater Plan Review Coordinator
629 East Main Street
Richmond, VA 23219

Stormwater Management Plan submittal packages shall include the following items at minimum:

(1) Cover Letter (Enclosure #1)
(2) Full Size SWM Plan Sheets; folded to 8-1/2 x 11 (2 copies)
(3) SWM plan supporting calculations. (2 copies)
(4) Completed copy of SWM Plan Submittal Checklist (See enclosure #2)

Use the cover letter template that is provided as enclosure #1 with this document and submit it along with your SWM Plan package. The cover letter template was developed to promote consistency and ensure the required project information is submitted to all applicable parties. Copy Phillip Winslow of NAVFAC EV Core on submissions to the STATE as the representative for NAVFAC EV, and include half size plan sheets.

Mr. Phillip Winslow
NAVFAC Mid-Atlantic – Environmental
1510 Gilbert Street
Bldg N26, Rm 3208, Norfolk, Va. 23511

Enclosure #1: SWM Plan Submission Cover Letter

Date

Virginia Dept. of Environmental Quality
Office of Stormwater Management
629 East Main Street
Richmond, VA 23219

RE: U.S. Navy Project No.:
U.S. Navy Project Name:
Project Location:
Stormwater Management Plan Review Submission Package

Mr. Gavan:

For review and approval in accordance with the requirements of the Virginia Stormwater Management Law and Regulations, enclosed are the SWM plan and supporting calculations for the above referenced project.

Please use the contact information provided below if during your department's review of the enclosed submission package there are any questions or if additional information is required. Additionally, please copy Mr. Phillip Winslow on all correspondences sent related to this submittal.

Project Contact Information:
SWM Plan Engineer:
Contact Name:
Address:
Telephone No.:
Email Contact Information:

NAVFAC Environmental Compliance Representative:
Mr. Phillip Winslow
1510 Gilbert Street
Bldg N26, Rm 3208
Norfolk, Va. 23511
Phone: (757) 341-0382
Email: Phillip.Winslow@Navy.mil

Sincerely,

Submitting Person/Party

Enclosure: SWM Submittal Checklist
SWM Plan
SWM Plan Supporting Calculations

Cc: NAVFAC CI
NAVFAC EV, Phillip Winslow

Enclosure #2: SWM Plan Submission Checklist

PLAN SUBMITTER'S CHECKLIST

FOR STORMWATER MANAGEMENT PLANS

Please fill in all blanks and reference the plan sheets/pages where the information may be found, where appropriate, or write N/A by items that are not applicable.

GENERAL

Plan Submission Date _____
Project Name _____
VSMP Permit Number _____
Site Plan Number _____
Site Address _____
Applicant _____ Phone Number _____
Applicant Legal Address _____
Owner _____ Phone Number _____
Principal Designer _____ Phone Number _____

_____ Professional's seal - The designer's original seal, signature, and date are required on the *cover* sheet of each Narrative and each set of Plan Sheets. A facsimile is acceptable for subsequent Plan Sheets.

_____ Number of plan sets – Attach two sets of SWM Plans.

_____ Exceptions - Exceptions requested are governed by Section 9VAC25-870-57 of the *Virginia Stormwater Management Regulations*.

_____ Local Consideration – Provide contact information for the locality's plan review coordinator.
Name _____ Phone Number _____
Address _____

_____ Grandfathering - Attach supporting documentation consistent with the requirements of Section 9VAC25-870-48 of the *Virginia Stormwater Management Regulations*.

_____ Offsite Compliance – Attach letter of availability from the off-site provider as governed by Section 9VAC25-870-55 of the *Virginia Stormwater Management Regulations*.

PROJECT NAME: _____ SUBMITTAL#: _____

PLANS DATED: _____

CHECKLIST PREPARER

I certify that I am a professional in adherence to all minimum standards and requirements pertaining to the practice of that profession in accordance with Chapter 4 (§ 54.1-400 et seq.) of Title 54.1 of the Code of Virginia and attendant regulations. By signing this checklist I am certifying that this document and all attachments are, to the best of my knowledge and belief, true, accurate, and complete.

SIGNATURE _____

PRINTED NAME _____

QUALIFICATIONS _____

DATE _____

PROJECT NAME: _____ SUBMITTAL#: _____

PLANS DATED: _____

SITE PLANS

Please reference the plan sheet numbers where the information may be found.

_____ Common address and legal description of the site, including the tax reference number(s) and parcel number(s) of the property or properties affected.

_____ A narrative that includes a description of current site conditions and proposed development and final site conditions, including proposed use of environmental site design techniques and practices, stormwater control measures, relevant information pertaining to long-term maintenance of these measures, and a construction schedule.

_____ Existing and proposed mapping and plans (recommended scale of 1" = 50', or greater detail), which illustrates the following at a minimum:

☐ North arrow
☐ Legend
☐ Vicinity map
☐ Existing and proposed topography (minimum of 2-foot contours recommended)
☐ Property lines
☐ Perennial and intermittent streams
☐ Mapping of predominant soils from USDA soils surveys as well as the location of any site-specific test bore hole investigations that may have been conducted and information identifying the hydrologic characteristics and structural properties of soils used in the installation of stormwater management facilities
☐ Boundaries of existing predominant vegetation and proposed limits of clearing and grading
☐ Location and boundaries of natural feature protection and conservation areas (e.g.,wetlands, lakes, ponds, aquifers, public drinking water supplies, etc.) and applicable setbacks (e.g., stream buffers, drinking water well setbacks, septic drainfield setbacks, building setbacks, etc.)
☐ Identification of any on-site or adjacent water bodies included on the Virginia 303(d) list of impaired waters
☐ Current land use and location of existing and proposed roads, buildings, parking lots and other impervious areas
☐ Location and description of any planned demolition of existing structures, roads, etc.
☐ Proposed land use(s) with a tabulation of the percentage of surface area to be adapted to various uses, including but not limited to planned locations of utilities, roads, parking lots, stormwater management facilities, and easements
☐ Location of existing and proposed utilities [e.g., water (including wells), sewer (including septic systems), gas, electric, telecommunications, cable TV, etc.] and easements
☐ Earthwork specifications
☐ Selection, ~~location~~ geographic coordinates and design of both structural and non-structural stormwater control measures, including maintenance access and limits of disturbance
☐ Storm drainage plans for site areas not draining to any BMP(s)
☐ Location of existing and proposed conveyance systems, such as storm drains, inlets, catch basins, channels, lateral groundwater movement interceptors (french drains, agr tile drains, etc.), swales, and areas of overland flow, including grades, dimensions, and direction of flow
☐ Final drainage patterns and flow paths
☐ Location of floodplain/floodway limits and relationship of site to upstream and downstream properties and drainage systems

PROJECT NAME: _____ SUBMITTAL#: _____

PLANS DATED: _____

☐ Location of all contributing drainage areas and points of stormwater discharge, receiving surface waters or karst features into which stormwater discharges, the pre-development and post-development conditions for drainage areas, and the potential impacts of site stormwater on adjoining parcels
☐ Location and dimensions of proposed channel modifications, such as bridge or culvert crossings
☐ Final stabilization and landscaping plans

_____ Hydrologic and hydraulic analysis, including the following:

☐ Site map with locations of design points and drainage areas (size in acres) for runoff calculations
☐ Identification and calculation of stormwater site design credits, if any apply
☐ Estimates of unified stormwater sizing criteria requirements
☐ Time of concentration (and associated flow paths)
☐ Imperviousness of the entire site and each drainage area
☐ NRCS runoff curve numbers or volumetric runoff coefficients
☐ A hydrologic analysis for the existing (pre-development) conditions, including runoff rates, volumes, and velocities, showing the methodologies used and supporting calculations
☐ A hydrologic analysis for the proposed (post-development) conditions, including runoff rates, volumes, and velocities, showing the methodologies used and supporting calculations
☐ Hydrologic and hydraulic analysis of the stormwater management system for all applicable design storms
☐ Pollution load and load reduction requirements and calculations
☐ Final good engineering and sizing calculations for stormwater control measures, including contributing drainage areas, storage, and outlet configurations, verifying compliance with the water quality and water quantity requirements of the regulations
☐ Stage-discharge or outlet rating curves and inflow and outflow hydrographs for storage facilities
☐ Final analysis of the potential downstream impacts/effects of the project, where necessary
☐ Downstream analysis, where detention is proposed
☐ Dam safety and breach analysis, where necessary

_____ Representative cross-section and profile drawings and details of stormwater control measures and conveyances which include the following:
☐ Existing and proposed structural elevations (e.g., inverts of pipes, manholes, etc.)
☐ Design water surface elevations
☐ Structural details of BMP designs, outlet structures, embankments, spillways, grade control structures, conveyance channels, etc.

_____ Applicable construction and material specifications, including references to applicable material and construction standards (ASTM, etc.)

_____ Landscaping plans for stormwater control measures and any site reforestation or revegetation

PROJECT NAME: _____ SUBMITTAL#: _____

PLANS DATED: _____

_____ Long term operations and maintenance plan/agreement as governed by 9VAC25-870-112 of the Virginia Stormwater Management Program Regulations.

_____ Evidence of acquisition of all applicable local and non-local permits

_____ Waiver/exception requests

_____ Evidence of acquisition of all necessary legal agreements (e.g., easements, covenants, land trusts, etc.)

_____ Applicable supporting documents and studies (e.g., infiltration tests, geotechnical investigations, TMDLs, flood studies, etc.)

_____ Other required permits: _____

PROJECT NAME: _____ SUBMITTAL#: _____

PLANS DATED: _____

Appendix G – High Priority MS4 Facilities

Summary of MS4 Regulated Buildings and Associated High Priority Municipal Activities

Installation	Building	Outfall(s)	Municipal Activity	Building/Facility Description
Naval Station Norfolk	NM-37	301	Vehicle Storage and Maintenance Yards	Ordinance Support Equipment
Naval Station Norfolk	LP-131	115	Pesticide Storage Facilities	Pesticide Mixing Shop and Storage Facility
NSA Hampton Roads	SC-401	613	Equipment Storage and Maintenance Facilities, Material Storage Yards	Public Works Shop Supply Warehouse
JEB Little Creek	3107	760	Public Works Yard	Public Works Shop
JEB Little Creek	3165	760	Public Works Yard	Public Works Shop
JEB Little Creek	3292	760	Public Works Yard	Public Works Shop
JEB Little Creek	3293	760	Public Works Yard	Public Works Maintenance Shop
JEB Little Creek	3653	760	Equipment Storage and Maintenance Facilities, Material Storage Yards	Public Works Maintenance Shop
JEB Little Creek	3661	760, SF-025	Material Storage Yards, Recycling Facilities, Vehicle Storage and Maintenance Yards	Recycling Facility
JEB Little Creek	3664	760, SF-025	Public Works Yards	Public Works Expendable/Work in Process
JEB Little Creek	3895	766	Equipment Storage and Maintenance Facilities	Public Works Maintenance/Storage
JEB Little Creek	3903	766	Equipment Storage and Maintenance Facilities, Material Storage Yards	Public Works Maintenance/Storage
Scott Center Annex	107	026	Equipment Storage and Maintenance Facilities, Material Storage Yards, Vehicle Storage and Maintenance Yards	Grounds Equipment, Transportation and Vehicle Holding
Scott Center Annex	273	026	Public Works Yards	Facilities Management, Public Works Storage
Scott Center Annex	277	037	Public Works Yards	Pest Control
Scott Center Annex	289	036	Materials Storage Yards, Recycling Facilities	Recycling Center

Summary of MS4 Regulated Buildings and Associated High Priority Municipal Activities

Installation	Building	Outfall(s)	Municipal Activity	Building/Facility Description
Dam Neck Annex	372	NR-006, SF-009	Vehicle Storage and Maintenance Yards	Operational Vehicle Garage
Dam Neck Annex	552	NR-025, SF-025, SF-029	Pesticide Storage Facilities	Pest Control Office/Storage
Dam Neck Annex	553	NR-025, SF-025, SF-029	Public Works Yards	Public Works Maintenance/Storage
Dam Neck Annex	585B	NR-025, SF-025, SF-029	Equipment Storage and Maintenance Facilities	Pavement/Grounds Equipment Shed
Dam Neck Annex	613	NR-025, SF-025, SF-029	Pesticide Storage Facilities	Pest Control Chemical Room
NAS Oceana	721	001	Equipment Storage and Maintenance Facilities	Public Works Shop
NAS Oceana	820	001	Equipment Storage and Maintenance Facilities, Vehicle Storage and Maintenance Yards	Public Works Maintenance Shop
NAS Oceana	3034	OF-006	Public Works Yards	Public Works Shop
NAS Oceana	3035	OF-006, OF-008	Public Works Yards	Public Works Shop

Appendix H – Good Housekeeping Policies and Procedures

Good Housekeeping Policies and Procedures for Municipal Operations
Commander, Navy Region Mid-Atlantic

Introduction and Organization of Procedures Document

This document presents the good housekeeping policies and procedures for municipal operations covered under NAVFAC Mid-Atlantic's Regional MS4 Program Plan. The document includes the following sections:

- Overview of Permit Requirements
- Objective of Procedures
- Application of Procedures
- NAVFAC Mid-Atlantic Policies (illegal discharges and illegal dumping; construction site runoff control; post construction runoff management; and spill reporting and documentation)
- Site Investigations and Inspections (industrial permit; and municipal SWPPPs)
- Daily Operations Procedures (vehicle and associated equipment washing; vehicle fueling; storage areas; vehicle and equipment storage areas; recycle facilities and storage; road, street, and parking lot maintenance; landscaping; construction activities; and storm drain/utility line maintenance)
- Equipment Maintenance Procedures (vehicle maintenance and storage)
- Pesticide, Herbicide, and Fertilizer Procedures (application; storage; transport; disposal; and nutrient management plans)
- Miscellaneous (inspections; general spill and discharge response procedures; general dewatering; training; and contractor requirements/oversight)

In addition to detailing the appropriate policies and procedures for good housekeeping, Attachment includes an illustration of best management practices (BMPs) developed by Commander, Navy Region Mid-Atlantic (CNRMA).

Overview of Permit Requirements

The following Good Housekeeping Procedures have been developed in accordance with Section II.B.6.a through g of the Virginia Department of Environmental Quality's (DEQ) Phase II General Permit No. VAR040114 (page 20 of 31) as excerpted in portions below. Note that not all of the procedures below will be applicable to all installations since the same activities are not conducted at all of the installations.

a. ***Operations and Maintenance Activities.*** *The MS4 Program Plan submitted with the registration statement shall be implemented by the operator until updated in accordance with this state permit. In accordance with Table 1 of this section, the operator shall develop and implement written procedures designed to minimize or prevent pollutant discharge from: (i) daily operations such as road, street, and parking lot maintenance; (ii) equipment maintenance; and (iii) the application, storage and transport and disposal of*

pesticides, herbicides and fertilizers. The written procedures shall be utilized as part of the employee training. At a minimum, the procedures shall be designed to:

1. *Preventing illicit discharges;*
2. *Ensuring the proper disposal of waste materials, including landscape wastes;*
3. *Preventing the discharge of municipal vehicle wash water into the MS4 without authorization under a separate Virginia Pollutant Discharge Elimination System (VPDES) permit;*
4. *Preventing the discharge of wastewater into the MS4 without authorization under a separate VPDES permit;*
5. *Requiring implementation of best management practices when discharging water pumped from utility construction and maintenance activities;*
6. *Minimizing the pollutants in stormwater runoff from bulk storage areas (e.g., salt storage, topsoil stockpiles) through the use of best management practices;*
7. *Preventing pollutant discharge into the MS4 from leaking municipal automobiles and equipment; and*
8. *Ensuring that the application of materials, including fertilizers and pesticides, is conducted in accordance with the manufacturer's recommendations.*

(Note that these procedures are discussed throughout this document.)

b. ***Municipal facility pollution prevention and good housekeeping.*** *(Note that this has been addressed under Contract Number N62470-D-10-3000; WE28 and municipal SWPPPs have been submitted under separate cover to address BMP 6.2, High-Priority Facilities and SWPPPs in the Regional MS4 Program Plan.)*

c. ***Turf and Landscape Management.*** *(Note that this has been addressed under Contract Number N62470-D-10-3000; WE28 and Nutrient Management Plans have been submitted under separate cover to address BMP 6.3, Turf and Landscape Nutrient Management in the Regional MS4 Program Plan.)*

d. ***Training.*** *The operator shall conduct training for employees. (Note that there are additional specific requirements in the permit and these are discussed later in this document. Also note that this document does not address the training plan requirements of BMP 6.4 in the Regional MS4 Program Plan.*)

e. *The operator shall require that municipal contractors use appropriate controls measures and procedures for stormwater discharges to the MS4 system. Oversight procedures shall be described in the MS4 Program Plan. (Note that this requirement is discussed later in this document.)*

f. *At a minimum, the MS4 Program Plan shall contain:*

   (1) The written protocols being used to satisfy the daily operations and maintenance requirements;

(2) A list of all municipal high priority facilities that identifies those that have a high potential for chemicals or other materials to be discharged in stormwater and a schedule that identifies the year in which an individual SWPPP will be developed for those facilities required to have a SWPPP.

(Note that these requirements are associated with BMP 6.1 [addressed in this document] and BMP 6.2, High-Priority Facilities and SWPPPs in the Regional MS4 Program Plan [addressed by a different task order under separate cover]).

Objective of Procedures

The objective of the procedures is to comply with the permit requirements (described above) by addressing BMP 6.1, Written Policies and Procedures included in the Regional MS4 Program Plan. In addition, this document briefly discusses associated training requirements (BMP 6.4) but does not address the training plan requirements of this BMP. As previously noted, BMP 6.2 (High-Priority Facilities and SWPPPs) and BMP 6.3 (Turf and Landscape Nutrient Management) are addressed by a separate delivery order and submitted under separate cover. The only remaining BMP under MCM #6 for Pollution Prevention and Good Housekeeping is BMP 6.5 which addresses tracking and reporting of the BMP implementation status in the annual report.

It is the responsibility of the MS4 Permit Manager to effectively communicate these procedures to the appropriate staff and ensure that the procedures are followed by Navy employees as well as contractors.

Application of Procedures

These procedures apply to the installations covered by the Regional MS4 permit including:

- Naval Station Norfolk (excluding Craney Island) (NSN)
- Naval Support Activity, Hampton Roads (excluding NSA Northwest) (NSA HR)
- Joint Expeditionary Base, Little Creek (JEB LC)
- Joint Expeditionary Base, Fort Story (JEB FS)
- Naval Air Station Oceana (NASO)
- Dam Neck Annex (NASO DN)
- NSA Hampton Roads Portsmouth Annex (Portsmouth Annex)
- Scott Center Annex (SCA)

NAVFAC Mid-Atlantic Policies

This section discusses the NAVFAC Mid-Atlantic's current policies including illegal discharges and illegal dumping; construction site runoff control; post construction runoff management, and spill reporting and documentation.

Illegal Discharges and Illegal Dumping

CNRMA has developed Draft Standard Operating Procedures (SOPs) with the purpose of preventing illegal discharge and illegal dumping into the storm drainage systems. The draft SOPs require that periodic inspections occur to detect illicit connections, discharges, and dumping.

Construction Site Runoff Control

CNRMA has two sets of draft instructions related to construction site runoff control. The first, entitled "COMNAVREG MIDLANT Virginia Stormwater Management Program Construction Permit Instruction," establishes a procedure for obtaining coverage under the Virginia Stormwater Management Program (VSMP) General Permit for Stormwater Discharges from Construction Activities at installations and annexes and applies to projects with a disturbance of one acre or greater. The second set of instructions, entitled "COMNAVREG MIDLANT Erosion and Sediment Control Instruction," establishes minimum standards for the effective control of soil erosion, sediment deposition, and non-agricultural runoff from land-disturbing activities at installations and applies to projects with a disturbance of 10,000 square feet or greater.

Post Construction Runoff Management

CNRMA has developed a draft set of instructions related to post-construction site runoff control, entitled "COMNAVREG MIDLANT Post Construction Stormwater Runoff Management Instruction." These instructions require minimum post-construction BMPs at installations and annexes. The instruction applies to all development and redevelopment activities greater than or equal to one acre in size. The instruction also applies to land development activities for an area smaller than one acre, if the activities are part of a larger common plan of development.

Spill Reporting and Documentation

NAVFAC Mid-Atlantic has implemented the "Hampton Roads Naval Installation Spill Reporting and Documentation Standard Operating Procedures," which outlines reporting and documentation actions that must be taken in response to a spill/release of oil, sewage, or hazardous or non-hazardous substance (solid or liquid). In accordance with the Spill Reporting and Documentation SOP, spills are reported to the Virginia DEQ and the Virginia Department of Conservation and Recreation (DCR). Spill reporting includes both an initial report of the spill within 24 hours of the spill discovery and a 5-day spill letter, which documents specific details of the spill. The 5-day spill letter includes:

- Date of release/discovery;
- Time of release/discovery;
- Location;
- Substance released;
- NRC # (if applicable);
- Quantity released;
- Quantity recovered;
- Receiving waterway;
- Cause of release; and
- Cleanup actions taken.

Site Investigations and Inspections

This section discusses the site investigation and inspection requirements under the Industrial and Municipal SWPPPs per their respective permits.

Industrial Permit

Many of the installations covered under the MS4 Permit are also covered under the Virginia DEQ Industrial Stormwater Permit. As a result, updates to the Industrial SWPPP, Site Compliance Evaluations (SCEs), and Illicit Discharge Surveys are completed on a regular (annual or other) basis. The SCEs are comprehensive surveys that closely examine the potential for pollutants associated with industrial activities to be conveyed into the storm drain system. The SWPPP reports identify potential pollutants and include recommendations of BMPs to be implemented with corresponding priority categorization (low, medium, or high). Certain industrial facilities (e.g., Transportation Facilities) must be inspected quarterly to ensure that areas related to the operation of that facility are implementing the necessary BMPs.

Municipal Stormwater Pollution Prevention Plans

In addition, Section II.B.6.b (3) of the MS4 Permit requires the development of municipal SWPPPs. As of July 2015, NAVFAC Mid-Atlantic has developed 13 Final SWPPP reports for locations that were identified as high-priority facilities.

1. Dam Neck Annex – Group 1 of 2 (Building 372)
2. Dam Neck Annex – Group 2 of 2 (Buildings 552, 553, 585B, 613)
3. Joint Expeditionary Base (JEB) Little Creek – Group 1 of 2 (Buildings 3107, 3165, 3292, 3293, 3653, 3661, 3664)
4. JEB Little Creek – Group 2 of 2 (Buildings 3895, 3903)
5. Naval Air Station (NAS) Oceana – Group 1 of 2 (Buildings 721, 820)
6. NAS Oceana – Group 2 of 2 (Buildings 3034, 3035)
7. Portsmouth Annex – Group 1 of 4 (Building 107)
8. Portsmouth Annex – Group 2 of 4 (Building 273)
9. Portsmouth Annex – Group 3 of 4 (Building 277)
10. Portsmouth Annex – Group 4 of 4 (Building 289)
11. Naval Support Activity (NSA) Hampton Roads – Group 1 of 1 (Building SC-401)
12. Naval Station Norfolk – Group 1 of 2 (Building LP-131[A-D])
13. Naval Station Norfolk – Group 2 of 2 (Building NM-37)

Daily Operations Procedures

This section provides good housekeeping procedures for vehicle and associated equipment washing; vehicle fueling; storage areas; vehicle and equipment storage areas; recycle facilities and storage; road, street, and parking lot maintenance; landscaping; construction activities; and storm drain/utility line maintenance.

Vehicle and Associated Equipment Washing

Government-owned as well as private vehicles and equipment are washed as needed at designated wash racks equipped with an oil water separator (OWS) and/or a diversion valve to direct flow to the sanitary sewer and prevent non-permitted discharges.

The below Good Housekeeping Procedures should be followed:

- Perform cleaning operations only within designated areas
- Ensure all personnel are properly trained on wash rack operational procedures and use appropriate signage to reinforce training
- Utilize automatic shutoff valves as appropriate to prevent polluted wash waters from entering the storm drain system
- Perform cleaning operations indoors where practicable
- Provide cover over the cleaning operation where practicable
- Ensure all wash waters drain to the appropriate collection system and the system is clear, operational, and properly functioning. The appropriate collection system will either be the sanitary system if full treatment is needed or the storm drain system with pretreatment (as appropriate) if minor treatment is needed. Otherwise, the wash waters should be directed to a grassy area to encourage infiltration into the ground.
- Treat and/or recycle the collected stormwater runoff were practicable

Vehicle Fueling

During motor vehicle and equipment fueling, fuel products are transferred from bulk fueling sites, mobile refuelers, underground storage tanks (USTs), or aboveground storage tanks (ASTs) to the serviced vehicle or equipment. Activities associated with fueling include delivery and transfer, storage, and dispensing. In areas with high risk associated with large quantities of fueling activities such as large fuel tanks, NAVFAC Mid-Atlantic has developed detailed prevention and response procedures in SPCC Plans.

To prevent or reduce accidental spills and overfills, leak detection systems and overfill alarms are installed on all USTs. ASTs have liquid level gauges, overflow alarms, and are typically located within secondary containment or have an environmental equivalent.

The below Good Housekeeping Procedures should be followed:

- Conduct fuel transfer operations only within designated areas
- Provide cover over the fueling area to prevent contact with stormwater
- Maintain and utilize overflow protection; e.g., spill buckets, high-level alarms, automatic tank gauges (ATGs), etc. as appropriate
- Maintain and utilize appropriate spill cleanup equipment; i.e., spill kits
- Minimize run-on/runoff of stormwater to the fueling area
- Utilize dry cleanup methods
- Treat and/or recycle collected stormwater runoff where practicable

- Avoid topping off fuel tanks
- Divert runoff from fueling areas
- Utilize automatic shutoff valves as appropriate
- Provide secondary containment for fuel storage and transfer operations

Storage Areas

Storage areas require regular maintenance to ensure that they stay in a clean and orderly state. It is important to limit or minimize the amount of exposure the bulk materials have to stormwater in order to prevent the suspension and transportation of the materials into the storm drain system.

All bulk storage piles of salt or piles containing salt used for deicing or other purposes are enclosed or covered to prevent exposure to precipitation. All salt storage piles are located on an impervious surface and runoff is collected and contained, maintained in storage tank(s), or disposed of through a sanitary system. Salt-contaminated stormwater is not permitted to be discharged into the stormwater system.

The below Good Housekeeping Procedures should be followed:

- Maintain storage vessels in good condition with proper labeling
- Complete inventories of stored materials to track/monitor
- Provide indoor storage for materials, where practicable
- If indoor storage is not practicable, provide storm-resistant cover (tarp or outdoor shed) for material storage
- Install berms or dikes to minimize run-on/runoff of stormwater to these areas
- Use dry cleanup methods
- Treat and/or recycle collected stormwater runoff where practicable
- Confine loading/unloading activities to a designated area outside drainage pathways and away from surface waters
- Load/unload indoors or in designated covered areas
- Close/cover storm drains during loading/unloading activities in surrounding areas
- Install barriers around catch basins and storm drain inlets to prevent wet or dry material from entering the storm drain system (Note: Select the barrier type based on the pollutant with the highest probability of entering the system. For example, some barriers are best for preventing sediments from entering the system while others are better for oily materials.)
- Utilize drip pans, berms, dikes, absorbent materials, roofs, or covered storage areas to minimize contamination of the stormwater runoff from these areas
- Keep flammable and hazardous materials in designated storage cabinets and lockers
- Provide secondary containment, as appropriate
- Install diversion berms or grassed swales and disconnect storm/roof drains to minimize run-on/runoff of stormwater to these areas
- Enclose or cover salt storage piles or piles containing salt
- Store salt piles on an impervious surface

Vehicle and Equipment Storage Areas

There are several locations where vehicles and/or parts, such as batteries, belts, hoses, tires, and other materials, are stored outdoors. At these locations, precautions should be taken to ensure that leaks from the vehicles and equipment do not occur.

The below Good Housekeeping Procedures should be followed:

- Confine storage of vehicles and equipment awaiting maintenance to designated areas that are under cover to prevent contact with stormwater
- Store vehicles and equipment indoors where practicable
- Utilize drip pans, berms, dikes, absorbent materials, roofs, or covered storage areas to minimize contamination of the stormwater runoff from these areas
- Install barriers around catch basins and storm drain inlets to prevent wet or dry material from entering the storm drain system (Note: Select the barrier type based on the pollutant with the highest probability of entering the system. For example, some barriers are best for preventing sediments from entering the system while others are better for oily materials.)
- Maintain and utilize appropriate spill cleanup equipment; i.e., spill kits
- Clean pavement surface to remove oil and grease but prevent the oil and grease from entering the storm drain system
- Cover storage areas with roofs or tarps
- Confine storage of equipment to designated area away from high traffic, drainage patterns, and surface waters
- Install diversion berms or grassed swales and disconnect storm/roof drains to minimize run-on/runoff of stormwater to these areas
- Ensure that all containers are properly labeled and sealed
- Complete inventories of stored materials to track/monitor
- Keep flammable and hazardous materials in designated storage cabinets and lockers
- Provide secondary containment, as appropriate

Recycle Facilities and Storage

Many of the installations have active recycling programs and facilities. In general, recycled materials include glass, plastic, cardboard, metals, paper, and other goods. A recyclable material inspection program minimizes the likelihood of receiving materials that may be significant pollutant sources to stormwater discharges. At the recycling center yard at JEB Little Creek, a containment boom (floating barrier) is used to prevent spill and other pollution sources from entering open water courses.

The below Good Housekeeping Procedures should be followed:

- Develop information and education measures to inform suppliers of recyclable materials about the types of materials that are acceptable and those that are not recyclable
- Provide training measures for drivers responsible for pickup of recyclable materials

- Reject non-recyclable wastes or household hazardous waste at the source
- Develop procedures for handling and disposing of non-recyclable materials
- Provide totally enclosed or covered drop-off containers for the public
- Install a sump pump with each containment pit and discharge collected fluids to a sanitary sewer
- Provide dikes and curbs for secondary containment
- Divert surface runoff away from outside material storage areas
- Provide covers over containment bins, dumpsters, and roll-off boxes
- Store the equivalent of one day's volume of recyclable materials indoors
- Schedule routine good housekeeping measures for all storage and processing areas

Road, Street, and Parking Lot Maintenance

In general, road, street, and parking lot maintenance is managed by the individual facility managers at each installation. After a need for maintenance is documented, the facility manager may contract the work out or send it to an internal department (such as engineering, utilities, public works shops, etc.) depending upon the nature of the maintenance needed.

The below Good Housekeeping Procedures should be followed:

- Prevent paving materials and wastes from entering the storm drain system by closing the storm drain inlets or by installing barriers around catch basins and storm drain inlets to prevent wet or dry material from entering the storm drain system (Note: Select the barrier type based on the pollutant with the highest probability of entering the system. For example, some barriers are best for preventing sediments from entering the system while others are better for oily materials.)
- Minimize the exposure of soils or graded areas to stormwater runoff
- Store materials (sand, gravel, etc.) away from storm drains and cover materials to prevent erosion
- Collect and properly dispose of any sand, gravel, asphalt, or other material as soon as possible
- When spreading aggregate, limit to the sealed surface and sweep up or vacuum excess aggregate once cured
- Mix road stabilization materials during periods of dry weather and seal as soon as possible
- Fill and compact the paving materials (soil, gravel and asphalt) in layers
- Fully seal road shoulders to prevent "edge break"
- Use water-based paints or thermoplastics for striping instead of solvent-based paints
- Do not use coal tar-based sealants for repairing pavement cracks
- Use portable drip trays under equipment to catch leaks and spills
- For any maintenance activities that would result in materials being sprayed away from the work site (such as blasting), prevent the dispersion of materials with the use of a skirt or other type of cover.

- For winter time operations, use barriers or other methods to capture or divert deicing materials from entering the storm drain system
- Reduce salt usage by using anti-icing agents such as beet juice and consider using acetate based deicers

Landscaping

In general, landscaping is managed by the individual facility managers at each installation. After a need for landscaping is documented, the facility manager may contract the work out or complete it internally.

The below Good Housekeeping Procedures should be followed:

- Store landscaping equipment in designated areas
- Use drip pans and/or inspect landscaping equipment for leaks daily
- Store all materials, chemicals, and fertilizers in designated areas, preferably indoors or within a covered area
- Conduct all fuel transfers only within designated areas outside drainage pathways, away from surface waters, and with appropriate containment or environmental equivalent
- Wash/clean all landscaping equipment at wash racks or approved designated areas
- Maintain and utilize appropriate spill cleanup equipment; i.e., spill kits
- Use dry cleanup methods
- Confine loading/unloading activities to a designated area outside drainage pathways and away from surface waters
- Load/unload indoors or in covered areas
- Dispose of the landscape waste (grass clippings, leaves, dead plants, etc.) in a proper manner
- Close/cover storm drains during maintenance activities
- Sweep or blow any grass clippings away from paved areas after mowing
- Employ erosion control measures when soils are exposed
- Place stockpiled materials away from storm drains
- Properly dispose of collected landscape materials (grass clippings, etc.)
- Do not use leaf blowers to direct waste into streets, storm drains, or ditches
- Employ devices to prevent irrigation after precipitation or if there is a break in the sprinkler head or water line
- Refer to the Nutrient Management Plans section of this document for additional information on fertilization recommendations to prevent excess nitrogen and phosphorus in stormwater runoff

Construction Activities

In general, construction activities (building demolition, new building construction, utility relocation, etc.) are completed by independent contractors at the installations. Training is provided to all contractors regarding the proper maintenance procedures to prevent the pollution of stormwater.

The below Good Housekeeping Procedures should be followed:

- Use common sense
- Use dry cleanup methods
- Situate maintenance, storage, and disposal areas as far away from rainfall and runoff areas as possible
- Cover materials when not in use and before rain events
- Use drip pans and/or inspect construction vehicles for leaks daily
- Utilize appropriate structures to control/minimize erosion and runoff; e.g., diversionary structures, traps, basins, conveyances, etc.
- Filter contaminated runoff using sediment control techniques such as a silt fence
- Keep equipment in good working order
- Create impervious berms around maintenance and wash areas
- Dispose of waste in the proper receptacle or area
- Ensure dumpster lids are closed and containers have watertight lids
- Store waste materials on pallets and not directly on the ground
- Dispose of waste material and wastewater properly and not into the storm drain system
- For sites that require dewatering, do not dispose of the waste water directly into the storm drain system (use filter bags and apply to grassy areas)

Storm Drain/Utility Line Maintenance

Since fine particles and debris (and associated pollutants) tend to accumulate along the curbs of roads, rain events typically wash these pollutants into the storm drain system. Although regular maintenance of the storm drain and other utility systems would be a good practice to improve water quality, prevent clogging, and prevent flooding, it is typically not economically feasible to do more than reactive maintenance in response to problems.

Typical methods for catch basin and inlet cleaning include manual cleaning, eductor cleaning, vacuum cleaning, and vacuum combination jet cleaning (e.g. Vaccon). The primary goal of the cleaning is to collect and separate out the sediment and debris from water so that the pollutants and the water can be disposed of properly (in the sanitary system, the storm drain system with pretreatment as needed, or in a grassy area to encourage infiltration into the ground).

Manual cleaning is commonly completed by either bailing out the sediment-laden water and then shoveling the sediment into a disposal truck, or by entering the catch basin and filling buckets with sediment and depositing the sediment in the disposal truck. Eductor cleaning removes the sediment-laden water from the catchment and separates the pollutants from the water with the use of a settling tank. Vacuum cleaning utilizes an air blower of a vacuum truck to collect the air-solid-liquid material from the catchment and separate them out by gravity separation and baffles. In some cases, the vacuum suction is not strong enough to extract materials from the storm inlets and a vacuum combination jet cleaning system is used. In this system, the vacuum uses hydraulic suction to collect the debris from the inlets or storm drains. Then a water jet is used to dislodge any remaining materials.

General Good Housekeeping Procedures for storm drain/utility maintenance/cleanout include:

- For storm drains and electrical manholes, decant any liquids containing sediments/debris to remove as much of the sediment as possible; the sediments should be disposed of in a landfill and the remaining water should be disposed of properly (either in the sanitary system, the storm drain system with pretreatment as needed or in a grassy area to encourage infiltration into the ground)
- For sanitary sewer lines and manholes, material may not be discharged to storm drains or grassy areas, it must be disposed of via the sanitary sewer or as a solid waste
- When testing fire protection system and fire hydrants or flushing water lines, care should be taken not to cause erosion and discharges. To accomplish this, discharges should be routed through a diffuser so that the flow can be directed away from erodible areas and storm drains. For areas that are being flushed on a routine/regular basis, a storm drain filter sock may be used as appropriate.
- Clean out the storm drains when the catch basin storage is one-third full
- Optional:
  - Track the amount of sediment and debris in different areas to allow the analysis of trends
  - Analyze the collected waste to assess the proper disposal method

Equipment Maintenance Procedures

This section provides good housekeeping procedures for vehicle maintenance and storage.

Vehicle Maintenance and Storage

Preventative maintenance and general repair services on automobiles, vans, trucks, forklifts, mobile refuelers, and emergency vehicles are performed at various maintenance facilities. Related activities may include fluid changes, mechanical repairs, parts cleaning and replacement, sanding, refinishing, painting, and vehicle and equipment storage. These facilities may also store used parts, such as batteries, belts, hoses, tires, and other materials. Additionally, used/waste liquid storage may be onsite, including petroleum/oil/lubricants (POLs), fuel, antifreeze, cleaners, and solvents.

Most vehicle maintenance activities occur indoors and therefore are usually not exposed to stormwater runoff. Spills may occur within these buildings during repair activities as a result of leaking, ruptured, and overturned containers, or leaking vehicles and associated equipment. Therefore, these facilities have spill response procedures and spill kits readily available.

The below Good Housekeeping Procedures should be followed:

- Store equipment awaiting maintenance in designated areas, preferably indoors or under the cover of an outdoor storage shed or tarp
- Store equipment indoors, where practicable
- Perform maintenance activities indoors, where practicable

- Conduct periodic inspections of stored equipment for leaks
- Utilize appropriate overflow protection; e.g., spill buckets, high-level alarms, ATGs, etc.
- Maintain and utilize appropriate spill cleanup equipment; i.e., spill kits
- Utilize dry cleanup methods
- Utilize drip pans
- Provide secondary containment for hazardous materials and POLs
- Maintain an organized inventory of materials used in the shop
- Store lubricants and hydraulic fluids indoors
- Keep flammable and hazardous materials in designated storage cabinets and lockers
- Drain all parts of fluids prior to disposal
- Prohibit wet cleanup practices that would result in the discharge of pollutants to the stormwater drainage system
- Employ emergency shut off valves as appropriate
- Treat and/or recycle the collected stormwater runoff where practicable
- Minimize the run-on/runoff of stormwater to the maintenance areas by disconnecting storm/roof drains
- Wash/clean vehicles and equipment only in designated areas/ wash racks
- Prohibit vehicle and equipment wash water from discharging to the storm sewer system
- Provide employee training on proper handling and storage of hydraulic fluids and lubricants through the use of the ECATTS online training program

Pesticide, Herbicide, and Fertilizer Procedures

This section provides good housekeeping procedures for pesticide, herbicide, and fertilizer application, storage, transport, and disposal. It also discusses turf and landscape nutrient management plans.

Application

Fertilizers, pesticides, and herbicides are applied routinely to various locations throughout the installations. Pest-control activities are performed by the appropriately licensed personnel from NAVFAC Mid-Atlantic Pest Control staff and appropriately licensed independent contractors. Typical pesticide application consists of fogging for mosquitoes using Vectorbac-G, as well as small, isolated use of other insecticides as needed. Fogging is performed several days per week throughout peak season during four to five weeks of summer. Herbicide is applied in various areas to control or eliminate unwanted plant growth. Various chemicals (e.g., Turflon®, glyphosate, Weedar 64®, etc.) are used as herbicides. Employees and contractors who apply pesticides and herbicides are properly trained or certified in accordance with the Virginia Pesticide Control Act.

The below Good Housekeeping Procedures should be followed:

- Apply in accordance with the manufacturer's instructions
- Do not spray pesticides/herbicides outdoors on windy or rainy days
- Take precautions keep the pesticide/herbicide/fertilizer away from the storm drain system and open waterways

Storage

In general, fertilizers, pesticides, and herbicides are stored indoors or under cover and are usually not exposed to stormwater runoff. Pesticides are mixed under cover at certain buildings at the installations.

The below Good Housekeeping Procedures should be followed:

- Store indoors or inside locked storage cabinets located under cover
- Station appropriately stocked spill kits nearby
- Maintain good condition of all storage containers
- Store pesticide/herbicide liquid within a berm

Transport

Accidents can happen even when transporting fertilizers, pesticides, or herbicides on a short trip. Improperly loaded containers can become damaged during transit and cause potential adverse impact to the environment as well as human health.

The below Good Housekeeping Techniques should be followed:

- Appropriately identify and label all containers
- Check the Material Safety Data Sheet (MSDS) for shipping and transport information
- Inspect all containers before loading for transport
- Handle the containers carefully, do not drop or toss them
- Remove anything in the cargo area that could damage or puncture the containers
- Secure all containers to prevent load shifts
- Keep an appropriately stocked spill kit in the vehicle at all times
- Drive safely

Disposal

If there is only a small excess of pesticide, herbicide, or fertilizer, the best way to dispose of it is to apply it to a specific site as designated by the label. If a larger amount remains, it should be disposed of through a household hazardous waste program. If the material is designated as hazardous under the Resource Conservation and Recovery Act (RCRA), then the individual transporting of the waste must be properly permitted and the waste must be properly manifested.

Nutrient Management Plans

Section II.B.6.c requires that turf and landscape nutrient management plans be developed by a certified turf and landscape nutrient management planner where nutrients are applied to a contiguous area greater than one acre. As of July 2015, NAVFAC Mid-Atlantic has developed four draft turf and landscape nutrient management plans:

1. Eagle Haven Golf Course, JEB Little Creek
2. The Hornet at Aeropines Golf Club, NAS Oceana
3. The Tomcat at Aeropines Golf Club, NAS Oceana
4. Sewell's Point Golf Course, NSA Hampton Roads

The purpose of these plans is to ensure the minimum movement of nitrogen and phosphorus from the specified area of application to surface and ground water, where they can potentially have a detrimental effect on water quality. These plans provide the guidelines for fertilization practices for the golf courses with the intent of eliminating/limiting the amount of fertilizer that is conveyed into the adjacent receiving waters.

Miscellaneous

The below addresses miscellaneous items (inspections, general spill and discharge response procedures, general dewatering procedures, training, and contractor requirements/oversight) which may apply to one or more of the activities described above.

Inspections

Inspections should be completed on a regular basis at sites with potential for stormwater pollution to ensure that the good housekeeping procedures are being followed. Refer to the Site Investigations and Inspections section of this document which was presented earlier for more detail.

General Spill and Discharge Response Procedures

In areas with high risk associated with spills such as large fuel tanks, NAVFAC Mid-Atlantic has developed detailed prevention and response procedures in SPCC Plans. The procedures listed below should apply to all other areas with less risk:

- Install barriers around catch basins and storm drain inlets to prevent wet or dry spilled material from entering the storm drain system (Note: Select the barrier type based on the pollutant with the highest probability of entering the system. For example, some barriers are best for preventing sediments from entering the system while others are better for oily materials.)

- Use rags or absorbent materials (such as kitty litter) to soak up small quantities of non-hazardous liquids then promptly and properly dispose of the rags and absorbent materials
- Use absorbents, gels, or foams to clean up larger quantities of non-hazardous materials
- Use brooms and/or shovels to clean up and properly dispose of dry materials and any equipment used to the clean up the spill as appropriate
- If water is used to assist in the cleanup of spills, it must be collected and disposed of properly; depending upon the material that is being cleaned up, the wash water should either be directed to treatment (the sanitary system or storm system with pretreatment) or to a grassy area to encourage infiltration
- For spills of hazardous material or of large quantities of non-hazardous material, contact the spill response coordinator at the respective installation; note that hazardous materials and materials used to clean up hazardous material have special disposal requirements

In addition and as previously mentioned in this document, NAVFAC Mid-Atlantic follows the "Hampton Roads Naval Installation Spill Reporting and Documentation Standard Operating Procedures" for reporting and documenting spills.

General Dewatering

The general process of dewatering occurs with many daily operational procedures such as road and street maintenance; various construction activities; and equipment maintenance procedures. Typically, vacuum-type equipment is used to suction the water (which may contain sediments and/or other pollutants) into a storage tank or other container. Depending upon the expected pollutants in the water, it should be either directed to treatment (the sanitary or storm drain system with pretreatment) or to a grassy area to encourage infiltration.

Training

NAVFAC Mid-Atlantic uses the web-based ECATTS to train employees and independent contractors on several topics including pollution prevention and good housekeeping. ECATTS is accessible from any computer with internet access. It was developed to provide environmental compliance information and training to users who need an understanding of environmental laws, regulations, and policies to successfully complete their jobs. Also, the training modules are offered on a continuous basis and the number of people trained on each module is recorded.

Several ECATTS stormwater training modules have been developed, including:

- Principals of Erosion and Sedimentation
- Erosion and Sediment Control Practices
- Vegetative Stabilization
- Stormwater Runoff
- Stormwater BMPs

- Construction Site Pollution Prevention
- Sediment and Stormwater Plans

Good housekeeping and pollution prevention practices training emphasize procedures that are currently used to minimize stormwater pollution, and stress additional practices that may improve good housekeeping. The following items are emphasized during training:

- Non-permitted discharges into the stormwater drainage system are illegal and could potentially result in monetary penalties and criminal prosecution
- All spilled materials will be promptly cleaned up and disposed of properly
- Spill kits must be stationed near areas with high spill potentials
- A regular schedule for housekeeping activities will be developed and implemented that includes specific personnel assignments and responsibilities

Additionally, specialized training shall be provided to ensure the following:

- Employees and contractors who apply pesticides and herbicides are properly trained or certified in accordance with the Virginia Pesticide Control Act
- Employees and contractors obtain certifications required by the Virginia Erosion and Sediment Control Law and all associated regulations (to include those serving as plan reviewers, inspectors, program administrators, and construction site operators)
- Appropriate emergency response employees having spill response training, with a summary of the training and certification program included in the first annual MS4 report

To facilitate successful personnel training, problem areas will be identified and training sessions will be conducted to stimulate employee feedback. Currently, stormwater training is conducted as necessary depending upon the responsibilities of the personnel.

Contractor Requirements/Oversight

The Good Housekeeping Procedures outlined in this document should be incorporated into the legal contracts, as appropriate, to ensure that these procedures are followed. In addition, it is the responsibility of the manager of the various contractor's to ensure that the procedures are followed.

ATTACHMENT

CNRMA Stormwater Best Management Practices Poster

STORMWATER

BEST MANAGEMENT PRACTICES

CLEAN UP SPILLS WITH SORBENTS

CONDUCT INSPECTIONS

STORE CHEMICALS INDOORS & UNDER COVER

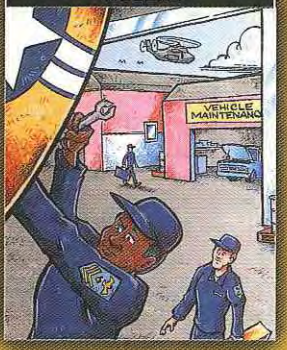
KEEP LIDS CLOSED

ASSURE PROPER VALVE OPERATION

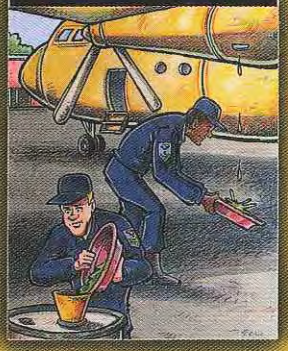
DRY SWEEP; DO NOT HOSE TO STORM DRAINS

STORE WASTES ON SPILL PALLETS

CONDUCT MAINTENANCE INDOORS



USE DRIP PANS



DO NOT OVERFILL TANKS OR DRUMS

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NLL Number: 0525LP1014132

Appendix I – Nutrient Management Plan Locations and Acreage

Navy MS4 Permit Coverage: VAR040114
Nutrient Management Plan Location/Acreage

Location	Installation	Latitude	Longitude	Acreage
Eagle Haven Golf Course	JEB Little Creek	36.917236	-76.155554	92.70
The Hornet Golf Course	NAS Oceana	36.803484	-76.026160	94.12
The Tomcat Golf Course	NAS Oceana	36.803484	-76.026160	125.22
Oceana Stables	NAS Oceana	36.810502	-76.006272	153.90

**The above table contains acreage for sites where NMP's have already been developed

A Nutrient Management Plan is currently being developed for the Sewell's Point Golf Course at NSA Hampton Roads. The total acreage for Sewell's Point Golf Course is 75.10 acres. We are currently identifying all prestige areas (contiguous areas greater than one acre excluding Golf Courses) where nutrients are applied and will provide the total acreage in PY3. NMPs are in the process of being developed for all prestige areas and will be implemented once completed.

END OF REPORT