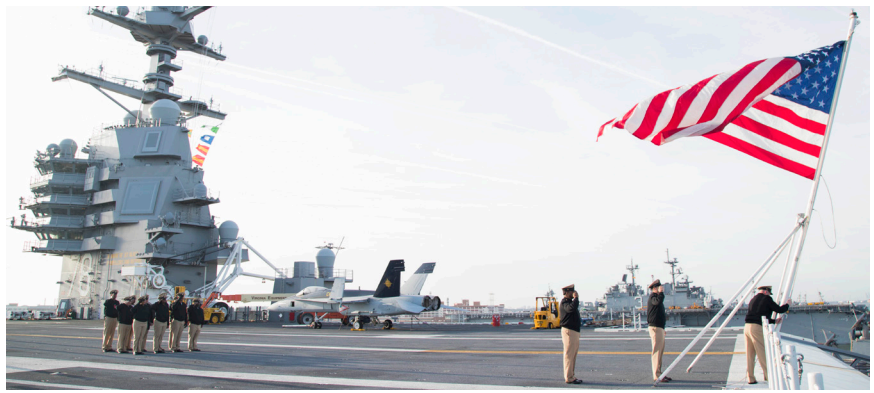


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**FINAL COMMUNITY INVOLVEMENT PLAN NORFOLK NAVAL SHIPYARD
PORTSMOUTH VA**

10/01/2019
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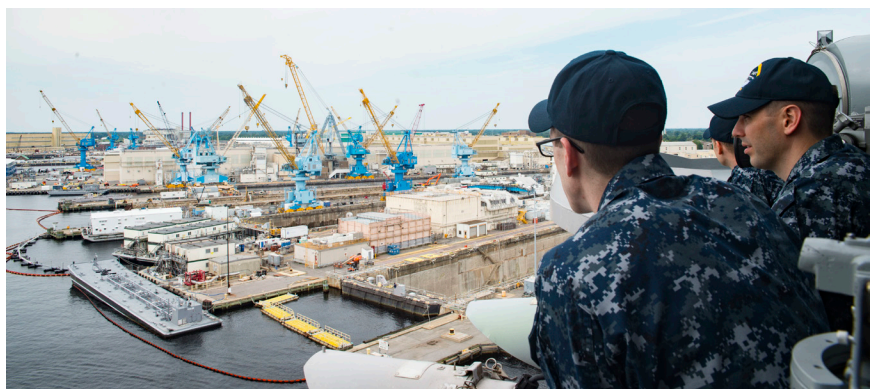


Community Involvement Plan



Norfolk Naval Shipyard Portsmouth, Virginia

FINAL
October 2019





Naval Facilities Engineering Command Mid-Atlantic
Norfolk, Virginia

Final

Community Involvement Plan

Norfolk Naval Shipyard
Portsmouth, Virginia

October 2019

Prepared for NAVFAC Mid-Atlantic
by CH2M HILL, Inc.
Virginia Beach, Virginia
Contract N62470-16-D-9000
CTO WE17





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Overview of the Community Involvement Plan



1.1 Introduction

This **Community Involvement Plan (CIP)** describes the **U.S. Navy's (Navy)** community involvement program for environmental restoration at the **Norfolk Naval Shipyard (NNSY)**, located in Portsmouth, Virginia. NNSY is the oldest continuously operated shipyard in the United States. Currently, NNSY's mission is to repair, overhaul, dry-dock, convert, modernize, and inactivate ships, and to provide logistics services in support of the fleet.

This CIP identifies community concerns about the investigation and restoration of potentially contaminated sites at NNSY and describes how the Navy will meet the needs of the local community for information about, and participation in, the ongoing investigation and remedial processes. The outreach methods described in this CIP were developed based on community input received between the fall of 2017 and the fall of 2018.

1.2 Environmental Restoration Program

NNSY's history and mission have required the use, handling, storage, and disposal of hazardous materials and petroleum products. Historic use, storage, and disposal practices differ from current practices, and resulted in environmental contamination at the facility. As a result of potential risk to human health and the environment, in July 1999, the **U.S. Environmental Protection Agency (USEPA)** placed NNSY on the **National Priorities List (NPL)**.

The Navy has implemented an **Environmental Restoration Program (ERP)** at NNSY and has investigated soil, groundwater, surface water, and sediment under the provisions of the **Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)** and the **Superfund Amendments and Reauthorization Act of 1986 (Superfund)**. Specific guidance for conducting these investigations is provided by the **Federal Facility Agreement (FFA)**, which was signed by the Navy, the USEPA, and the **Virginia Department of Environmental Quality (VDEQ)** in September 2004 for NNSY.

1.3 Community Involvement

Community involvement activities are an integral part of the ERP. Community involvement promotes communication between the public and the Navy concerning the status of remediation at installations. Specific community involvement activities are required by CERCLA at specific stages of environmental response, although the Navy's guidance may

ACRONYMS AND ABBREVIATIONS

*To make this document more readable, acronym use has been limited. Acronyms that are used repeatedly appear in **bold** the first time they are used. Other acronyms are provided for informational purposes but are not repeated throughout the document. The following acronyms are repeated:*

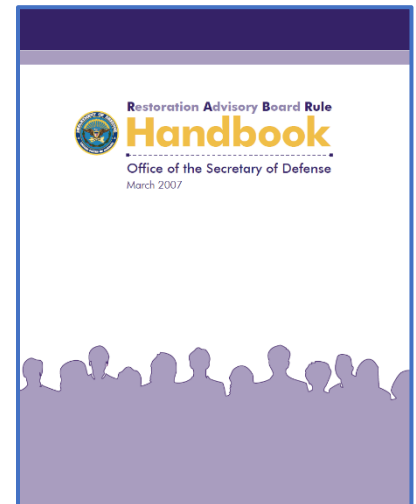
AR	Administrative Record
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	Code of Federal Regulations
CH2M HILL	CH2M HILL, Inc.
CIP	Community Involvement Plan
CRP	Community Relations Plan
DoD	Department of Defense
EE/CA	Engineering Evaluation and Cost Analysis
ERA	Ecological Risk Assessment
ERP	Environmental Restoration Program
FFA	Federal Facility Agreement
FS	Feasibility Study
NAVFAC Navy	Naval Facilities Engineering Command U.S. Navy
NFRAP	No Further Response Action Plan
NNSY	Norfolk Naval Shipyard
NPL	National Priorities List
PA/SI	Preliminary Assessment/Site Inspection
PAO	Public Affairs Officer
PP	Proposed Plan
RAB	Restoration Advisory Board
RCRA	Resource Conservation and Recovery Act
RD/RA	Remedial Design and Remedial Action
RFA	Facility Assessment Report
RFA-S	Supplement to Interim Final RFA
RI	Remedial Investigation
ROD	Record of Decision
SMP	Site Management Plan
Superfund	Superfund Amendments and Reauthorization Act of 1986
TAG	technical assistance grant
TAPP	Technical Assistance for Public Participation
TRC	Technical Review Committee
USEPA	U.S. Environmental Protection Agency
VDEQ	Virginia Department of Environmental Quality



be more comprehensive than the requirements in CERCLA. The CIP is intended to be a site-specific strategy for meaningful community involvement throughout the CERCLA cleanup process. The Navy prepares and implements a CIP on an installation-wide basis rather than for a specific environmental restoration action (Navy, 2018).

This CIP is an update to a previous **Community Relations Plan (CRP)**¹ completed for NNSY in 2003. It has been completed in accordance with regulations and guidance for conducting community involvement activities related to environmental restoration, including:

- *Superfund Community Involvement Handbook* (January 2016)
- USEPA's Community Involvement Toolkit (<https://www.epa.gov/superfund/superfund-community-involvement-tools-and-resources>) (2019b)
- *Department of the Navy Environmental Restoration Program Manual* (2018)
- *Department of Defense (DoD) Management Guidance for the Defense Environmental Restoration Program* (September 2001)
- Title 32 of the **Code of Federal Regulations (CFR)** Part 203, **Final Rule [for] Technical Assistance for Public Participation (TAPP)** in Defense Environmental Restoration Activities (Federal Register, 1998)
- 30 CFR Part 202, Final Rule [for] Department of Defense Restoration Advisory Boards (Federal Register, 2006)
- DoD's *Restoration Advisory Board Rule Handbook* (March 2007)



The main goal of the NNSY community involvement program is to achieve effective, open communication among NNSY, the local community in the City of Portsmouth; the VDEQ, headquartered in Richmond, Virginia; and USEPA Region 3, located in Philadelphia, Pennsylvania. USEPA Region 3 is responsible for providing oversight to environmental investigations and cleanup in the mid-Atlantic region, including Virginia.

The primary objectives of the NNSY community involvement program are to:

- Encourage and promote two-way communication between the Navy and concerned individuals, including local residents and state and local officials
- Inform the public of planned and ongoing cleanup actions, major findings, and decisions

1.4 Implementation of the ERP

The **Naval Facilities Engineering Command (NAVFAC)** Mid-Atlantic administers the ERP at NNSY. As the owner of NNSY, the Navy is ultimately responsible for implementing the ERP and the associated community involvement program as outlined by this CIP. The NNSY Commanding Officer has the overall responsibility for administering this CIP, but typically has shared the tasks associated with implementing this CIP with the **Public Affairs Officer (PAO)** for NNSY, NNSY military and civilian personnel, state and federal regulatory agencies, and technical personnel contracted by the Navy to assist in the ERP process.

NNSY formed a CERCLA Tier I Partnering Team in January 1997. The NNSY Partnering Team is made up of NAVFAC Mid-Atlantic, USEPA Region 3, and VDEQ representatives, with support from the Navy's environmental contractor. By bringing these key parties together in regular, structured meetings to discuss and resolve issues, the NNSY Partnering Team promotes trust and cooperation that permits the remediation process to move forward at a quicker pace than was possible under traditional procedures.

¹ The term "Community Relations Plan" was replaced with "Community Involvement Plan" after the publication of USEPA's 2002 *Superfund Community Involvement Handbook*.

Facility Description and Site History



This section describes the NNSY facility, its location and brief history, the framework for environmental investigation at NNSY under CERCLA, and a brief overview of the environmental history. More details about the environmental status of sites at NNSY can be found in Appendix A and in the **Site Management Plan (SMP)** which is updated annually (CH2M HILL, Inc. [CH2M HILL], 2018).

2.1 Location and History

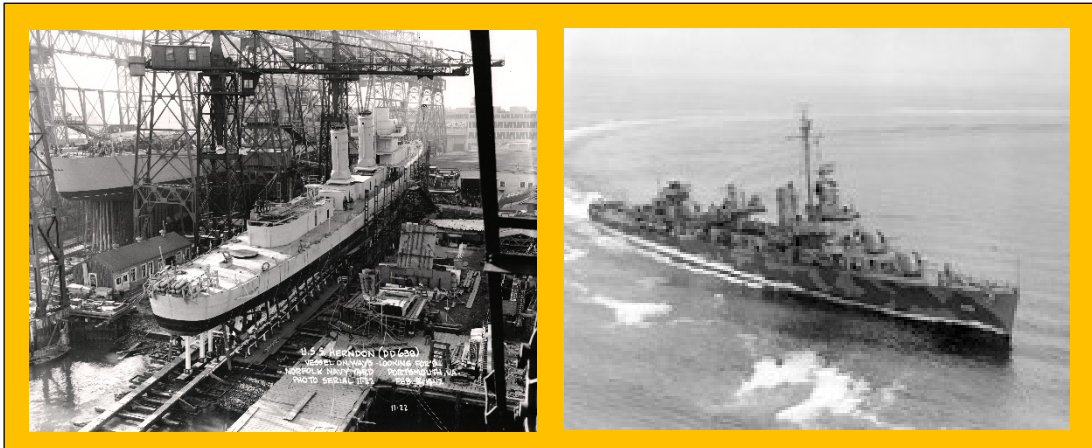
NNSY is located in Portsmouth, Virginia, on the Southern Branch of the Elizabeth River, near the mouth of the Chesapeake Bay (**Figure 2-1**). NNSY is centrally located in what is known as the Hampton Roads area of Virginia. Surrounding the NNSY facility is the City of Portsmouth to the north and west, the City of Chesapeake to the southwest and south, Paradise Creek to the south, and the Southern Branch of the Elizabeth River to the east.

NNSY is the oldest, continuously operated shipyard in the United States, with origins dating back to 1767, when it was a merchant shipyard under British rule and was called the Gosport Shipyard. With the outbreak of the American Revolution in 1775, the Shipyard was confiscated by the Commonwealth of Virginia. In 1801, the Shipyard was purchased by the federal government.

Until the beginning of the Civil War, shipbuilding and repair facilities at the Shipyard were gradually

Figure 2-1 Regional Site Map





expanded. Federal authorities burned the Shipyard when war was imminent in 1861. It was taken over by the Confederacy and burned twice more during the Civil War. Following the Civil War, the Shipyard was rebuilt and activities of repair, service, and construction of ships continued. During World Wars I and II, the Shipyard was greatly expanded and modernized.

After World War II, NNSY became primarily an overhaul and repair facility, and remains this type of facility to this day. NNSY’s primary mission is to repair, overhaul, dry-dock, convert, modernize, and inactivate ships, and to provide logistics services in support of the fleet.

The official mission assigned to this shipyard by the Secretary of the Navy is to:

- Provide logistic support for assigned ships and service craft.
- Perform authorized work in connection with construction, conversion, overhaul, repair, alteration, dry-docking, and outfitting of ships and craft, as assigned.
- Perform manufacturing, research, development, and test work, as assigned.
- Provide services and material to other activities and units, as directed by competent authority.



2.2 Facility Land Use

The present NNSY and nearby Navy-owned noncontiguous areas (**Figure 2-1**) comprise the following elements:

- Main Shipyard—Composed of 533 acres of waterfront ship repair facilities (dry docks, wet slips, berths, and so forth), a Controlled Industrial Area, Public Works, administration and supply facilities, housing, medical facilities, and personnel and community support services.
- Southgate Annex—A 63-acre area used primarily for storage.
- Scott Center Annex—A 63-acre recreational complex for NNSY personnel; the former Scott Center Landfill was remediated in 2005 with the removal of waste and the creation of sustainable tidal wetlands.
- Paradise Creek Disposal Area—A 91-acre hydraulic fill area formerly used for landfilling, solid waste disposal, and petroleum reclamation (storage of petroleum products and the maintenance and storage of waste-handling vehicles and equipment).

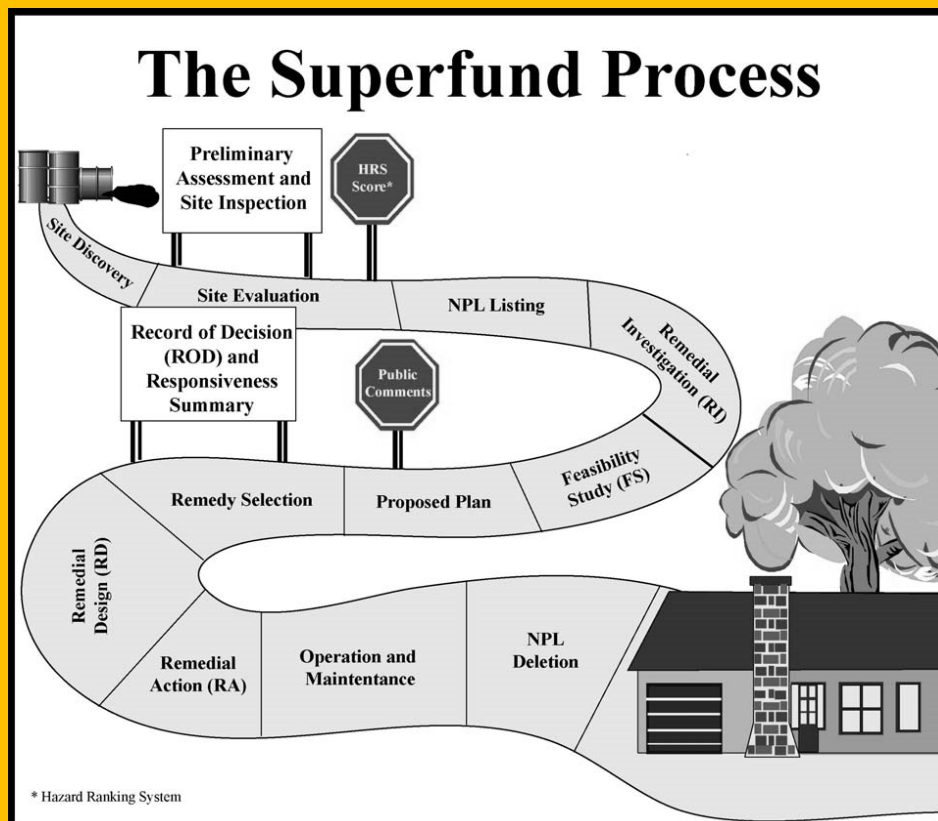


- New Gosport—A 57-acre former military housing area for married enlisted personnel; an area immediately to the north is the former New Gosport Landfill, which was remediated in 2001 with the removal of waste and the creation of sustainable tidal wetlands.

2.3 ERP and the CERCLA Process

Since 1986, the Navy's ERP has followed the process prescribed by CERCLA regulations and guidance for investigating and addressing environmental contamination. This multistep process is followed regardless of whether a facility is listed on the NPL, unless directed otherwise by a **Resource Conservation and Recovery Act (RCRA)** consent order or another legal instrument. The CERCLA process focuses on the management and remediation of non-operating sites with media contaminated with hazardous substances. The CERCLA process includes a series of activities, several of which are designed to involve the public in the decision-making process.

Figure 2-2. General CERCLA Process*



* Note: This EPA graphic generally describes the CERCLA process but is not applicable to all sites, particularly those at an installation that may already be listed on the NPL.

For more details about various CERCLA steps, visit: <https://www.epa.gov/superfund/superfund-cleanup-process/>

The investigations and remedial activities to be completed at NNSY follow the guidelines established by USEPA and the Navy as part of the CERCLA process. The CERCLA process is presented on **Figure 2-2** and described briefly in the following:

- **Preliminary Assessment/Site Inspection (PA/SI):** A preliminary evaluation and investigation to determine if there has been a release of hazardous waste or materials causing contamination that warrants further study or cleanup.
- **Remedial Investigation (RI):** An investigation to determine the nature and extent of contamination and associated human health and ecological risks.
- **Feasibility Study (FS):** If the RI determines that cleanup is warranted, the FS evaluates cleanup approaches that may be selected.
- **Proposed Plan (PP):** Documents the preferred cleanup approach based on an evaluation of various alternatives in the FS. The PP is provided to the public for formal comment before selecting a cleanup remedy.



- **Record of Decision (ROD):** Documents the selected remedy following consideration of public comments received on the PP. A summary of public comments and responses, known as a Responsiveness Summary, is included in the ROD.
- **Remedial Design and Remedial Action (RD/RA):** Development of the technical specifications for the remedy described in the ROD and implementation of the remedy.
- **Five-Year Reviews:** An evaluation of whether the selected remedy is protecting human health and the environment. Reviews are generally performed 5 years after the start of remedial action and repeated every 5 years as long as future land use is restricted.
- **Site Closeout:** Occurs when it has been determined that no further response is required at the site, all cleanup levels have been achieved, and the site is deemed protective of human health and the environment.
- **NPL Delisting:** Specific procedures must be followed to remove a site from the NPL. Sites having releases may be deleted from, or recategorized on the NPL, when no further response is appropriate.

In addition, the following activities may occur at any time during the CERCLA process:

- **Interim action:** Actions taken, as needed, to reduce imminent risks to human health and the environment, while long-term field investigations are being conducted or until a final remedy is selected.
- **Removal action:** Actions that can function either as an interim or a long-term means of addressing potential releases of contaminants and reducing human and ecological exposure. Removal actions vary in duration and are categorized by their urgency and duration, as follows:
 - **Emergency removals** require an immediate response to releases or threatened releases to the environment and are typically initiated within hours or days of determining that a removal action is appropriate.
 - **Time-critical removal actions** are situations where remediation activities must begin within 6 months of discovery of hazardous materials to protect public health and safety.
 - **Non-time-critical removal actions** occur when a removal action is appropriate, but the situation allows for a planning period of 6 months or more before beginning removal activities. Because these sites do not present an immediate threat to public health or safety, more time is available to thoroughly assess potential threats and evaluate cleanup alternatives.
- **Engineering Evaluation and Cost Analysis (EE/CA):** Completed for non-time-critical removal actions and similar to a fast-track, limited scope RI and FS.
- **No Further Response Action Plan (NFRAP):** A decision document that is developed after a field investigation finds that the levels of contaminants at a site do not pose a threat to human health and the environment.

In addition to the CERCLA process sequential steps, specific community involvement activities are required at certain points throughout the CERCLA process, and additional community involvement activities may occur at any point in the process. **Section 4.2** of this CIP discusses the required specific community involvement activities.

2.4 History of Environmental Investigation

Comprehensive environmental restoration activities at NNSY began in 1983 under the Navy Assessment and Control of Installation Pollutants Program, and currently continue under the ERP. Various facility-wide studies and detailed investigations were completed to identify and assess sites posing a potential threat to human health or the environment, including:

- Initial Assessment Study (Water and Air Research, 1983)
- Phase I Interim Resource Conservation and Recovery Act **Facility Assessment Report (RFA)** (NUS Corporation, 1986)



- **Supplement to Interim Final RFA (RFA-S)** (A. T. Kearney, Inc., 1987)
- Aerial Photographic Site Analysis (EPIC Study) (USEPA, 1994)

As a result of these early assessments, 218 potentially contaminated areas, or solid waste management units, were identified for further evaluation. These units were then grouped into discrete and individual areas of potential contamination, with a resulting 163 potentially contaminated areas at NNSY. Basewide investigations on these sites included:

- Interim Remedial Investigation (IT Corporation, 1989)
- Site Screening Assessment (Baker, 1999)
- Basewide Background Investigation (CH2M HILL, 2002)
- Paradise Creek **Ecological Risk Assessment (ERA)** (CH2M HILL, 2001)

Under the FFA for NNSY, annual SMP updates are required. The purpose of the SMP is to provide a management tool for NAVFAC Mid-Atlantic, NNSY, VDEQ, and USEPA personnel to use in planning and scheduling the environmental remedial response activities to be conducted at NNSY under CERCLA. **Appendix A** provides a summary of site-specific descriptions and describe the actions to be taken at NNSY. The details and results of environmental investigations, along with site-specific investigations, are summarized in previous versions of the SMP and most recently in the SMP, Fiscal Year 2019 (CH2M HILL, 2018). Each annual SMP includes, by site, a list of previous investigations and the current site status.



Community Overview



This section describes communities near NNSY, provides a brief history of past community involvement activities, and summarizes known community concerns about the site and the communications needs of community members.

3.1 Setting

NNSY is located in the historic seaport City of Portsmouth on the western bank of the Southern Branch of the Elizabeth River. The City of Norfolk lies across the Elizabeth River to the northeast, and the City of Chesapeake lies across the Elizabeth River east of NNSY and across Paradise Creek to the south.

NNSY is centrally located in what is known as the Hampton Roads area of Virginia. Hampton Roads is the name of the general metropolitan region as well as the body of water comprising the mouths of the James, Nansemond, and Elizabeth rivers where the Chesapeake Bay flows into the Atlantic Ocean. The region is mostly urban, with the distinction of having the largest urban concentration on the Atlantic coast between Washington, D.C., and Jacksonville, Florida.



Portsmouth is a city with a long and colorful history. Located on an excellent natural harbor, the town of Portsmouth was first established by the Virginia General Assembly in 1752. The town's original 65 acres include the revitalized 18th century neighborhoods of Olde Town and Olde Town South. Portsmouth also has the most sites included on the National Register of Historic Places of any city in Virginia, the oldest of which is the Trinity Episcopal Church, built in 1762.

Today, Portsmouth covers a land area of 33 square miles and is home not only to NNSY, but also to the largest Navy hospital on the east coast and a U.S. Coast Guard district headquarters. Portsmouth offers a newly revitalized downtown with retail, restaurant, and service-related businesses along with several neighborhood shopping centers. Portsmouth's waterfront on the Elizabeth River is linked to Waterside, a festival marketplace in Norfolk, by a ferry ride and boat taxi (City of Portsmouth, 2018).

3.2 Population

NNSY is located in the City of Portsmouth and abuts the Cities of Norfolk and Chesapeake. Demographic and economic data were collected for these municipalities and are shown in **Table 3-1**. Data for the Commonwealth of Virginia are also shown for comparison.



Demographic data reveal the following:

- Population in the Commonwealth of Virginia and the City of Chesapeake has increased since the last Census, but the population within the Cities of Portsmouth and Norfolk have remained steady or with slower growth.
- The Cities of Portsmouth and Norfolk have a higher non-white minority population than average for the Commonwealth of Virginia and neighboring Chesapeake.
- Portsmouth and Norfolk have a slightly lower median age than the median for Virginia or Chesapeake.
- Portsmouth and Norfolk residents have a lower median household income than the median for Virginia or Chesapeake.
- Portsmouth and Norfolk have a higher unemployment rate than Virginia or Chesapeake.
- Portsmouth and Norfolk tend to have a higher percentage of people living below the poverty level than the percentage for Virginia or Chesapeake.
- Most residents in Portsmouth, Norfolk, and Chesapeake speak English at home.

Table 3-1. Demographic Profile

	Commonwealth of Virginia	City of Portsmouth	City of Norfolk	City of Chesapeake
Total population, 2010 ^a	8,001,024	95,535	242,803	222,209
Total population, 2017 ^b	8,470,020	95,536	245,742	235,410
Percent change (2010–2017)	+5.86%	-0%	+1.01%	+5.94%
Percent minority (non-white) ^b	28.6%	56.7%	52.6%	35.3%
Hispanic or Latino ^b	9.0%	4.1%	7.6%	5.6%
Median age ^b	38.0	35.2	30.4	36.6
Median household income, 2016 ^b	\$68,766	\$48,727	\$47,137	\$72,214
Unemployment rate ^c (population older than 16 years old)	3.5%	6.0%	8.5%	5.6%
Persons living below the poverty level, 2016 ^b	11.2%	17.7%	16.2%	9.6%
Percent over 18 years old who speak English less than “very well” ^b	3.0%	0.7%	1.6%	1.2%
^a U.S. Census Bureau, 2019b ^b U.S. Census Bureau, 2019a				

3.3 Environmental Justice

The Environmental Justice Act of 1992 obligates federal agencies to make environmental justice part of their overall mission by identifying and addressing, as appropriate, disproportionately high and adverse human health or environmental effects of its programs, policies, and activities on minority populations and low-income populations. Environmental justice refers to the fair treatment and meaningful involvement of all people, regardless of race, color, national origin, or income, with respect to the development, implementation, and enforcement of environmental laws, regulations, and policies (USEPA, 2011).

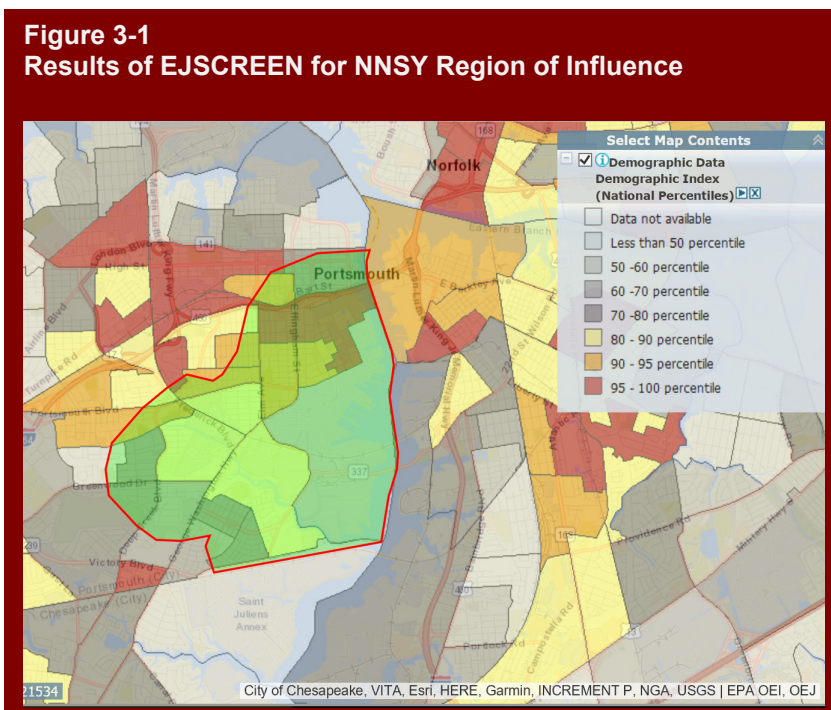


NNSY is aware of environmental justice issues and seeks to ensure that actions and activities related to its ERP do not disproportionately affect any segment of the population. An environmental justice screening was conducted for this CIP using a mapping tool developed by the USEPA called EJSCREEN (USEPA, 2019a).

EJSCREEN uses data on low-income and minority populations at the Census-block-group level (rather than county or city-level, as shown in Table 3-1), to develop a demographic index.

EJSCREEN was used to develop a demographic index for a defined region of influence around NNSY. Results of the EJSCREEN are shown in terms of percentiles, indicating the percent of the United States population that has a higher value for low-income and minority indicators. Percentiles at or above 95 percent indicate those areas are of particular concern for environmental justice issues. Areas within the region of influence for NNSY do fall into the 80th to 90th and 90th to 95th percentiles (**Figure 3-1**), meaning that the population in those areas are potentially more susceptible to environmental concerns.

Figure 3-1
Results of EJSCREEN for NNSY Region of Influence



3.4 Employment

Employment in the Hampton Roads area is dominated by the DoD. Local military includes all five branches of the service—U.S. Army, Navy, U.S. Air Force, U.S. Marine Corps, and U.S. Coast Guard. The area is home to one of the world's largest populations of military personnel and the largest concentration within the United States, with approximately 83,000 active duty military personnel and more than 40,000 civilians employed by the DoD. DoD spending accounts for 45.6 percent of all regional economic activity (Hampton Roads Chamber of Commerce, 2018).

The largest private sector employers are Huntington Ingalls Industries, Inc., Sentara Healthcare, and Walmart. The public-school systems for Virginia Beach, Chesapeake, Norfolk, and Newport News are also among the largest employers in the region, as is the City of Virginia Beach, City of Norfolk, City of Newport News, and City of Chesapeake (Virginia Employment Commission, 2018).

3.5 Community Setting

NNSY is flanked by single-family residential neighborhoods immediately to the northwest, west, and southwest of the facility. The closest schools to NNSY are Brighton Elementary School (approximately 0.5 miles northwest), James Hurst Elementary School (approximately 1.7 miles south), Cradock Middle School (approximately 1.2 miles southwest), and I.C. Norcom High School Middle School (approximately 1.8 miles north). Other private daycare centers, preschools, and church schools are also located in the communities surrounding NNSY.



Numerous opportunities exist in the area for recreation, including boating, fishing, shopping, and dining. Local tourist attractions include marinas, art galleries, specialty shops, community parks, historical sites and museums, such as the Naval Shipyard Museum, which traces the history of the Navy; the Portsmouth Lightship museum; and the Children’s Museum of Virginia. Courthouse Galleries, housed in the 1846 courthouse, features exhibits of national and international artists. Both the public and private schools have playgrounds and playing courts and fields. Paradise Creek Natural Park, a 40-acre waterfront park, is located immediately south of NNSY, and is



Portsmouth’s third largest public park. Paradise Creek Nature Park offers nature and fitness trails, a kayak launch, and picnic areas. Other local parks include George Washington Park and the Highland Biltmore Park. There is a skate park located in George Washington Park and a splash park and recreational fields in the surrounding area.

3.6 Local Water Use

The Columbia aquifer and the deeper Yorktown aquifer underlie the area. Groundwater generally discharges into the various surrounding surface water bodies such as drainage ditches, Paradise Creek, and the Southern Branch of the Elizabeth River. The depth of shallow groundwater at NNSY ranges from about 5 feet below ground surface in topographically higher areas to less than 1 foot below ground surface near surface water bodies.

In southeastern Virginia, the Columbia aquifer may be used as a domestic potable water source for watering lawns or filling swimming pools. However, groundwater in the Columbia aquifer has poor yield and is of poorer quality than the underlying Yorktown aquifer and is generally not used in the area.

However, the Yorktown aquifer is used extensively for domestic and public water supply, as well as for industrial purposes. The public water supply system for NNSY and the surrounding community is operated by the City of Portsmouth; source water is obtained from the Northwest River and the Yorktown aquifer.

There are no large commercial farms in the area. Residents of NNSY and community residents may maintain their own small gardens, which are most likely to be watered using potable water or rain barrels.

3.7 History of Community Outreach

A **Technical Review Committee (TRC)**, which provided an opportunity for community members to learn about environmental issues at NNSY, first met in the mid-1980s.

In 1994, the NNSY developed its first formal Community Relations Plan related to environmental restoration in 1994 based on 24 community interviews. In 1995, the Navy established a **Restoration Advisory Board (RAB)** composed of community members as well as representatives of the VDEQ and USEPA. The RAB took over the functions of the former TRC and provided an opportunity for community members to provide input into the decision-making processes related to environmental restoration at NNSY. Regular RAB meetings were held from 1995 to 2007, with sporadic meetings in 2010 and 2011. No RAB meetings have been held since 2011.



3.8 Community Issues and Concerns

3.8.1 Past Community Issues and Concerns

To update the initial CRP, community interviews were conducted in October 2002. Nineteen people were interviewed by the consultant team.

The 2002 interviews in general reflected an excellent relationship between NNSY, NNSY employees, and the residents of Portsmouth. The community's positive perception of NNSY exists largely because NNSY plays a significant role in the local economy and is the fourth largest employer in Hampton Roads. Specifically, NNSY's open communication, commitment, involvement in the community and environmental stewardship were all rated satisfactory by the interviewees. The trusting relationship between NNSY and the community was rated better than satisfactory.

3.8.2 Process to Assess Current Community Issues and Concerns

To update this CIP, more than 1,000 written questionnaires were mailed to residents living within 3,000 feet of the NNSY Base boundaries in August 2017. A total of 32 questionnaire responses were received, representing a 3.2 percent response rate. **Appendix B** contains a copy of the written questionnaire.

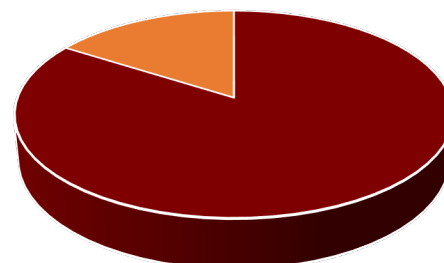
In addition, personal interviews were conducted with seven representatives of Portsmouth City government and the Elizabeth River Project.

3.8.3 Current Community Issues and Concerns

Following are specific highlights of the results of the written questionnaire. **Appendix C** provides more details on these results.

- The majority of those responding to the questionnaire live in the neighboring community but neither live nor work on-Base (81 percent).
- A total of 94 percent of respondents have lived in the community for at least 6 years and 19 percent have lived in the community for more than 50 years.
- A total of 84 percent of respondents were not aware that the Navy is conducting environmental investigations and cleanup of hazardous waste sites.
- Fully 97 percent of respondents were not aware of the previous existence of the RAB.
- A total of 91 percent of respondents were not aware of who to reach for information regarding the NNSY environmental cleanup program.
- A total of 59 percent of respondents were not aware that the Navy places NNSY documents at the Public Affairs Office for public review. Of the 10 respondents who were aware, none had ever reviewed documents on file.
- None of the respondents had seen a NNSY public notice in the newspaper.
- Of the 94 percent of respondents who had an opinion on the Navy's communication with the community regarding the ERP, only 3 percent ranked the Navy's communication as excellent, while 56 percent ranked it very poor.

Awareness of Navy's Environmental Remediation at NNSY



- Unaware
- Aware



- Of the respondents who had an opinion on NNSY communications to the community, 75 percent ranked their communications about the ERP below average and needing major improvement.
- Of those that were concerned regarding environmental site investigation and cleanup at NNSY, people were mostly concerned about impacts to health (53 percent), impacts to air quality (53 percent), and impacts to ground water (38 percent).

Those interviewed tended to be more knowledgeable about the ERP at NNSY and tended to feel that the Navy is doing a good job. However, most also indicated that they did not think the general community was aware of the environmental restoration work at NNSY and that the community would be interested in knowing more. In summary, both the written questionnaire responses and the results of the personal interviews revealed the following:

- Local residents are generally not aware of environmental contamination on the Base and activities to address the contamination, and if they are aware, they have only a vague awareness of the ERP.
- The local populace generally thinks the community has been directly affected by the historic contamination at NNSY and does not feel that the Navy is fulfilling its role as a responsible neighbor.
- Respondents were almost universally unaware of ways to get more information, such as public meetings, the website, the information repository, or who to call for more information.
- Of those respondents who were aware of environmental work at NNSY, most felt that the Navy should communicate more about environmental restoration accomplishments.
- In general, respondents expressed a desire for more information about ERP at NNSY, preferably through local radio and television, newspaper notices, and public meetings, and a mailing list.



The Community Involvement Program



The main goal of the NNSY CIP is to achieve effective, open communication between NNSY and the City of Portsmouth, the VDEQ, and USEPA Region 3.

In cooperation with USEPA and VDEQ, the Navy will function as the lead agency responsible for managing the community involvement program at NNSY. The Navy will facilitate communications with the community based not only on the community involvement requirements of CERCLA, but also on the community's interests and concerns, as identified in the questionnaires and community interviews conducted to update this CIP. This community involvement program will enable the Navy to respond to public interest in, and concerns about, the environmental investigation and remediation activities at NNSY.

Since the start of the community relations program in the early 1990s, community involvement activities have been conducted to support the ERP in accordance with CERCLA. Required activities have included public notices, public meetings, and public comment periods for specific documents, such as proposed plans. Public meetings tend to attract a small group of local residents and media attention has been sparse. Past community relations activities are documented in the **Administrative Record (AR)**. In addition to specific activities required by CERCLA, other past community involvement activities have included:

- Regular RAB meetings from 1995 to 2007 with sporadic meetings in 2010 and 2011.
- Distribution of several Base environmental fact sheets as significant changes or findings occur within the Base's ERP.

The activities described below are part of the community involvement strategy addressing the community involvement objectives for NNSY and the information needs of the local community. This CIP is a dynamic document that will evolve as the project progresses.

NNSY has always had a cooperative relationship with the community, but until the ERP, NNSY never had to focus on informing and educating the public about environmental issues. The effectiveness of the NNSY community involvement program is dependent on timely and accurate information dissemination, feedback from the public, the Navy's response to community concerns, and an effective dialogue with the regulatory agencies. The Navy is committed to a proactive community involvement program, supplying complete information to the community in a timely fashion and in a clear, concise form.

4.1 Objectives of the Community Involvement Program

The primary objectives of the NNSY community involvement program are to:

- Encourage and promote two-way communication between the Navy and concerned individuals, including local residents and state and local officials.
- Inform the general public of planned and ongoing cleanup actions, major findings, and decisions.
- Furnish accurate, timely, and understandable information to affected and interested parties.
- Provide and maintain a process of monitoring public concerns and information needs throughout the environmental restoration process.





- Ensure a system for incorporating public comments into the ER process in a timely and meaningful way is in place.
- Gather and update information about NNSY neighboring communities.
- Revise the community involvement program as necessary to meet the changing needs of the local community.

4.2 Required Community Involvement Activities

Several community involvement activities are required as part of the CERCLA process. These are described in the following subsections and shown in **Table 5-1**.

4.2.1 Designate Navy Contacts

Description: Provide a point of contact and information resources to respond to inquiries from the public.

Goal: Provide accurate, timely, and easy-to-understand information to community members seeking information about the ERP at NNSY.

Current Implementation: The Navy PAO for NNSY is the primary point of contact for the ERP and will work closely with the ERP Manager. The PAO's contact information (address, phone, and email) is listed in public notices.

As the primary point of contact for the ERP for NNSY, the PAO serves as the central information source for public and media inquiries. As the key spokesperson, he or she is responsible for answering telephone calls and responding to written inquiries about site activities. In addition, the NNSY PAO will keep the regional Navy's PAO informed of ongoing issues.

Planned Implementation: The Navy will continue to publicize the PAO's contact information as the primary point of contact and will ensure the information is provided in all articles, announcements, and advertisements.

Timing: Ongoing

4.2.2 Establish and Maintain an Information Repository

Description: The Information Repository is a one-stop collection of documents for the public, where people can easily find information about CERCLA in general and the status of the cleanup and remediation at project sites. Under CERCLA, it is required to be located "at or near" the site. Typically, it is located in a convenient, easily accessible public location such as a public library.

Goal: To provide convenient access to site-related information for community members.

Current Implementation: An Information Repository has been established in the City of Portsmouth Main Branch Library, in Portsmouth, approximately 1.5 miles from NNSY. Documents that are available for public review are placed in the library and then removed again after 30 days or after a public comment period has ended. In addition, a copy of the most recent SMP and any current fact sheets should also be placed in the Information Repository.





Planned Implementation: The Navy will continue to use the City of Portsmouth Main Branch Library as the Information Repository location and will update it as appropriate.

Table 4-1 shows the location and hours of the City of Portsmouth Main Branch Library.

Table 4-1. Public Information Repository

Information Repository Location	Address and Telephone	Hours	Distance from NNSY
City of Portsmouth Main Branch Library	601 Court Street Portsmouth, VA 23704 (757) 393-8501	Mon – Thurs: 10:00 a.m.-6:00 p.m. Fri – Sat: 10:00 a.m. – 5:00 p.m. Sunday: CLOSED	1.5 miles

Timing: Ongoing. The Information Repository will be maintained as needed for documents available for public comment. The location of the Information Repository will be referenced in future fact sheets and public notices.

4.2.3 Establish and Maintain an Administrative Record File

Description: The AR includes documents that were considered or relied upon in selecting a response action.

Goal: To provide community members with a comprehensive record of all documents and resources used by the Navy in reaching all decisions about the NPL site and its cleanup.

Current Implementation: For NNSY, copies of AR documents are available by searching the online Administrative Record located on the NNSY public website at <https://go.usa.gov/cwTf5>. Copies of documents are also available by contacting the PAO or the Navy Remedial Project Manager.



Planned Implementation: The Navy will continue to update the AR file as needed.

Timing: The Navy will continue to update the AR file as needed. The AR was established as soon as site investigations began, and it will remain open until the last ROD has been signed. After the last ROD has been signed, the AR may be closed but a records file may remain open for post-ROD documents, such as Five-year Reviews. Alternatively, the Navy may choose to keep the AR open until the Base has been de-listed from the NPL.

4.2.4 Provide Technical Assistance Grant Information

Description: A **technical assistance grant (TAG)** is a program administered by USEPA that provides grants to any group of individuals that may be affected by a release or threatened release at any installation on the NPL. A TAG may be used to obtain technical assistance in interpreting information about the nature of the hazard, or the process or results of any of the investigations and plans in the CERCLA process. USEPA has specific guidelines for groups that apply for and administer TAG grants and the value can be up to \$50,000 for a single recipient.



Information about the TAG program is required to be provided to eligible groups prior to the start of remedial investigation. The information repository should contain information about TAGs. Typically, information is also presented to members of a RAB, although other community groups may apply for a TAG.

Goal: To provide resources for community groups to hire technical advisors who can assist them in interpreting technical information about ERP sites.

Current implementation: Information about TAGs is posted on USEPA's Superfund website, although not on the NNSY environmental restoration program website. NNSY does not currently have a RAB.

Planned implementation: Should the RAB be reinstated, Navy or USEPA may provide RAB members with information about the TAG program at an early RAB meeting. Information about the TAG program is available on USEPA's website, which is linked through the NNSY ERP website. Information about the TAG program will be placed in the Information Repository if it is not there currently.

Timing: The Navy will promote the TAG program at an early RAB meeting (should the RAB be reinstated), will check the information repository, and may post information about the TAG program directly on the community outreach page of the NNSY ERP website within one year of publication of this CIP.

4.2.5 Provide Technical Assistance for Public Participation

Description: Similar to the TAG program, the DoD established the TAPP program (USEPA, 1998) to provide a mechanism for RABs to obtain technical assistance. Examples of TAPP projects include reviewing restoration documents and proposed remedial technologies, interpreting environmental health effects, participating in relative risk-ranking exercises (which are used to prioritize restoration activities at a facility), and certain types of technical training.

The RAB can define a proposed TAPP project and prepare a TAPP request. The Navy will then prepare a Statement of Work and procure a qualified technical assistance provider. The RAB may be asked to assist by commenting on potential providers. Funding is provided for up to \$25,000 per year, or one percent of the total restoration cost (whichever is less), with a limit of \$100,000 total over the life of the program at any one installation.

Since inception of the rule, the Navy has trained personnel in the TAPP process and produced presentation material. The RAB may request TAPP presentations or training through their Navy co-chair.

Goal: To enable RABs to obtain technical assistance to help them better understand and provide input into the CERCLA process at NNSY.

Current implementation: Given that the NNSY RAB has been inactive since 2011, no TAPP has been awarded for NNSY nor have any presentations been made about the TAPP program.

Planned implementation: Should the RAB be reinstated, the Navy will provide RAB members with information about the TAPP program at an early RAB meeting. Information about the TAPP program will be placed in the Information Repository if it is not there currently. Information about the TAPP program could also be made available on the NNSY ERP website.

Timing: The Navy will promote the TAPP program at an early RAB meeting (should the RAB be reinstated), will check the information repository, and may post information about the TAPP program directly on the community outreach page of the NNSY ERP website within 1 year of publication of this CIP.



4.2.6 Hold Public Meetings

Description: A public meeting is an open forum, usually featuring a presentation on a specific topic by the environmental restoration program managers and other members of the site team. The public may ask questions and make public comments.

Public meetings are required at specific steps in the CERCLA process. If a public meeting is held during a public comment period, a court reporter is used to produce a written transcript of the meeting to become part of the AR. Public meetings must be held upon request whenever a formal public comment period is required under CERCLA regulations.

Informal public meetings may be held at any time in the CERCLA process to keep community members informed about environmental restoration program activities. Informal public meetings do not require use of a court reporter.

Goal: To provide stakeholders with opportunities to learn about the status of site cleanups, receive responses to their questions and concerns, and have an opportunity to submit comments on proposed actions or decisions.

Current Implementation: Currently, public meetings are held as required under CERCLA for specific technical activities, such as during the public comment period on proposed plans. Public meetings have generally been held at the Portsmouth Main Branch Library. This library offers a well-equipped and accessible meeting room that is convenient to both NNSY employees and local community residents and does not require entry to the installation through security checkpoints.

Public meetings during comment periods are publicized at the opening of the public comment period and are held during the comment period. In accordance with CERCLA and DoD policy and guidance, a paid notice advertising the public meeting is published in the *Virginian-Pilot*.

Planned Implementation: NNSY will continue to hold public meetings as required by CERCLA. Because 85 percent of questionnaire respondents indicated that they have not seen a newspaper advertisement for public meetings, the Navy may consider using other methods in conjunction with the newspaper ads to advertise public meetings, such as a posting information about public meetings on the City's meeting announcement "e-blast" (with their permission), advertising on digital newspaper sites, notices on the NNSY website, and distributing public service announcements on radio.

Timing: The Navy will continue to hold public meetings whenever a formal public comment period is required (for example, upon completion of draft final proposed plans). The Navy may choose to hold informal public meetings if warranted.

4.2.7 Provide Comment Periods

Description: Public comment periods lasting a minimum of 30 days are held to give community members an opportunity to provide input on major decisions in the CERCLA process, such as the selection of removal actions or selected cleanup remedies.





When a public meeting is held during a public comment period, a court reporter is used to accurately capture comments made during the meeting. This transcript becomes part of the final ROD. Community members may also submit written comments at any time during the public comment period. The public comment period can be extended an additional 30 days if requested by the public. As required, a written response is prepared for significant comments received and included in the ROD.

Goal: Provides community members with an opportunity for meaningful involvement in the process and provides the Navy with valuable information for use in making decisions.

Current Implementation: Public comment periods are held as required under CERCLA and DoD policy for specific technical activities, such as during the public comment period on proposed plans. The Navy places the document that is available for public comment in the information repository at the City of Portsmouth Main Branch Library and publishes a notice announcing a 30-day public comment period (for an EE/CA) or a 45-day public comment period (for a proposed plan) in the *Virginian-Pilot*. The notice includes a brief description of the document and advertises the availability of the document in the Information Repository.

Planned Implementation: The Navy will continue to hold and publicize comment periods as appropriate and required under CERCLA.

Timing: Comment periods will be held and publicized for specific technical activities as required.

4.2.8 Prepare a Responsiveness Summary

Description: At the end of a public comment period, a Responsiveness Summary will be prepared summarizing comments received and the Navy’s responses to public comments. The summary will inform the decision makers about the community preferences, as well as any general concerns. It also provides the public with documentation of the concerns raised and the Navy’s responses to those concerns. Responsiveness Summaries are made available to the public in the AR as a part of the ROD.

Goal: The purpose of a Responsiveness Summary is to summarize comments received during comment periods, to document how the Navy has considered those comments during the decision-making process, and to provide responses to major comments.

Current Implementation: Responsiveness summaries are prepared and published as an appendix to the ROD. A ROD is placed in the Information Repository for 30 days after it has been signed and is placed in the AR.

Planned Implementation: The Navy will continue to produce responsiveness summaries as part of RODs and will place the RODs in the Information Repository and AR.

Timing: The Navy will continue to issue responsiveness summaries whenever a ROD is prepared.

4.2.9 Update the Community Involvement Plan

Description: The CIP is a written plan of action that provides for interaction with the public, elected officials, and environmental groups, including obtaining their input at appropriate points during the environmental restoration process. Periodic updates or consideration of an update are required at various steps in the CERCLA process.





Goal: To provide a current foundation for establishing two-way communication with the public to create an understanding of ERP and related actions, to assure public input into decision making processes related to affected communities, and to make certain that the Navy is aware of and responsive to public concerns.

Current Implementation: The last CIP update was published in June 2003. Like the 2003 update, this CIP update is based on the results of written questionnaires of local residents and personal interviews with representatives of local government, civic, and environmental groups.

Planned Implementation: This CIP update will be made available to the public in the Information Repository and on the NNSY ERP website.

Timing: This CIP was originally published in 1994, updated in June 2003, and again now with this update. Under CERCLA, a revision to the CIP should be considered: (1) after a ROD is signed, if significant community concerns are discovered that pertain to the remedial design and construction phase, or (2) as appropriate when a major change in the ERP at NNSY occurs. Otherwise, Navy guidance recommends the Navy consider updating the CIP every 3 to 5 years. CIP Updates are often planned to coordinate with Five-year Reviews.

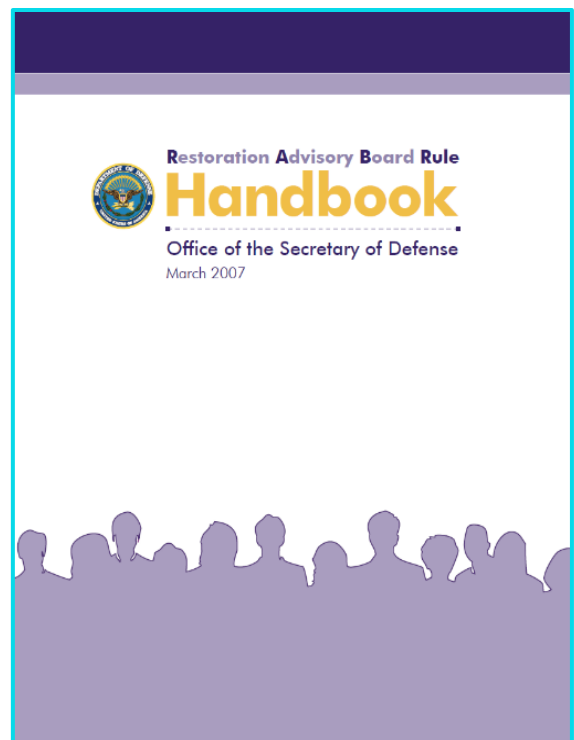
4.3 Additional Community Involvement Activities

4.3.1 Reestablish a Restoration Advisory Board

Description: A RAB is an advisory group for the restoration process, with members from the public, the Navy, and the regulatory agencies. These individuals are considered a key resource in efforts to communicate openly and effectively with the community at large. A RAB is designed to act as a focal point for the exchange of information between a DoD facility and the local community regarding ER activities. A RAB is intended to bring community members with diverse interests within the local community together with government officials representing the Navy, USEPA, and VDEQ. This enables the early and continued two-way flow of information, concerns, values, and needs between the community and NNSY, and provides community members an opportunity to be involved in the ERP.

Goal: To gain effective input from stakeholders on cleanup activities and increase installation responsiveness to the community's concerns about the ERPs.

Current Implementation: According to the 2003 Community Relations Plan (CH2M HILL, 2003), the NNSY RAB was the cornerstone of the ERP community relations program. The RAB was an advisory unit made up of community members, local environmental group members, and state and federal officials. The RAB was designed to function as a focal point for the exchange of information between NNSY and the local community regarding environmental restoration activities. The community's knowledge of environmental activities, as well as ERP staff awareness of community interests and concerns, was advanced through active public involvement with the RAB. The RAB met as required to ensure the members were kept informed of ongoing activities. All RAB meetings were open to the general public and were announced through advertisements in local papers. The RAB typically met annually until 2007. After that, however, the need for and community interest in the RAB began to wane. No meetings were held between 2007 and 2010. One meeting was held in 2010 and one in 2011, but the RAB has been inactive since then.





According to the *RAB Rule Handbook* (Office of the Secretary of Defense, 2007), a RAB can stop in one of two ways—either by adjourning or dissolving. Dissolution is appropriate when the RAB has become ineffective and is no longer fulfilling the intended purposes of advising and providing community input to the installation and decisionmakers on environmental restoration projects. By this description, the NNSY RAB has been dissolved.

Planned Implementation: Dissolution of a RAB is not permanent. A RAB may be reestablished if community interest increases or if environmental restoration activities are ongoing or reoccur. Under the RAB Rule (Federal Register, 2006), an Installation Commander should continue to evaluate community interest in a RAB every 24 months. Typically, an installation will form (or re-form) a RAB when there is sufficient and sustained community interest and one of the following criteria are met:

- The installation is closing and transferring property to the community.
- At least 50 local citizens have petitioned for a RAB.
- Federal, tribal, state, or local government representatives have requested a RAB.
- The installation has determined the need for a RAB.

Results of the questionnaires indicate interest in reestablishing the RAB, as well as a need for the two-way communication between NNSY and the community that the RAB promoted. While the questionnaire results do not solely reflect established need to re-form the RAB, the Navy is currently considering the possibility of reestablishing the NNSY RAB.

Should NNSY decide to reestablish the RAB, the *Restoration Advisory Board Rule Handbook* (DoD, 2007) (and the RAB Rule itself) outline steps for restarting the RAB, recruiting community members, establishing ground rules, and handling other logistical issues related to reestablishing the RAB.

Communication about the RAB may include published newspaper notices or email notification to invite the public to RAB meetings, radio public service announcements, website updates, and announcements placed in public places such as the Portsmouth Library. Other creative ways to notify the public about RAB meetings should also be considered. While community members may still choose not to attend RAB meetings for a variety of reasons, being unaware of them should not be a significant reason.

If RAB meetings are reestablished, the Navy will likely resume posting meeting summaries on its website and emailing them to all RAB members.

Timing: The Navy will determine the need for reestablishing the RAB within 24 months of publication of this CIP. Should a RAB not be reestablished, the Navy will continue to evaluate the potential need for a RAB every 24 months.

4.3.2 Maintain a Mailing List of Interested Parties

Description: A mailing list of persons known to be interested in NNSY ERP activities may be maintained. The list may include mailing addresses, as well as email addresses.

Goal: To provide project information to stakeholders who want to be kept informed about ERP activities.

Current Implementation: While the RAB was active, the Navy maintained a mailing list of RAB members and other interested parties. The RAB members and interested parties received notification of the RAB meeting by regular mail or email. With the dissolution of the RAB, the mailing list is presumed to be out of date.

Planned Activity: The Navy will update the mailing lists developed from community questionnaires and the list of community contacts and continue to maintain and periodically update this list of interested parties. Interested community members and groups will be added to the list upon request. Key community contacts to be included in the mailing list are shown in **Appendix D**.



The updated mailing list can be maintained in a database or spreadsheet to facilitate sorting and printing labels for different types of mailings. In addition, email addresses should be maintained to the extent possible, to enable the Navy to send out electronic notifications. The Navy can use this updated mailing list (electronic and print) to send notifications of upcoming activities, such as potential RAB meetings and public meetings, as well as fact sheets and information about proposed plans and other site activities.

Timing: Ongoing.

4.3.3 Maintain a Website

Description: Internet technology allows new information to be made available quickly and enables information to be delivered in a user-friendly manner, at the convenience of the user. Increasingly, people rely on the internet to obtain information. Furthermore, maintaining a website rather than printing large numbers of documents and fact sheets saves paper and money spent on printing and mailing.

Goal: To enable community members to access key information about CERCLA in general and more detailed information about the NNSY ERP on their own time and at minimal expense.

Current Implementation: The Navy has established a public website for information about the NNSY ERP at <https://go.usa.gov/cwTf5>. The website provides historical and overview information about the ERP, updated information about active sites, past RAB meeting minutes, and access to the searchable Administrative Record. In addition, USEPA maintains site information specific to NNSY on the internet at <https://cumulis.epa.gov/supercpad/cursites/csitinfo.cfm?id=0302841>. General information about USEPA and CERCLA can be found at the USEPA Superfund website at <https://www.epa.gov/superfund>. Links to these sites are provided on the NNSY ERP website.

<https://go.usa.gov/cwTf5>

NAVFAC Environmental
Naval Facilities Engineering Command

Enter Query

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ABOUT US PRODUCTS AND SERVICES

Environmental > Products and Services > Environmental Restoration > Installation Map > NAVFAC Atlantic > NAVFAC Mid Atlantic > Naval Shipyard Portsmouth

Allegany Ballistics Laboratory

Marine Corps Base Camp Lejeune

Joint Expeditionary Base Little Creek - Fort Story

Marine Corps Air Station Cherry Point

Naval Air Station Oceana

Naval Shipyard Portsmouth

Site Descriptions

Community Outreach

Administrative Records

Naval Shipyard Portsmouth
Environmental Restoration Program Public Web Site

HOME PAGE SITE DESCRIPTIONS COMMUNITY OUTREACH ADMINISTRATIVE RECORDS LINKS

Background

This web site is part of the Navy's active efforts to provide accurate, timely, and comprehensive information on the Navy's Environmental Restoration Program (NERP) that includes both the Installation Restoration Program (IRP) and the Munitions

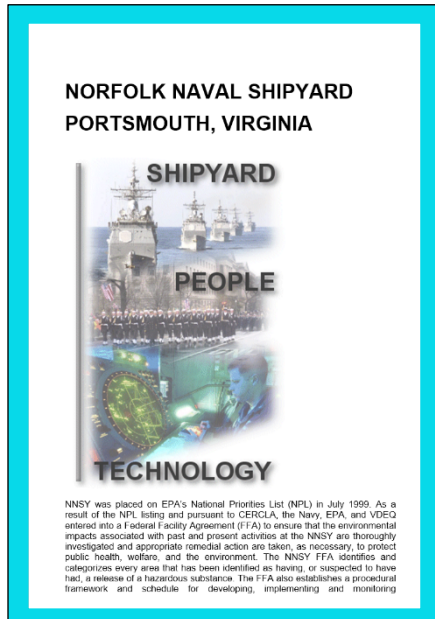
Implementation: The Navy will continue to update the website on a regular basis. When significant actions occur, such as remedial construction, photos and updated information may also be added to the website. Documents such as fact sheets, final RAB minutes, this updated CIP, annual SMP Update, the Five-year Review, and other documents of interest to the public will also be posted on the NNSY ERP website.

Timing: Ongoing.



4.3.4 Prepare and Distribute Fact Sheets

Description: Fact sheets are brief documents intended to inform stakeholders about technical information and progress of the investigation and cleanup process. Fact sheets are written for nontechnical audiences and use straightforward graphics to describe technical issues.



Goal: To provide stakeholders with current, accurate, easy-to-understand information about the Navy's environmental investigations and munitions response activities at NNSY.

Current Implementation: The Navy produces fact sheets as required or occasionally as needed to communicate about a specific Base issue. Fact sheets were previously distributed at RAB meetings and mailed to the RAB mailing list. They were also placed in the information repository at the City of Portsmouth Main Branch Library (where the RAB meetings were held).

Planned Implementation: Community interviews and questionnaires indicate that community members are very interested in knowing more about the NNSY ERP. Furthermore, the Navy has implemented site restoration activities at several sites. The Navy, USEPA, and VDEQ have also jointly initiated a communication program called "Mission Cleanup" intended to better communicate successful environmental restoration activities at DoD facilities. Therefore, the Navy will consider developing status update fact sheets and mission cleanup fact sheets more frequently to help meet the community's needs for more information about the NNSY ERP.

NNSY ERP and public affairs staff will continue to develop required fact sheets, such as for Five-year Reviews and Completion of Remedial Design. For proposed remedial actions that require a public comment period, the proposed plan is a summary document that serves the function of a fact sheet.

Timing: The Navy will produce required fact sheets in accordance with CERCLA policy and may consider developing annual status update fact sheets. When produced, fact sheets will be posted on the NNSY ERP website and distributed by email to the site mailing list (and RAB members, should the RAB be reestablished) with limited hard-copies made available at the PAO's office and at the Portsmouth Library.

Timing of Community Involvement Activities



Table 5-1 presents the general timing of community involvement activities associated with potential environmental restoration activities. Community involvement activities related to these sites may be combined or separate, depending on timing and level of public concern and interest relative to the status and schedule of ERP activities.



Table 5-1. Timing of Required and Recommended Community Involvement Activities

	Preliminary Assessment Site Inspection	Remedial Investigation Feasibility Study	Proposed Plan	Record of Decision	Remedial Design Remedial Action	Pre-ROD Significant Changes	Post-ROD Significant Changes	Removal Action < 6 Months	Removal Action > 120 Days	Removal Action > 6 Months	Five-Year Review
Designate Navy Contacts	■	Ongoing activity						■	■	■	○
Information Repository	■	Ongoing activity							■	■	○
Administrative Record		■	Ongoing activity					■	■	■	○
Technical Assistance Grant Information	■	Ongoing activity									
Technical Assistance for Public Participation Information	■	Ongoing activity									
Public Notice	■		■	■		○	■	■	■	■	■
Public Meetings		○	■	○	■	○	○	○	○	○	○
Public Comment Period			■			■		■	■	■	■
Responsiveness Summary				■		■		■	■	■	
Community Involvement Plan	■				■				■	■	○
Restoration Advisory Board	○	○	○	○	○	○	○	○	○	○	○
Mailing List	○	○	○	○	○	○	○	○	○	○	○
Website	○	○	○	○	○	○	○	○	○	○	○
Fact Sheets			■ ¹		■		■ ²				○

- Ongoing activity
- Required activity
- Discretionary activity as determined by community interest or as needed

1. PP may be published as a fact sheet.
 2. Explanation of Significant Differences may be published as a fact sheet.
 Source: *Superfund Community Involvement Handbook* (USEPA, 2016)

References



- A. T. Kearney, Inc. 1987. *Supplement to Interim Final RCRA Facility Assessment Report (RFA), Norfolk Naval Shipyard, Portsmouth, Virginia*. March.
- Baker. 1999. *Norfolk Naval Shipyard Site Screening Assessment (SSA) Report*. November.
- CH2M HILL, Inc. (CH2M HILL). 2001. *Paradise Creek Ecological Risk Assessment, Norfolk Naval Shipyard, Portsmouth, Virginia*
- CH2M HILL, Inc. (CH2M HILL). 2002. *Final Background Investigation, Norfolk Naval Shipyard, Portsmouth, Virginia*. May.
- CH2M HILL, Inc. (CH2M HILL). 2003. *Final Community Relations Plan for Norfolk Naval Shipyard, Norfolk Naval Shipyard, Portsmouth, Virginia*. June.
- CH2M HILL, Inc. (CH2M HILL). 2018. *Final Five-Year Site Management Plan Fiscal Year 2019, Norfolk Naval Shipyard, Portsmouth, Virginia*. October.
- City of Portsmouth. 2018. *Access Lifestyle – Portsmouth Economic Development*. Accessed November 30. <http://www.accessportsmouthva.com/access-portsmouth/access-lifestyle/>.
- Department of Defense (DoD). 1998. Final Rule Technical Assistance for Public Participation (TAPP) in Defense Environmental Restoration Activities (Federal Register, Volume 63, Number 21). February.
- Department of Defense (DoD). 2001. *Management Guidance for the Defense Environmental Restoration Program*. September.
- Department of Defense (DoD). 2007. *Restoration Advisory Board Rule Handbook*. March.
- Department of the Navy (Navy). 2018. *Department of the Navy Environmental Restoration Program Manual*. 2018. Federal Register, Volume 63, Number 21. 1998. *Department of Defense, Office of the Secretary, 32 CFR Part 203, Technical Assistance for Public Participation (TAPP) in Defense Environmental Restoration Activities*. February 2.
- Federal Register, Volume 71, Number 92. 2006. *Department of Defense, Office of the Secretary, 32 CFR Part 202, Department of Defense Restoration Advisory Boards*. May 12.
- Hampton Roads Chamber of Commerce. 2018. *Our Military*. Accessed November 12. <https://hamptonroadschamber.com/page/our-military/>.
- IT Corporation. 1989. *Interim Remedial Investigation, Norfolk Naval Shipyard, Portsmouth, Virginia*. August.
- NUS Corporation. 1986. *Phase I Final Interim RCRA Facility Assessment Report (RFA), Norfolk Naval Shipyard, Portsmouth, Virginia*. October.
- Office of the Secretary of Defense. 2007. *Restoration Advisory Board Rule Handbook*. March.
- U.S. Environmental Protection Agency (USEPA). 1994. *Aerial Photographic Site Analysis (EPIC Study), Norfolk Naval Shipyard*.
- U.S. Environmental Protection Agency (USEPA). 1998.
- U.S. Environmental Protection Agency (USEPA). 2011. *Plan EJ 2014, Office of Environmental Justice*. September.
- U.S. Environmental Protection Agency (USEPA). 2016. *Superfund Community Involvement Handbook*. January.
- U.S. Environmental Protection Agency (USEPA). 2019a. *Environmental Justice Program*. Accessed June 18. <http://www.epa.gov/environmentaljustice/>.
- U.S. Environmental Protection Agency (USEPA). 2019. *USEPA's Community Involvement Toolkit*. <https://www.epa.gov/superfund/superfund-community-involvement-tools-and-resources>. Accessed June.
- U.S. Census Bureau. 2019a. *2013–2017 American Community Survey 5-year Estimates*. Accessed June 19. https://factfinder.census.gov/faces/nav/jsf/pages/community_facts.xhtml.
- U.S. Census Bureau. 2019b. *Census 2010 Demographic Profile*. Accessed June 19. https://factfinder.census.gov/faces/nav/jsf/pages/community_facts.xhtml.
- Virginia Employment Commission. 2018. *Economic Information & Analytics, Quarterly Census of Employment and Wages, 1st Quarter (January, February, March)*.
- Water and Air Research, Inc. 1983. *Initial Assessment Study, Norfolk Naval Shipyard, Portsmouth, Virginia*. March.

Appendix A

Site Description

Table 2-1. Sites Identified for Management Under CERCLA

Norfolk Naval Shipyard

Portsmouth, Virginia

Site ID	Other AOCs	OU #	Building #	Name / Description	Location	Study Area Location	Active Unit	Justification for CERCLA or Appendix A Inclusion
Site 17		4	195	Outside WAA (sumps & tanks)	Bldg. 195	Bldg. 236 /ER Site 17	Yes	This area was a coal pile for a power plant and is the area around Building 195 plating shop. The area was last used for coal storage in 1966. Bldg 195 is an active RCRA site. RFA recommended verifying integrity of piping. The site was evaluated as part of an RI/FS. ROD signed August 2006. Based on recommendations from the FYR, a groundwater evaluation will be conducted in FY 2020 to determine if PFAS are present in Site 17 groundwater. In addition, although there are no current exposure pathways to groundwater, an evaluation of the groundwater discharge to surface water pathway through an assessment of available groundwater data and refinement of the CSM will be conducted in FY 2020.
Site 3		2 (soil); 7 (groundwater)		High Dump Sanitary Landfill; Paradise Creek Disposal Area	Adjacent to Southgate	Paradise Creek ER Site 3 Area	Yes	Under ER Program, RI/FS conducted. PP for soil finalized, ROD (soil) completed May 2010. Groundwater currently in RI/FS stage as OU7.
Site 3		2 (soil); 7 (groundwater)		Temporary Waste Piles	Paradise Creek Area	Paradise Creek ER Site 3 Area	Yes	Temporary waste piles ABM dirt & concrete, waste removed 1986, area graded and covered with fill from power plant excavation, area covered under IR Program, Site 5. PP for soil finalized. ROD (soil) completed May 2010. Groundwater currently in RI/FS stage as OU7.
Site 3		2 (soil); 7 (groundwater)	431	Old Incinerator	Bldg. 431	Paradise Creek ER Site 3 Area	Yes	Operated 1943-1947, bldg and incinerator have been demolished and removed, RFA recommended NFA. Site is in area of Site 3 ER Program RI/FS (groundwater as OU7).
Site 4		2 (soil); 7 (groundwater)		Chemical Waste Pits	Oil Reclamation Area	Oil Reclamation area of Paradise Creek ER Site 3	Yes	Site is in area of Site 3 ER Program RI/FS Paradise Creek Disposal Area. PP for soil finalized, ROD (soil) completed May 2010. Groundwater currently in RI/FS stage as OU7.
Site 5		2 (soil); 7 (groundwater)		Fillport/Concrete Pad	Oil Reclamation Area	Oil Reclamation area of Paradise Creek ER Site 3	Yes	Site 5 is in area of Site 3 ER Program RI/FS Paradise Creek Disposal Area. PP for soil finalized, ROD (soil) completed May 2010. Groundwater currently in RI/FS stage as OU7.
Site 5		2 (soil); 7 (groundwater)		Waste Oil Storage Pads	Oil Reclamation Area	Oil Reclamation area of Paradise Creek ER Site 3	Yes	Site 5 is in area of Site 3 ER Program RI/FS Paradise Creek Disposal Area. PP for soil finalized, ROD (soil) completed May 2010. Groundwater currently in RI/FS stage as OU7.
Site 5		2 (soil); 7 (groundwater)		Underground Storage Tank	Oil Reclamation Area	Oil Reclamation area of Paradise Creek ER Site 3	Yes	Site 5 is in area of Site 3 ER Program RI/FS Paradise Creek Disposal Area. PP for soil finalized, ROD (soil) completed May 2010. Groundwater currently in RI/FS stage as OU7.
Site 5		2 (soil); 7 (groundwater)		Temporary Storage Pad for Freon	Oil Reclamation Area	Oil Reclamation area of Paradise Creek ER Site 3	Yes	Site 5 is in area of Site 3 ER Program RI/FS, Paradise Creek Disposal Area. PP for soil finalized, ROD (soil) completed May 2010. Groundwater currently in RI/FS stage as OU7.
Site 5		2 (soil); 7 (groundwater)	431	Oil/Water Separator	Oil Reclamation Area	Oil Reclamation area of Paradise Creek ER Site 3	Yes	Site 5 is in area of Site 3 ER Program RI/FS, Paradise Creek Disposal Area. PP for soil finalized, ROD (soil) completed May 2010. Groundwater currently in RI/FS stage as OU7.
Site 5		2 (soil); 7 (groundwater)		Temporary Container Storage Shack	Oil Reclamation Area	Oil Reclamation area of Paradise Creek ER Site 3	Yes	Site 5 is in area of Site 3 ER Program RI/FS, Paradise Creek Disposal Area. PP for soil finalized, ROD (soil) completed May 2010. Groundwater currently in RI/FS stage as OU7.
Site 6		2 (soil); 7 (groundwater)		East Dump	SE of Bldg. 431	Paradise Creek ER Site 3 Area	Yes	Site 6 is in area of Site 3 ER Program RI/FS Paradise Creek Disposal Area. PP for soil finalized, ROD (soil) completed May 2010. Groundwater currently in RI/FS stage as OU7.
Site 7		2		Bermed Chemical Dump Site	Paradise Creek Area	Paradise Creek ER Site 3 Area	Yes	PP for soil finalized, NFA ROD completed May 2010. A groundwater evaluation will be conducted in FY 2020 to determine if PFAS are present in Site 7 groundwater.
Site 10		6		1927 Landfill	Near Bldgs. 260 and 510	1927 Landfill Area	Yes	Review existing data assoc. with RCRA closure of SWMU 2-91& EPIC study; SSP Investigation 2001 concluded additional investigation was warranted. RI/HHRA/FFS finalized May 2006. ROD signed September 2008. Based on recommendations from the FYR, a soil and groundwater evaluation will be conducted in FY 2019 to determine if dioxins and furans are present in Site 10 soil and groundwater at concentrations potentially posing risk to human health. In addition, although there are no current exposure pathways for groundwater, an evaluation of the groundwater discharge to surface water pathway through an assessment of available groundwater data and refinement of the CSM will be conducted in FY 2020.

Table 2-1. Sites Identified for Management Under CERCLA

Norfolk Naval Shipyard

Portsmouth, Virginia

Site ID	Other AOCs	OU #	Building #	Name / Description	Location	Study Area Location	Active Unit	Justification for CERCLA or Appendix A Inclusion
Site 15				Past Pier Side Maintenance Operations	Eastern boundary of NNSY	Piers and wharfs along NNSY waterfront	No	Feb 01 1999 PMT meeting added AOC to the list. Consensus April 01 1999 mtg for further review. Desktop review June 2004, PMT consensus for Appendix A investigation. Final Preliminary Assessment submitted December 2006. PMT consensus for NFA December 2006. Collection of near shore sediment samples was completed in FY 2017 based upon direction from Tier II/III consensus agreement issued November 2012.
Site 1		5		Former New Gosport Landfill	Adjacent to Former New Gosport housing and Paradise Creek	Paradise Creek	No	Site Investigation and waste delineation study in 2000. Removal action in 2001. Project Management Team consensus for NFA June 2004. Site Closeout Document July 2004.
Site 2		1		Scott Center Landfill	South of Scott Center	Scott Center	No	Site Closeout via no further action ROD October 2005.
Site 9		3		Acetylene Waste Lagoon	Southgate Annex	Southgate Annex	No	Former calcium hydroxide area delineated in 1996 and 2001, removal actions and wetlands creation for site restoration conducted in 2003. Site Closeout Document for NFA May 2004.
Site 9		3		Acetylene Waste Lagoon	Southgate Annex	Southgate Annex	No	Former calcium hydroxide area delineated in 1996 and 2001, removal actions and wetlands creation for site restoration conducted in 2003. Site Closeout Document for NFA May 2004.
SWMU 4			174	Soot Hopper	NW of Bldg. 174	Bldg 174	No	Inactive, Soot Hopper and boilers were removed in 1993-1994, RFA noted potential for release if soot is hazardous, staining evident 1987 RFA indicated further research for the site was warranted. June 2004 DEQ and NNSY site visit. Desktop review June 2004 PMT meeting and consensus for NFA based on site history, current site conditions (paved parking), and June 2004 site visit.
SWMU 5			202	Shop 56, Caustic Cleaning Area	SW side of Bldg. 202	Bldg 202	Yes	RFA recommended sampling, Title V Permit, facility re-done, new concrete, excavation removed tanks. Piping in floor drains to IWTP, active site managed under Clean AER, Clean Water, and RCRA. DEQ & NNSY Site visit June 2004 and no sign of release. Desktop review June 2004 PMT meeting and consensus for NFA.
SWMU 6				Operated 1971-1980 storage area	Grass border of Elm Ave	1941 Ldf/ RDF Plant/SPSA	No	Currently concrete sidewalks and asphalt roads, area is former salvage yard, Review SPSA EBS report. Desktop review June 2004 PMT meeting and consensus for NFA based on current site conditions and June 2004 site visit.
SWMU 7	AOC 04			PCB Storage	Southgate Annex Bldg 381	Southgate Annex	No	PCB storage from Annual Inventory of PCBs 7/7/80 (Askeral mineral oil storage for transformers), This building is no longer present, based on employee interviews the site was out of service 1984/1985 and no recollection of spills. All contents removed prior to 1984 demo. PCB inventory reports note "liquid level "N"" indication no PCB oils present. Concrete floor still present, now fenced storage piping, RR ties, tires, batteries. Desktop review June 2004 PMT meeting and consensus for NFA.
SWMU 8	AOC 07			Facility Storm Sewer	Throughout NNSY	NNSY	Yes	Active storm sewers, Managed under Clean Water Act and monitoring by VPDES with monthly discharge reporting to DEQ. Dye testing of storm water system preformed in March 2004. Updated drawings of system in July 2004. No non-compliance reports. Desktop review June 2004 PMT meeting and consensus for NFA.

Table 2-1. Sites Identified for Management Under CERCLA

Norfolk Naval Shipyard

Portsmouth, Virginia

Site ID	Other AOCs	OU #	Building #	Name / Description	Location	Study Area Location	Active Unit	Justification for CERCLA or Appendix A Inclusion
SWMU 9				Industrial Waste Piping System (input to IWTP)	Various locations	NNSY	Yes	Piping from Bldgs. 163, 171, 172, 202, 234, 268 & 510. Piping should be investigated per 5/99 SSA mtg, review controls for leak detection, Investigate waste handling (Aug 99) - waste stream constituents identified, Preventative maintenance requires annual inspection, visual inspection conducted on exposed parts of piping. Pumping station inspected 3 x/day, periodic hydrostatic testing of system, piping is double walled and volumes monitored. Desktop review June 2004. Consensus June 2004 PMT meeting for NFA.
Site 8				1941 Landfill	SW of Bldg. 1545	1941 Ldf/ RDF Plant/SPSA	No	Reviewed EBS report, use existing data, EPA toxicologist review risk, FAR needed in a streamlined RA/FS process. For purpose of SSA no additional investigation needed, (NFA Consensus for SSA). Consensus for NFA April 01 mtg
Site 11				Old Gantry Pickling Tanks	South end of Bldg. 202	Bldg 202	No	Inactive unit` site has been removed, review site report, Refer to Conclusions, Section 3.3 of the Final HW Permit, 3/21/98. RFA recommended NFA, NFA consensus at August 99 SSA Mtg.
Site 12			510	Pickling Tanks Building 510	Building 510		Yes	Currently concrete sidewalks and asphalt roads, area is former salvage yard, Reviewed EBS report, use existing data, consensus NFA
Site 13			369	Pickling Tanks	Bldg. 369	Bldg 369 Area	No	Inactive unit site has been removed, need to obtain site report, RFA recommended NFA, NFA consensus at August 99 SSA Mtg.
Site 14				PCB Spill, Berth 42	West end of Bldg. 369	Bldg 369 Area	No	PCB spill 1979, pavement and soil removed, new asphalt in area, review soil removal documentation, consensus to NFA soils at 5/99 99 SSA Mtg., cross reference with Bldg 369 area where groundwater sampling is proposed, NFA consensus at August 99 SSA Mtg.
Site 16			202	Pickling Tanks Building 202	Building 201		Yes	NFA Consensus April 1999.
Site 18				1914 Landfill	SE of Bldg. 163		No	NFA Consensus April 1999
Site 19				1942-54 Landfill	SPSA Area	SPSA Area South	No	Inactive landfill, extensive excavation during construction of SPSA, , existing wells in area, review EBS report, April 01 PA- ICs in place with property under SPSA consider NFA RODs if LUCAP implemented first., Consensus for NFA April 01 mtg
Site 20			236	Shop 02, WAA	West of Bldg. 236	SSP Bldg. 236 area; Bldg. 236 /ER Site 17	No	Previous < 90 day accumulation point for drums. Inactive unit, area is sandy soil/gravel, in area of bldg 236 where existing data review and additional sampling was conducted as Part of 2001 SSP Investigation of Bldg 236 area. NFA consensus July 2003 based on risk screening and absence of CERCLA release
Site 20			236	Underground Oil Water Separator Tank	SW corner of Bldg. 236	Bldg. 236 /ER Site 17	No	Inactive unit, concrete below ground o/w separator, RFA recommended investigating integrity of oil water separator, research NCAIP for site information. Part of 2001 SSP Investigation of Bldg 236 area, NFA consensus July 2003 based on risk screening and absence of CERCLA release
Site 21			369	Hydraulic Fluid Drums Collection Area	East of Bldg. 369	Bldg 369 Area	No	Inactive drum storage on pallets on paved surface, now a fenced nuclear area, part of bldg 369 area with proposed soil sampling and well installation, MILCON in the area. Part of 2001 SSP Investigation of Bldg. 369 area. NFA consensus July 2003 based on risk screening and absence of CERCLA release
Site 21			369	Drum Holding Area	SE corner of Bldg. 369	Bldg 369 Area	No	Inactive drum storage on pallets on pavement, some drums were noted to be in poor condition in 1987, now a fenced nuclear area, part of bldg 369 area with proposed soil sampling and well installation. Part of 2001 SSP Investigation of Bldg. 369 area. NFA consensus July 2003 based on risk screening and absence of CERCLA release
SWMU 10			166	Old Incinerator	Bldg. 166	Bldg. 184 Area	No	Bldg 166 demo 1951, now concrete/asphalt parking. RFA recommended. researching data on wastes managed. Site is nearby MILCON (AOC3) and Site 10. Included in 2001 SSP investigation of 1927 Landfill . NFA consensus July 2003 based on risk screening and absence of CERCLA release, groundwater will be addressed as part of Site 10
SWMU 11			1460	Salvage Fuel Boiler Plant & the Refuse Transfer Station	Bldg. 1460	Bldg 212 & 1460, W of 1927 Ldf.	Boiler-No/ Refuse-Yes	Site visit 5/99, concrete containment area (former AST) . Site in State Permit process, NFA consensus at Sept 99 SSA Mtg
SWMU 12			202	Shop 56, Freon Recovery Still	Bldg. 202	Bldg 202	Yes	Inactive under RCRA, no RCRA closure, RFA recommended NFA, NFA consensus at August 99 SSA Mtg.

Table 2-1. Sites Identified for Management Under CERCLA

Norfolk Naval Shipyard

Portsmouth, Virginia

Site ID	Other AOCs	OU #	Building #	Name / Description	Location	Study Area Location	Active Unit	Justification for CERCLA or Appendix A Inclusion
SWMU 13			1499	Paint Room/Solvent Recovery Still	Bldg. 1499	Bldg 1499	No	Inactive unit 1995, 1998 site visit, asphalt area, no evidence of release, NFA consensus at Sept 99 SSA Mtg
SWMU 15			1485	IWTP Cyanide Pretreatment Tank	Fac. 1485	IWTP Fac. 1485	No	Active IWTP, operated under Clean Water Act, IWTP in area of Bldg 236 and ER Site 17, Air emissions, NFA consensus at August 99 SSA Mtg.
SWMU 16			1485	IWTP Chromium Pretreatment Tank	Fac. 1485	IWTP Fac. 1485	Yes	Active IWTP, operated under Clean Water Act, IWTP in area of Bldg 236 and ER Site 17, RFA recommended NFA, NFA consensus at August 99 SSA Mtg.
SWMU 17			1485	IWTP Primary Reaction Tank	Fac. 1485	IWTP Fac. 1485	Yes	Active IWTP, operated under Clean Water Act, IWTP in area of Bldg 236 and ER Site 17, RFA recommended NFA, NFA consensus at August 99 SSA Mtg.
SWMU 18			1485	IWTP Primary Clarifier Tank	Fac. 1485	IWTP Fac. 1485	Yes	Active IWTP, operated under Clean Water Act, IWTP in area of Bldg 236 and ER Site 17, RFA recommended NFA, NFA consensus at August 99 SSA Mtg.
SWMU 19			1485	IWTP Primary Clarifier Effluent Sump	Fac. 1485	IWTP Fac. 1485	Yes	Active IWTP, operated under Clean Water Act, IWTP in area of Bldg 236 and ER Site 17, RFA recommended NFA, NFA consensus at August 99 SSA Mtg.
SWMU 20			1485	IWTP Oily Waste Scum Tank	Fac. 1485	IWTP Fac. 1485	Yes	Active IWTP, operated under Clean Water Act, IWTP in area of Bldg 236 and ER Site 17, RFA recommended NFA NFA consensus at August 99 SSA Mtg.
SWMU 21			1485	IWTP Oily Waste Holding Tank	Fac. 1485	IWTP Fac. 1485	Yes	Active IWTP, operated under Clean Water Act, IWTP in area of Bldg 236 and ER Site 17, RFA recommended NFA, NFA consensus at August 99 SSA Mtg.
SWMU 22			1485	IWTP Initial pH Adjustment Tank	Fac. 1485	IWTP Fac. 1485	Yes	Active IWTP, operated under Clean Water Act, IWTP in area of Bldg 236 and ER Site 17, RFA recommended NFA, NFA consensus at August 99 SSA Mtg.
SWMU 23			1485	IWTP Thickener Tank	Fac. 1485	IWTP Fac. 1485	Yes	Active IWTP, operated under Clean Water Act, IWTP in area of Bldg 236 and ER Site 17, RFA recommended NFA, NFA consensus at August 99 SSA Mtg.
SWMU 24			1485	IWTP Final pH Adjustment Tank	Fac. 1485	IWTP Fac. 1485	Yes	Active IWTP, operated under Clean Water Act, IWTP in area of Bldg 236 and ER Site 17, RFA recommended NFA, NFA consensus at August 99 SSA Mtg.
SWMU 25			1485	IWTP Sludge Conditioner Tank	Fac. 1485	IWTP Fac. 1485	Yes	Active IWTP, operated under Clean Water Act, IWTP in area of Bldg 236 and ER Site 17, RFA recommended NFA, NFA consensus at August 99 SSA Mtg.
SWMU 26			1485	IWTP Sludge Drying and Loading Area	Fac. 1485	IWTP Fac. 1485	Yes	Active IWTP, operated under Clean Water Act, IWTP in area of Bldg 236 and ER Site 17, RFA recommended NFA, NFA consensus at August 99 SSA Mtg.
SWMU 27			291	Old Transformer Storage Bldg.	Inside Bldg. 291	Bldg 291	No	Transformers containing PCBs were stored within this building and disposed of through DRMO Inactive unit, concrete floor, RFA recommended NFA, site visit 5/99, NFA consensus at April 99 SSA Mtg.
SWMU 28			79	Old Transformer Storage Building	Bldg. 79	S of Bldg 74	No	NFA consensus at April 99 SSA Mtg.
SWMU 29			1512	RCRA Interim Status Hazardous Waste Drum Storage Shed	Bldg 1512	Bldg. 236 /ER Site 17	No/C	RCRA closure, site inactive, no evidence of release 1998 site visit, within area of Bldg 236 and ER Site 17 which is proposed for study, RFA recommended NFA, NFA consensus at August 99 SSA Mtg.
SWMU 30			260	Drum Accumulation Area/Container Storage Slab	Bldg. 260	1927 Landfill Area	Yes/C	Asphalt drum storage, RCRA closure, cross reference with 1927 landfill, Also discussed in 3/21/98 VDEQ Final Hazardous Waste Permit. NFA consensus at Sept 99 SSA Mtg
SWMU 31			59	Shop 07 (PWC Maintenance), WAA	Inside Bldg. 59		Yes	NFA Consensus April 1999

Table 2-1. Sites Identified for Management Under CERCLA

Norfolk Naval Shipyard

Portsmouth, Virginia

Site ID	Other AOCs	OU #	Building #	Name / Description	Location	Study Area Location	Active Unit	Justification for CERCLA or Appendix A Inclusion
SWMU 32			236	Shop 02, Forklift Shop WAA	West end of Bldg. 236	Bldg. 236 /ER Site 17	No	Exact location in Bldg. 236 unknown, site visit ('87) stained floor, site visit (5/99) no evidence of concern, research/document floor drains, cross reference with storm drains, NFA consensus at Sept 99 SSA Mtg.
SWMU 33			2611	Fuel Tanks Leak/Spill Area	SE of Bldg. 261	Slip 3 / Davis Ave. Area	No	Petroleum spill area, tanks removed, under UST program, SWMU removed as part of water front MILCON, Site visit 5/99 NFA consensus at August 99 SSA Mtg.
SWMU 34			236	Shop 02, Expanded Battery Collection Point	Outside west end of Bldg. 236	Bldg. 236 /ER Site 17	No	site visit (5/99) no evidence of concern, RFA recommended NFA, NFA consensus at April 99 SSA Mtg.
SWMU 35				Sand Blast Residues	Various dock areas	NNSY	Yes	NNSY paved over most of facility, NFA consensus at August 99 SSA Mtg. Obtain documentation of sandblast use and summary of system - shrink wrap activity all water is contained - dry dock maintenance procedures, DEQ MOU
SWMU 36			236	Shop 02, Mobile Crane Shop (Code 900) WAA	Inside west end of Bldg. 236	Bldg. 236 /ER Site 17	Yes	site visit (5/99) no evidence of concern. NFA consensus at April 99 SSA Mtg.
SWMU 37			236	Equipment Steam Cleaning Pads	West of Bldg. 236	Bldg. 236 /ER Site 17	No	Discharge was into O/W separator and then to the sanitary sewer. The pads have been removed and the O/W separator could not be located. Site visit (5/99) no evidence of concern for soil exposure, NFA consensus at Sept 99 SSA Mtg. Also included in 2001 SSP for Bldg. 236 are with NFA consensus
SWMU 38			212	Battery Shop	Bldg. 212	Bldg 212 & 1460, W of 1927 Ldf.	No	Bldg is being demolished, FONSI. NFA consensus at April 99 SSA Mtg.
SWMU 39				Chemical Lab Drum Accumulation Area	West side of Bldg. 184	Bldg. 184 Area	No	5/99 site visit no signs of release, area concrete NFA consensus at April 99 SSA Mtg.
SWMU 40				Main Railcar Area	Near Bldg. 369	Bldg 369 Area	Yes	Active unit, staging area only, no transfer of materials, NFA consensus
SWMU 41				Tanker trailers for Collecting/Handling Industrial Wastes	Throughout NNSY	NSSY	Yes	NFA consensus at April 99 SSA Mtg.
SWMU 42				Concrete Bunker Storage House	Bldg. 1541	1941 Ldf/ RDF Plant/SPSA	No	Previous temporary storage area. Review EBS report, use existing data, cross reference with 1941 Landfill, NFA consensus at Sept SSA mtg
SWMU 43			195	Spill Drum Accumulation Area	Corner of Bldg. 195	Bldg. 236 /ER Site 17	No	This area was inside loading entrance shop 56, Pipe Shop, for accumulating drums. It was a temporary storage area Inactive WAA area bldg 195, vicinity of active RCRA site and ER Site 17, review existing ER 17 data, now concrete floor. NFA consensus at Sept 99 SSA Mtg
SWMU 44			195	Annex Chromic Acid Sump Area	Bldg. 195	Bldg. 236 /ER Site 17	Yes	Side room extension. Active unit bldg 195, vicinity of ER Site 17, review existing ER 17 data, cross reference with SWMU 2-21, NFA consensus at Sept 99 SSA Mtg. SWMU 2-23 is handled under RCRA, surrounding soils are CERCLA
SWMU 45			195	Ventilation Scrubbers	Bldg. 195	Bldg. 236 /ER Site 17	Yes	Located outside. Active unit bldg 195, vicinity of ER Site 17. NFA consensus at Sept 99 SSA Mtg
SWMU 46			195	Electroplating Containment Area	Bldg. 195	Bldg. 236 /ER Site 17	Yes	Main plating shop. Active unit bldg 195, within current RCRA or ER Site 17. NFA consensus at Sept 99 SSA Mtg
SWMU 47				Drum/Railcar/Truck Transfer Operations	NNSY	NNSY	Yes	Active operations, may be in RCRA, RFA addressed surface runoff control for rail cars. Activities addressed in NNSY Process Instructions for railcar transfers, NFA consensus at Sept 99 SSA Mtg
SWMU 48			260	Dumpster Area	West of Bldg. 260	Bldg 260	Yes	Active units, dumpsters solid waste, NFA consensus at April 99 SSA Mtg.
SWMU 49			1499	Indoor Sandblasting Baghouses	Bldg. 1499	Bldg 1499	Yes	Active unit, NFA consensus at Sept 99 SSA Mtg
SWMU 50				Waste Oil Boxes	Throughout NNSY	NNSY	Yes	NFA consensus at April 99 SSA Mtg.

Table 2-1. Sites Identified for Management Under CERCLA

Norfolk Naval Shipyard
Portsmouth, Virginia

Site ID	Other AOCs	OU #	Building #	Name / Description	Location	Study Area Location	Active Unit	Justification for CERCLA or Appendix A Inclusion
SWMU 51			1499	Drum Accumulation Area for Sandblasting Dust	Bldg. 1499	Bldg 1499	No	Inactive under RCRA, no RCRA closure, NFA consensus at June 99 SSA Mtg.
SWMU 52			1499	Outdoor Baghouses	Bldg. 1499	Bldg 1499	No	Inactive unit, NFA consensus at Sept 99 SSA Mtg
SWMU 53			1499	Drum Accumulation Area for Paint Waste	Outside of Bldg. 1499	Bldg 1499	No	Inactive unit, concrete pad, DEQ close-out, NFA consensus at July mtg.
SWMU 54			1499	Steel Dust Vacuum Unit	Bldg. 1499	Bldg 1499	Yes	Active unit, NFA consensus at July mtg. Document how disposal is regulated
SWMU 55			171	Inside Machine Shop (Shop 31)	Bldg. 171	Bldg 171/ Bldg 268/ Bldg 172	Yes	Active unit, NFA consensus at July mtg.
SWMU 56			171	Storage Accumulation Area for Bldg. 171, Inside Machine Shop	Bldg. 171	Bldg 171/ Bldg 268/ Bldg 172	Yes	Active unit RFA recommended. Secondary containment, under RCRA program, NFA consensus at Sept 99 SSA Mtg, Site paved and drums in good condition, verify secondary containment
SWMU 57			268	Outside Machine Shop	West inside end of Bldg. 268	Bldg 171/ Bldg 268/ Bldg 172	No	Inactive area, concrete floor in bldg, 1998 site visit no evidence of release, NFA consensus at July mtg.
SWMU 58			268	Outside Machine Shop Accumulation Area (Shop 38)	SW corner of Bldg. 268	Bldg 171/ Bldg 268/ Bldg 172	No	Inactive under RCRA, no RCRA closure, previous SSA (Satellite Storage Area - <90 day accumulation area for oils and corrosives), 1998 site visit no evidence of release, NFA consensus at Sept 99 SSA Mtg
SWMU 59			369	Woodcraft & Fiberglass Shop, Suction Hopper & Drum Staging Area	Bldg. 369	Bldg 369 Area	No	Previous < 90 day accumulation point for drums. Inactive unit, NFA consensus at July 99 mtg.
SWMU 60				Shop 06, Temp. Drum Accumulation Point	East side of Bldg. 42	N of slip 1	No	NFA consensus at April 99 SSA Mtg.
SWMU 61			369	Drum Accumulation Area (outside)	NW corner of Bldg. 369	Bldg 369 Area	No	Inactive unit, asphalt area, NFA consensus at July 99 mtg.
SWMU 62			300	Drum Storage Area (DSA) Outside of Bldg. 300 Cage	West end of Bldg. 300	Bldg 300	No	Inactive unit, RFA recommended NFA, now asphalt parking area, NFA consensus at July 99 mtg.
SWMU 63			300	Storage Annex	Bldg. 300	Bldg 300	No	Inactive unit, RFA recommended NFA, now asphalt area, NFA consensus at July 99 mtg.
SWMU 64			1485	Industrial Waste Water Treatment Plant Storage Area	Bldg. 1512	Bldg. 236 /ER Site 17	No	Inactive site under RCRA closure, in area of ER Site 17 where existing data will be reviewed, NFA consensus at July 99 mtg.
SWMU 65			172	Foundry Waste Accumulation Areas, Shop 06	West outside end of Bldg 172	Bldg 171/ Bldg 268 /Bldg 172	No	Used as a < 90 day accumulation point for cutting fluids and lubricants Bldg 172 housed former foundry, RFA recommended NFA, concrete floor, 1998 visit staining on concrete, NFA consensus at Sept 99 SSA Mtg
SWMU 66			172	Foundry Baghouse	Bldg. 172	Bldg 171/ Bldg 268/ Bldg 172	No	Foundry was torn down and bag house was removed. Inactive unit, floor is concrete, 1998 site visit no evidence of release, RFA recommended NFA, NFA consensus at July 99 mtg.
SWMU 67			517	Recovered Material DSA	West of Bldg. 517	Bldg. 236 /ER Site 17	No	No longer used for storage. Containment area is covered with a metal storage box. RFA recommended NFA, concrete containment area, site visit 5/99, NFA consensus at July 99 mtg.
SWMU 68			236	Supply Department DSA	West of Bldg. 236	Bldg. 236 /ER Site 17	No	Inactive unit, drums on pallets in 1987, NFA consensus at July 99 mtg.
SWMU 69			234	Shop 17, Sheet Metal Dip Tanks	Bldg. 234	Bldg 234	No/C	open-top tanks for acid cleaning solution, these tanks are no longer active, steel gridwork over concrete floor, inactive, tanks removed, sandblasted floor, RFA recommended NFA, RCRA closure, NFA consensus at August 99 SSA Mtg.
SWMU 70				Trash Dumpsters	Throughout NNSY	NNSY	Yes	NFA consensus at April 99 SSA Mtg.
SWMU 71			174	Shop 03, Cation Exchange Resin Sump	Bldg. 174	Bldg 174	No	Inactive, Bldg. 174 no longer exists, this sump was removed, existing data IT Report 1988 to be reviewed, RFA recommended NFA, NFA consensus at July 99 mtg.

Table 2-1. Sites Identified for Management Under CERCLA

Norfolk Naval Shipyard

Portsmouth, Virginia

Site ID	Other AOCs	OU #	Building #	Name / Description	Location	Study Area Location	Active Unit	Justification for CERCLA or Appendix A Inclusion
SWMU 72			174	Shop 03 Accumulation Area	West of Bldg. 174	Bldg 174	No	Inactive, Bldg. 174 no longer exists, no signs of this area are present. existing data IT Corp. Environmental Investigations Report, Demolition of Old Power Plant, May 1988. to be reviewed, RFA recommended NFA, NFA consensus at July 99 mtg.
SWMU 73			174	Utility Shop Accumulation Point #2	West of Bldg. 174	Bldg 174	No	Inactive, existing data IT Report 1988 to be reviewed, RFA recommended NFA, NFA consensus at July 99 mtg.
SWMU 74			234	Shop 17, Waste Oil Accumulation Point	Between Bldgs. 234 & 163	Bldg 234	No	This was a one time temporary storage point. Inactive area, concrete pad with drums on pallets, exact site could not be located during 1998 site visit, no evidence of release in general area. NFA consensus at August 99 SSA Mtg.
SWMU 75			298	Shop 71, Paint WAA	East of Bldg. 299	Bldg 299 E of 1927 Ldf	Yes	Active unit < 90 day Accumulation Area under RCRA, RFA recommended secondary containment, Bldg 298 aerosol can recovery and paint crusher, NFA consensus at August 99 SSA Mtg.
SWMU 76			163	Shop 11, WAA	East of Bldg. 163	Slip 3 / Davis Ave. Area	No	Inactive under RCRA, no RCRA closure, previous storage area, RFA recommended NFA, 1998 Site Visit, reviewed EPIC and current photos, NFA consensus at August 99 SSA Mtg.
SWMU 77			163	Shop 41, WAA	NW corner of Bldg. 163	Bldg 163/174	No	Previously a < 90 day accumulation point. Inactive unit drums on pallets on asphalt surface, RFA recommended NFA NFA consensus at August 99 SSA Mtg.
SWMU 78			234	Shop 71, Paint Shop Spray Booth	Bldg. 234	Bldg 234	Yes	RFA recommended NFA, NFA consensus at August 99 SSA Mtg.
SWMU 79			369	PCB Contaminated Material Collection Point	East of Bldg. 369	Bldg 369 Area	No	This collection area was near Unit 2-59 and was a one time event for the temporary storage of a transformer. Inactive drum storage on pallets on ground surface, now a fenced nuclear area, part of bldg 369 area with proposed soil sampling and well installation, cross reference with SWMU 2-59, NFA consensus at August 99 SSA Mtg.
SWMU 80			202	Shop 56, WAA	NW side of Bldg. 202	Bldg 202	No	Previous < 90 drum storage area, a conex box is currently in this area. Inactive unit asphalt surface, drums on pallets, RFA recommended NFA, NFA consensus at August 99 SSA Mtg.
SWMU 81			202	Shop 26, Wheelabrator Cleaning Unit	Bldg. 202	Bldg 202	Yes	Inactive under RCRA, no RCRA closure, RFA recommended air sampling, Inside Bldg 202, possible dust release, NNSY Industrial Hygiene Program, NFA consensus at Sept 99 SSA Mtg
SWMU 82			202	Shop 26, Wheelabrator Waste Drum Accumulation Point	Bldg. 202	Bldg 202	Yes	Inactive under RCRA, no RCRA closure, RFA recommended NFA, NFA consensus at August 99 SSA Mtg.
SWMU 83				Shop 64/07, Asbestos Waste Collection Points	Various locations	NSSY	Yes	Active unit , RFA recommended NFA, controlled environmental operations NFA consensus at August 99 SSA Mtg.
SWMU 84			510	Shops 51 & 67, WAA	North of Bldg. 510	1927 Landfill Area	No	Previous < 90 day accumulation point for drums.. Inactive drum storage on pallets on concrete surface, Concrete in good condition 1998 site visit, 3 storm grates in area, RFA recommended NFA, NFA consensus at August 99 SSA Mtg.
SWMU 85			510	Shop 51, Below Ground Effluent Collection Tanks	East side of Bldg. 510	1927 Landfill Area	Yes	Cross reference with Site 10 (RFA-S SWMU# 2-17), RFA recommended NFA, NFA consensus at August 99 SSA Mtg.
SWMU 86			510	Shop 67, Effluent Collection Tank	West side of Bldg. 510	1927 Landfill Area	Yes	Active unit cross reference with Site 10 RFA-S SWMU# 2-17, RFA recommended NFA, NFA consensus at August 99 SSA Mtg.
SWMU 87			510	Shop 67, Drum Collection Area	Between Bldgs. 510 & 297	1927 Landfill Area	No	Inactive drum storage on pallets on asphalt surface, 5/99 site visit no evidence of release, two storm drains in area, one time storage area, within 1927 landfill area which includes bldg 510 and is being investigated as SWMU 2-17, NFA consensus at August 99 SSA Mtg.
SWMU 88			163	Shop 41, Boiler Tubes Cleaning Tanks	Bldg. 163	Bldg 163	Yes	Included in Title V Permit, NFA consensus at Sept 99 SSA Mtg
SWMU 89			236	Shop 02, Parts Washer Units	Bldg. 236	Bldg. 236 /ER Site 17	No	Exact location in Bldg. 236 unknown, site visit (5/99) no evidence of concern. NFA consensus at April 99 SSA Mtg.

Table 2-1. Sites Identified for Management Under CERCLA

Norfolk Naval Shipyard
Portsmouth, Virginia

Site ID	Other AOCs	OU #	Building #	Name / Description	Location	Study Area Location	Active Unit	Justification for CERCLA or Appendix A Inclusion
SWMU 90			60	Shop 51, Sulfuric Acid Waste Collection Sump and Tank	Bldg. 60	Bldg 60	No	Former sump and collection tank for dilute sulfuric acid wastes, concrete area, diked and in good condition 1998 visit, RFA recommended NFA, NFA consensus at August 99 SSA Mtg.
SWMU 91			163	Shop 56, Asbestos Removal Unit	North side of Bldg. 163	Bldg 163/174	No	Metal bldg next to Bldg 163 for removal of asbestos insulation, bldg now gone, RFA recommended NFA, NFA consensus at August 99 SSA Mtg.
SWMU 92			236	Shop 02, Automotive Shop WAA	North side of Bldg. 236	Bldg. 236 /ER Site 17	No	Exact location in Bldg. 236 unknown, site visit (5/99) no evidence of concern. NFA consensus at April 99 SSA Mtg.
SWMU 93			261	Drum Accumulation Area	South of Bldg. 261	Slip 3 / Davis Ave. Area	No/C	Concrete slab for drum storage, RCRA closure, 32 samples collected, no samples from RCRA closure exceed TCLP, NFA consensus at August 99 SSA Mtg.
SWMU 94				Floating Oil Holding Donuts	Various pier areas	Piers	Yes	Used only on contingency basis, if in use it is regulated under VDPES, RFA recommended NFA, Donuts removed, NFA consensus at August 99 SSA Mtg.
SWMU 95			275	Shop 64, WAA	NW of Bldg. 275	Bldg 275	Yes	Active unit under RCRA, RFA recommended secondary containment, NFA consensus at Sept 99 SSA Mtg
SWMU 96				Discarded Drums (near Berth 43)	Near Berth 43	Bldg 369 Area	No	Drums on pallets on asphalt, This area is no longer used as a drum storage area, exact location could not be verified, RFA recommended NFA, cross reference with Bldg 369, Site visit 5/99 NFA consensus at August 99 SSA Mtg.
SWMU 97			236	Shop 02 Construction Equipment Shop WAA	Bldg. 236	Bldg. 236 /ER Site 17	No	Exact location in Bldg. 236 unknown, site visit (5/99) no evidence of concern, research/document floor drains, Used for equipment maintenance on pay-loaders and fork lifts, drums of used oil, anti-freeze, and fuels were collected inside the building. NFA consensus at Sept 99 SSA Mtg.
SWMU 98				Sand Blast Residues Drum Collection Area	North of Wet Slip #2	Slip 2	No	Sand storage bins have been removed. Temporary one time storage area for blast grit, 5/99 site visit, NFA consensus at April 99 SSA Mtg.
SWMU 99				Shipyard Sanitary Sewer System	Various locations	NNSY	Yes	Active sanitary sewer system, system clean out in progress, cross referenced with AOC 7- facility storm sewer, NFA consensus at Sept 99 SSA Mtg
SWMU 100				Oil Spill Area	North side of Pier 3	Slip 3 / Davis Ave. Area	No	Stained soil in 1987, area now paved, Site visit 5/99 NFA consensus at August 99 SSA Mtg.
SWMU 101				Temporary Overflow Storage Area	Southgate Annex	Southgate Annex	No	Cross reference with AOC 2 under RCRA closure, Site visit 5/99, document closure information
SWMU 102	AOC 01			Shop 06 Insecticide Mixing	Bldg 17A, between Bldgs 17 & 39	N of slip 1	No	Insecticide mixed for NNSY application - containers triple rinsed, punctured and disposed. Bldg demolished, area asphalt, storm drain in area, Site visit 5/99, NFA consensus at Aug 99 SSA Mtg.
SWMU 103	AOC 02			Bldg 383 Tanks	Southgate Bldg 383	Southgate Annex	No	4 ASTs at loading dock have been removed under RCRA closure, Site visit 5/99, area now storage of booms, pallets, cylinders, NFA consensus at Aug 99 SSA Mtg.
SWMU 104	AOC 03			Previous Abrasive Blast Recycling Facility	S of Bldg 172	Bldg 1499; SSP 1927 Landfill area	No	MILCON soil samples indicated hydrocarbons in soils and groundwater. Area now asphalt parking. Included in 2001 SSP Investigation of 1927 Landfill area. NFA consensus July 2003 based on risk screening and absence of CERCLA release, groundwater will be addressed as part of Site 10
SWMU 105	AOC 05			Mil Con P-331 Crane Rail	E of Bldgs 163 & 202	Slip 3 / Davis Ave. Area	No	Environmental sampling FY90 MCON Report of Findings, 11/18/88 associated with construction at ER Site 18, Samples show metals TCLP below levels of concern, Construction project to go forward, NFA consensus at Aug 99 SSA Mtg.
SWMU 106	AOC 06			Former Gyro Facility	Next to Chaplain Office Bldg 67	Chapel E of Slip 2 and Bldg 73	No	Mercury from electronics shop, facility has been removed. Exact location uncertain, some grass areas near Chapel, Site visit 5/99, review EPIC photos, no area of concern, NFA consensus at Aug 99 SSA Mtg.
SWMU 107			464	Operated 1963-1980	NE corner of Bldg 464	Bldg 464-424 Area	No	Identified in EPIC study, review photos, no areas of concern noted, NFA consensus at Aug 99 SSA Mtg.
SWMU 108				Operated 1976-1980	Area of Bldg 1515 of SPSA	1941 Ldf/ RDF Plant/SPSA	No	Currently concrete sidewalks and asphalt roads, area is former salvage yard, Review EBS report, use existing data, NFA SSA, cross reference with ER Site 8, NFA Consensus at Sept SSA Mtg
SWMU 109				Operated 1971	Area of Bldg 1521/1545 & 1517/1518 & 1519	1941 Ldf/ RDF Plant/SPSA	No	Currently concrete sidewalks and asphalt roads, area is former salvage yard, Review EBS report, use existing data, NFA SSA, cross reference with ER Site 8, NFA Consensus at Sept SSA Mtg

Table 2-1. Sites Identified for Management Under CERCLA

Norfolk Naval Shipyard
Portsmouth, Virginia

Site ID	Other AOCs	OU #	Building #	Name / Description	Location	Study Area Location	Active Unit	Justification for CERCLA or Appendix A Inclusion
SWMU 110				Operated 1976	Area of Bldg 1517/1519 & along RR track near Bldg 1522/1520	1941 Ldf/ RDF Plant/SPSA	No	Currently concrete sidewalks and asphalt roads, area is former salvage yard, Review EBS report, use existing data, NFA SSA, cross reference with ER Site 8, NFA Consensus at Sept SSA Mtg
SWMU 111				Operated 1971	East side Bldg 1452	Bldg 1452	No	Temporary one time storage event, NFA consensus at Aug 99 SSA Mtg.
SWMU 112				Operated 1971	SW corner Bldg 172 E-SE Stevens St	Bldg 171/ Bldg 268/ Bldg 172	No	Bldg 172 housed former foundry, RFA recommended NFA, Currently asphalt road surface, drums stored for limited- one- time only 1998 visit staining on concrete, cross ref with SWMU 2-44 NFA consensus at Aug 99 SSA Mtg.
SWMU 113				Operated 1985-1986	W-SW corner Bldg 1499	Bldg 1499	No	Inactive under RCRA, no RCRA closure, identified in EPIC Study, Concrete surface in fair condition, NFA consensus at Aug 99 SSA Mtg.
SWMU 114				Operated 1971-1985	W Bldg 152 E of Bldg 1499	Bldg 171/ Bldg 268/ Bldg 172	No	Bldg 172 housed former foundry, RFA recommended NFA, Now concrete parking area, concrete in fair condition 1998 visit staining on concrete cross reference with SWMU 2-45, NFA consensus at Sept SSA Mtg
SWMU 115				Operated 1971-1985	S end Bldg 510	1927 Landfill Area	No	< 90 day storage for shops 51 a & 67, drum storage on S side of bldg 510, area in vicinity of 1927 landfill, cross reference with SWMU 2-66 NFA consensus at Aug 99 SSA Mtg.
SWMU 116				Operated 1985	SW corner Bldg 268	Bldg 171/ Bldg 268/ Bldg 172	No	< 90 day drum storage for oils and corrosive, drum storage on S side of bldg 268, Inactive area, concrete floor in bldg, 1998 site visit no evidence of release, cross reference with SWMU 2- 38 RFA recommended NFA, NFA consensus at Aug 99 SSA Mtg.
SWMU 117				Operated 1980-1982	IWTP	Bldg. 236 /ER Site 17	No	Active IWWT storage, in area of ER Site 17 reviewed existing data and site photos, NFA consensus at Aug 99 SSA Mtg. DSA-L is handled under RCRA, surrounding area is CERCLA
SWMU 118				Operated 1980	S of fuel storage tanks 1250 to 1255	Bldg. 236 /ER Site 17	No	Drum storage south of fuel tanks 1250 to 1255, concrete surface in fair condition, surface staining noted, In area of ER Site 17, reviewed existing data and site photos, NFA consensus at Aug 99 SSA Mtg.
SWMU 119				Operated 1982	SW Bldg 174	Bldg 163/174	No	Surface concrete in fair condition, few drums temporarily stored outside Bldg 174, no evidence of release, reviewed site photos, NFA consensus at Aug 99 SSA Mtg.
SWMU 120				Operated 1982	Adjacent to Bldg 1512 XFER Facility	Bldg. 236 /ER Site 17	No	RCRA closure, site inactive, no evidence of release 1998 site visit, RFA recommended NFA, reviewed site photos, NFA consensus at Aug 99 SSA Mtg.
SWMU 121				Operated 1980	W of Bldg 236	Bldg. 236 /ER Site 17	No	Inactive unit < 90 day accumulation point for drums. Adjacent to SWMU 2-46 area is sandy soil/gravel, site will be addressed with SWMU 2-46, reviewed site photos, NFA consensus at Aug 99 SSA Mtg.
SWMU 122				Operated 1944-1970	S and W of Bldg 212	Bldg 212 & 1460, W of 1927 Ldf.	No	Various open storage areas noted in EPIC study, No visible environmental concerns noted in 1998 site visit, currently asphalt and concrete misc. storm drains, Cross-reference with SWMU 2-27, Reviewed recent site photos, NFA consensus at Aug 99 SSA Mtg.
SWMU 123				Operated 1944-1990	E of Harrington Ave, N Bldg 260, SW of Bldgs 297/510, Farquhar Ave as E boundary, current Bldg 1341	1927 Landfill Area	No	Various open storage areas noted in EPIC study, Cross-reference with RCRA closure at SWMU 2-91, currently asphalt and concrete and acid storage tanks 1341, Reviewed recent site photos, NFA consensus at Aug 99 SSA Mtg.
SWMU 124				Operated 1944-1990	E of Bldg 510 & W of Hitchcock St	1927 Landfill Area	No	Various open storage areas noted in EPIC study, currently asphalt soil and concrete in area of 1927 landfill, Reviewed recent site photos, cross reference with 1927 landfill, NFA consensus at Sept SSA Mtg
SWMU 125				Operated 1944-1970	E of Bldg 298 & W of Dry Dock 8	Area East of Bldg 298	No	Various open storage areas noted in EPIC study, currently asphalt Reviewed recent site photos, NFA consensus at Aug 99 SSA Mtg.
SWMU 126				Operated 1944-1990	N-NW of Dry Dock 8	Area East of Bldg 298	No	Various open storage areas noted in EPIC study, Currently asphalt, Near Dry Dock 8, no environmental concern noted in 1998 site visit, Reviewed recent site photos, NFA consensus at Aug 99 SSA Mtg.

Table 2-1. Sites Identified for Management Under CERCLA

Norfolk Naval Shipyard
Portsmouth, Virginia

Site ID	Other AOCs	OU #	Building #	Name / Description	Location	Study Area Location	Active Unit	Justification for CERCLA or Appendix A Inclusion
SWMU 127				Operated 1944-1980	SE NNSY N of Atlantic Wood Now parking and Bldgs 1513/1523/1554	North of Atlantic Wood	No	Various open storage areas noted in EPIC study, Currently asphalt parking, No environmental concern noted in 1998 site visit, Reviewed recent site photos, NFA consensus at Aug 99 SSA Mtg.
SWMU 128				Operated 1944-1990	N of Bldg 435	Slip 3 / Davis Ave. Area	No	Various open storage areas noted in EPIC study, Currently asphalt parking and roadway and fenced area for tool box storage, Same area of SWMU 2-57 where RFA recommended NFA, Reviewed recent site photos, NFA consensus at Aug 99 SSA Mtg.
SWMU 129				Operated 1944-1985	SW of Dry Dock 4, NE of Bldg 261, current Bldg 1539	Slip 3 / Davis Ave. Area	No	Various open storage areas noted in EPIC study, Currently asphalt roadway and staging area, Utility vaults and storm drains in area, no environmental concerns noted in 1998 site visit, MILCON Dry dock improvements with soil samples collected, Reviewed recent site photos, NFA consensus at Aug 99 SSA Mtg.
SWMU 130				Operated 1944-1990	Adjacent to Bldg 300	Bldg 300	No	Various open storage areas noted in EPIC study, Currently asphalt roadway, Storm drains in area, no environmental concerns noted in 1998 site visit, Cross-reference with SWMU 2-41, Reviewed recent site photos, NFA consensus at Aug 99 SSA Mtg.
SWMU 131				Operated 1944-1990	E of Bldg 1575	S of Slip 1 and Berth 6	No	Various open storage areas noted in EPIC study, Currently asphalt parking, No environmental concerns noted in 1998 site visit, Reviewed recent site photos, NFA consensus at Aug 99 SSA Mtg.
SWMU 132				Operated 1952-1982	SW of Pier 5 (Berths 38/39), current Bldgs 271/1301/1527/544/502	Area East of Bldg 298	No	Various open storage areas noted in EPIC study, Currently asphalt parking and roadway, No environmental concerns noted in 1998 site visit, Reviewed recent site photos, NFA consensus at Aug 99 SSA Mtg.
SWMU 133				Operated 1982-1990	Between Dry Dock 4 and Pier 3, S-SE of Bldg 261, current Bldgs 247/1263/193/45	Slip 3 / Davis Ave. Area	No	Various open storage areas noted in EPIC study, Currently asphalt and soil, now storage of trailers, concrete debris, and satellite accumulation area, No environmental concerns noted in 1998 site visit, Cross-reference with SWMU 2-87 & 10A RCRA Closure. Reviewed recent site photos, NFA consensus at Aug 99 SSA Mtg.
SWMU 134				Operated 1982-1990	S of Bldg 260	Bldg 212 & 1460, W of 1927 Ldf.	No	Open storage noted in EPIC study, Currently worn and cracked concrete, 1998 visit noted rail cars containing bilge water and sodium nitrate. Reviewed recent site photos, NFA consensus at Aug 99 SSA Mtg.
SWMU 135				Operated 1990	NE of Dry Dock 1, S-SW of Bldg 62	N of Dry Dock 1	No	Open storage noted in EPIC study, Currently asphalt, 1998 visit noted concrete and brick debris, No environmental concerns identified in 1998 site visit, Reviewed recent site photos, NFA consensus at Aug 99 SSA Mtg.
SWMU 136				Operated 1990	Between Dry Dock 4 and Dry Dock 3	N of Dry Dock 4	No	Open storage noted in EPIC study, Currently concrete, asphalt, and cinders. 1998 visit noted cylinders, tankers of sodium nitrate and misc. storage, No environmental concerns identified in 1998 site visit, Reviewed recent site photos, NFA consensus at Aug 99 SSA Mtg.
SWMU 137				Operated 1937-1961	Bldg 369	Bldg 369 Area	No	Various storage areas around bldg 369 identified in EPIC Study, Cross reference with SWMUs 2-2A, 2-39, 2-40, 2-59, 2-60, In area of Bldg 369, NFA consensus at Aug 99 SSA Mtg.
SWMU 138				Operated 1963-1990	SW dry dock 8 and W Bldg 369	Bldg 369 Area	No	Various storage areas around bldg 369, Currently asphalt parking, cross-reference with SWMU 2-40, NFA consensus at Aug 99 SSA Mtg.
SWMU 139				Operated 1963-1970	S of Bldg 369	Bldg 369 Area	No	storage area around bldg 369, Currently asphalt parking, items stored as noted in EPIC study should not have impacted the site, NFA consensus at Aug 99 SSA Mtg.
SWMU 14			1485	IWTP Tanker Dumping Station	Fac. 1485	IWTP Fac. 1485	Yes	Active IWTP, operated under Clean Water Act, IWTP in area of Bldg 236 and ER Site 17, RFA recommended NFA, NFA consensus at August 99 SSA Mtg.
SWMU 140				Operated 1937-1961	E of Bldg 369 to end of berth 43	Bldg 369 Area	No	Various storage areas near Berth 43 in vicinity of bldg 369. In MILCON area near bldg 369, Currently asphalt surface, RR tracks traverse the area, Cross-reference with SWMUs 2-59, 2-60, & 2-86, NFA consensus at Aug 99 SSA Mtg.

Table 2-1. Sites Identified for Management Under CERCLA

Norfolk Naval Shipyard
Portsmouth, Virginia

Site ID	Other AOCs	OU #	Building #	Name / Description	Location	Study Area Location	Active Unit	Justification for CERCLA or Appendix A Inclusion
SWMU 141				Operated 1944-1990	W of Bldg 280 where Bldg 1567 is now	Bldg 1567	No	Various open storage areas noted in EPIC study, Currently active storage area of items that do not represent environmental concern, Reviewed recent site photos NFA consensus at Aug 99 SSA Mtg.
SWMU 142				Operated 1949-1990	N of Bldg 463/464/424, S of Beauty St W to Black Lane	Bldg 464-424 Area	No	Various open storage areas noted in EPIC study, currently asphalt for parking, Cross-reference with DSA-A, Reviewed recent site photos, NFA consensus at Aug 99 SSA Mtg.
SWMU 143				Operated 1949-1976	NE of Bldg 1499 bordered by Green St/Old Williams Ave on W, Pennock St N-NW, Stevens St on SE	Bldg 1499	No	Various open storage areas noted in EPIC, No visible environmental concerns noted in 1998 site visit, currently asphalt for parking, existing RR tracks paved over, misc. storm drains, Reviewed recent site photos, NFA consensus at Aug 99 SSA Mtg.
SWMU 144				1937 Impoundment	SW of Bldg 510 open area N of Hitchcock St		No	Identified in EPIC Study, Area filled in, NFA consensus at Aug 99 SSA Mtg.
SWMU 145				Impoundment	Berths 42/43		No	Site no longer exists, Berths 42/43 possibly Eliz River from dredging for dry dock & Bldg 369, NFA consensus at Aug 99 SSA Mtg.

ABM - Abrasive Blast Material

AOC - Area of Concern

CERCLA - Comprehensive Environmental Response Compensation and Liability Act

DSA - Drum Storage Area

EPIC - Environmental Photographic Interpretation Center

ER - Environmental Restoration

FFA - Federal Facility Agreement

IAS - Initial Assessment Study

IWTP - Industrial Waste Water Treatment Plant

MILCON - Military Construction Project

NFA - No further action

OSA - Outside Storage Area

RFA - RCRA Facility Assessment and RFA-S Supplemental RCRA Facility Assessment

SSA - Site Screening Assessment

SWMU - Solid Waste Management Unit

UST - Underground Storage Tank

WAA - Waste Accumulation Area

Appendix A Site Screening Areas Under Site Screening Process

Appendix B Preliminary Screening Areas

Appendix C No Further Action Sites

Blue shading indicates additional sampling/investigation is currently planned.

Table 2-2. Sites Not Selected for Further Investigation Under CERCLA

Norfolk Naval Shipyard
Portsmouth, Virginia

Site ID	Other AOCs	OU #	Building #	Name / Description	Location	Study Area Location	Active Unit	Justification for CERCLA Exclusion
SWMU 4			174	Soot Hopper	NW of Bldg. 174	Bldg 174	No	Inactive, Soot Hopper and boilers were removed in 1993-1994, RFA noted potential for release if soot is hazardous, staining evident 1987 RFA indicated further research for the site was warranted. June 2004 DEQ and NNSY site visit. Desktop review June 2004 PMT meeting and consensus for NFA based on site history, current site conditions (paved parking), and June 2004 site visit.
SWMU 5			202	Shop 56, Caustic Cleaning Area	SW side of Bldg. 202	Bldg 202	Yes	RFA recommended sampling, Title V Permit, facility re-done, new concrete, excavation removed tanks. Piping in floor drains to IWTP, active site managed under Clean AER, Clean Water, and RCRA. DEQ & NNSY Site visit June 2004 and no sign of release. Desktop review June 2004 PMT meeting and consensus for NFA.
SWMU 6				Operated 1971-1980 storage area	Grass border of Elm Ave	1941 Ldf/ RDF Plant/SPSA	No	Currently concrete sidewalks and asphalt roads, area is former salvage yard, Review SPSA EBS report. Desktop review June 2004 PMT meeting and consensus for NFA based on current site conditions and June 2004 site visit.
SWMU 7	AOC 04			PCB Storage	Southgate Annex Bldg 381	Southgate Annex	No	PCB storage from Annual Inventory of PCBs 7/7/80 (Askeral mineral oil storage for transformers), This building is no longer present, based on employee interviews the site was out of service 1984/1985 and no recollection of spills. All contents removed prior to 1984 demo. PCB inventory reports note "liquid level "N"" indication no PCB oils present. Concrete floor still present, now fenced storage piping, RR ties, tires, batteries. Desktop review June 2004 PMT meeting and consensus for NFA.
SWMU 8	AOC 07			Facility Storm Sewer	Throughout NNSY	NNSY	Yes	Active storm sewers, Managed under Clean Water Act and monitoring by VPDES with monthly discharge reporting to DEQ. Dye testing of storm water system performed in March 2004. Updated drawings of system in July 2004. No non-compliance reports. Desktop review June 2004 PMT meeting and consensus for NFA.
SWMU 9				Industrial Waste Piping System (input to IWTP)	Various locations	NNSY	Yes	Piping from Bldgs. 163, 171, 172, 202, 234, 268 & 510. Piping should be investigated per 5/99 SSA mtg, review controls for leak detection, Investigate waste handling (Aug 99) - waste stream constituents identified, Preventative maintenance requires annual inspection, visual inspection conducted on exposed parts of piping. Pumping station inspected 3 x/day, periodic hydrostatic testing of system, piping is double walled and volumes monitored. Desktop review June 2004. Consensus June 2004 PMT meeting for NFA.
Site 8				1941 Landfill	SW of Bldg. 1545	1941 Ldf/ RDF Plant/SPSA	No	Reviewed EBS report, use existing data, EPA toxicologist review risk, FAR needed in a streamlined RA/FS process. For purpose of SSA no additional investigation needed, (NFA Consensus for SSA). Consensus for NFA April 01 mtg
Site 11				Old Gantry Pickling Tanks	South end of Bldg. 202	Bldg 202	No	Inactive unit' site has been removed, review site report, Refer to Conclusions, Section 3.3 of the Final HW Permit, 3/21/98. RFA recommended NFA, NFA consensus at August 99 SSA Mtg.
Site 12			510	Pickling Tanks Building 510	Building 510		Yes	Currently concrete sidewalks and asphalt roads, area is former salvage yard, Reviewed EBS report, use existing data, consensus NFA
Site 13			369	Pickling Tanks	Bldg. 369	Bldg 369 Area	No	Inactive unit site has been removed, need to obtain site report, RFA recommended NFA, NFA consensus at August 99 SSA Mtg.
Site 14				PCB Spill, Berth 42	West end of Bldg. 369	Bldg 369 Area	No	PCB spill 1979, pavement and soil removed, new asphalt in area, review soil removal documentation, consensus to NFA soils at 5/99 99 SSA Mtg., cross reference with Bldg 369 area where groundwater sampling is proposed, NFA consensus at August 99 SSA Mtg.
Site 16			202	Pickling Tanks Building 202	Building 201		Yes	NFA Consensus April 1999.
Site 18				1914 Landfill	SE of Bldg. 163		No	NFA Consensus April 1999
Site 19				1942-54 Landfill	SPSA Area	SPSA Area South	No	Inactive landfill, extensive excavation during construction of SPSA, , existing wells in area, review EBS report, April 01 PA- ICs in place with property under SPSA consider NFA RODs if LUCAP implemented first,. Consensus for NFA April 01 mtg

Table 2-2. Sites Not Selected for Further Investigation Under CERCLA

Norfolk Naval Shipyard
Portsmouth, Virginia

Site ID	Other AOCs	OU #	Building #	Name / Description	Location	Study Area Location	Active Unit	Justification for CERCLA Exclusion
Site 20			236	Shop 02, WAA	West of Bldg. 236	SSP Bldg. 236 area; Bldg. 236 /ER Site 17	No	Previous < 90 day accumulation point for drums. Inactive unit, area is sandy soil/gravel, in area of bldg 236 where existing data review and additional sampling was conducted as Part of 2001 SSP Investigation of Bldg 236 area. NFA consensus July 2003 based on risk screening and absence of CERCLA release
Site 20			236	Underground Oil Water Separator Tank	SW corner of Bldg. 236	Bldg. 236 /ER Site 17	No	Inactive unit, concrete below ground o/w separator, RFA recommended investigating integrity of oil water separator, research NCAP for site information. Part of 2001 SSP Investigation of Bldg 236 area, NFA consensus July 2003 based on risk screening and absence of CERCLA release
Site 21			369	Hydraulic Fluid Drums Collection Area	East of Bldg. 369	Bldg 369 Area	No	Inactive drum storage on pallets on paved surface, now a fenced nuclear area, part of bldg 369 area with proposed soil sampling and well installation, MILCON in the area. Part of 2001 SSP Investigation of Bldg. 369 area. NFA consensus July 2003 based on risk screening and absence of CERCLA release
Site 21			369	Drum Holding Area	SE corner of Bldg. 369	Bldg 369 Area	No	Inactive drum storage on pallets on pavement, some drums were noted to be in poor condition in 1987, now a fenced nuclear area, part of bldg 369 area with proposed soil sampling and well installation. Part of 2001 SSP Investigation of Bldg. 369 area. NFA consensus July 2003 based on risk screening and absence of CERCLA release
SWMU 10			166	Old Incinerator	Bldg. 166	Bldg. 184 Area	No	Bldg 166 demo 1951, now concrete/asphalt parking. RFA recommended. researching data on wastes managed. Site is nearby MILCON (AOC3) and Site 10. Included in 2001 SSP investigation of 1927 Landfill. NFA consensus July 2003 based on risk screening and absence of CERCLA release, groundwater will be addressed as part of Site 10
SWMU 11			1460	Salvage Fuel Boiler Plant & the Refuse Transfer Station	Bldg. 1460	Bldg 212 & 1460, W of 1927 Ldf.	Boiler-No/ Refuse-Yes	Site visit 5/99, concrete containment area (former AST) . Site in State Permit process, NFA consensus at Sept 99 SSA Mtg
SWMU 12			202	Shop 56, Freon Recovery Still	Bldg. 202	Bldg 202	Yes	Inactive under RCRA, no RCRA closure, RFA recommended NFA, NFA consensus at August 99 SSA Mtg.
SWMU 13			1499	Paint Room/Solvent Recovery Still	Bldg. 1499	Bldg 1499	No	Inactive unit 1995, 1998 site visit, asphalt area, no evidence of release, NFA consensus at Sept 99 SSA Mtg
SWMU 15			1485	IWTP Cyanide Pretreatment Tank	Fac. 1485	IWTP Fac. 1485	No	Active IWTP, operated under Clean Water Act, IWTP in area of Bldg 236 and ER Site 17, Air emissions, NFA consensus at August 99 SSA Mtg.
SWMU 16			1485	IWTP Chromium Pretreatment Tank	Fac. 1485	IWTP Fac. 1485	Yes	Active IWTP, operated under Clean Water Act, IWTP in area of Bldg 236 and ER Site 17, RFA recommended NFA, NFA consensus at August 99 SSA Mtg.
SWMU 17			1485	IWTP Primary Reaction Tank	Fac. 1485	IWTP Fac. 1485	Yes	Active IWTP, operated under Clean Water Act, IWTP in area of Bldg 236 and ER Site 17, RFA recommended NFA, NFA consensus at August 99 SSA Mtg.
SWMU 18			1485	IWTP Primary Clarifier Tank	Fac. 1485	IWTP Fac. 1485	Yes	Active IWTP, operated under Clean Water Act, IWTP in area of Bldg 236 and ER Site 17, RFA recommended NFA, NFA consensus at August 99 SSA Mtg.
SWMU 19			1485	IWTP Primary Clarifier Effluent Sump	Fac. 1485	IWTP Fac. 1485	Yes	Active IWTP, operated under Clean Water Act, IWTP in area of Bldg 236 and ER Site 17, RFA recommended NFA, NFA consensus at August 99 SSA Mtg.
SWMU 20			1485	IWTP Oily Waste Scum Tank	Fac. 1485	IWTP Fac. 1485	Yes	Active IWTP, operated under Clean Water Act, IWTP in area of Bldg 236 and ER Site 17, RFA recommended NFA NFA consensus at August 99 SSA Mtg.
SWMU 21			1485	IWTP Oily Waste Holding Tank	Fac. 1485	IWTP Fac. 1485	Yes	Active IWTP, operated under Clean Water Act, IWTP in area of Bldg 236 and ER Site 17, RFA recommended NFA, NFA consensus at August 99 SSA Mtg.
SWMU 22			1485	IWTP Initial pH Adjustment Tank	Fac. 1485	IWTP Fac. 1485	Yes	Active IWTP, operated under Clean Water Act, IWTP in area of Bldg 236 and ER Site 17, RFA recommended NFA, NFA consensus at August 99 SSA Mtg.
SWMU 23			1485	IWTP Thickener Tank	Fac. 1485	IWTP Fac. 1485	Yes	Active IWTP, operated under Clean Water Act, IWTP in area of Bldg 236 and ER Site 17, RFA recommended NFA, NFA consensus at August 99 SSA Mtg.
SWMU 24			1485	IWTP Final pH Adjustment Tank	Fac. 1485	IWTP Fac. 1485	Yes	Active IWTP, operated under Clean Water Act, IWTP in area of Bldg 236 and ER Site 17, RFA recommended NFA, NFA consensus at August 99 SSA Mtg.
SWMU 25			1485	IWTP Sludge Conditioner Tank	Fac. 1485	IWTP Fac. 1485	Yes	Active IWTP, operated under Clean Water Act, IWTP in area of Bldg 236 and ER Site 17, RFA recommended NFA, NFA consensus at August 99 SSA Mtg.
SWMU 26			1485	IWTP Sludge Drying and Loading Area	Fac. 1485	IWTP Fac. 1485	Yes	Active IWTP, operated under Clean Water Act, IWTP in area of Bldg 236 and ER Site 17, RFA recommended NFA, NFA consensus at August 99 SSA Mtg.

Table 2-2. Sites Not Selected for Further Investigation Under CERCLA

Norfolk Naval Shipyard
Portsmouth, Virginia

Site ID	Other AOCs	OU #	Building #	Name / Description	Location	Study Area Location	Active Unit	Justification for CERCLA Exclusion
SWMU 27			291	Old Transformer Storage Bldg.	Inside Bldg. 291	Bldg 291	No	Transformers containing PCBs were stored within this building and disposed of through DRMO Inactive unit, concrete floor, RFA recommended NFA, site visit 5/99, NFA consensus at April 99 SSA Mtg.
SWMU 28			79	Old Transformer Storage Building	Bldg. 79	S of Bldg 74	No	NFA consensus at April 99 SSA Mtg.
SWMU 29			1512	RCRA Interim Status Hazardous Waste Drum Storage Shed	Bldg 1512	Bldg. 236 /ER Site 17	No/C	RCRA closure, site inactive, no evidence of release 1998 site visit, within area of Bldg 236 and ER Site 17 which is proposed for study, RFA recommended NFA, NFA consensus at August 99 SSA Mtg.
SWMU 30			260	Drum Accumulation Area/Container Storage Slab	Bldg. 260	1927 Landfill Area	Yes/C	Asphalt drum storage, RCRA closure, cross reference with 1927 landfill , Also discussed in 3/21/98 VDEQ Final Hazardous Waste Permit. NFA consensus at Sept 99 SSA Mtg
SWMU 31			59	Shop 07 (PWC Maintenance), WAA	Inside Bldg. 59		Yes	NFA Consensus April 1999
SWMU 32			236	Shop 02, Forklift Shop WAA	West end of Bldg. 236	Bldg. 236 /ER Site 17	No	Exact location in Bldg. 236 unknown, site visit ('87) stained floor, site visit (5/99) no evidence of concern, research/document floor drains, cross reference with storm drains, NFA consensus at Sept 99 SSA Mtg.
SWMU 33			2611	Fuel Tanks Leak/Spill Area	SE of Bldg. 261	Slip 3 / Davis Ave. Area	No	Petroleum spill area, tanks removed, under UST program, SWMU removed as part of water front MILCON, Site visit 5/99 NFA consensus at August 99 SSA Mtg.
SWMU 34			236	Shop 02, Expended Battery Collection Point	Outside west end of Bldg. 236	Bldg. 236 /ER Site 17	No	site visit (5/99) no evidence of concern, RFA recommended NFA, NFA consensus at April 99 SSA Mtg.
SWMU 35				Sand Blast Residues	Various dock areas	NNSY	Yes	NNSY paved over most of facility, NFA consensus at August 99 SSA Mtg. Obtain documentation of sandblast use and summary of system - shrink wrap activity all water is contained - dry dock maintenance procedures, DEQ MOU
SWMU 36			236	Shop 02, Mobile Crane Shop (Code 900) WAA	Inside west end of Bldg. 236	Bldg. 236 /ER Site 17	Yes	site visit (5/99) no evidence of concern. NFA consensus at April 99 SSA Mtg.
SWMU 37			236	Equipment Steam Cleaning Pads	West of Bldg. 236	Bldg. 236 /ER Site 17	No	Discharge was into O/W separator and then to the sanitary sewer. The pads have been removed and the O/W separator could not be located. Site visit (5/99) no evidence of concern for soil exposure, NFA consensus at Sept 99 SSA Mtg. Also included in 2001 SSP for Bldg. 236 are with NFA consensus
SWMU 38			212	Battery Shop	Bldg. 212	Bldg 212 & 1460, W of 1927 Ldf.	No	Bldg is being demolished, FONSI. NFA consensus at April 99 SSA Mtg.
SWMU 39				Chemical Lab Drum Accumulation Area	West side of Bldg. 184	Bldg. 184 Area	No	5/99 site visit no signs of release, area concrete NFA consensus at April 99 SSA Mtg.
SWMU 40				Main Railcar Area	Near Bldg. 369	Bldg 369 Area	Yes	Active unit, staging area only, no transfer of materials, NFA consensus
SWMU 41				Tanker trailers for Collecting/Handling Industrial Wastes	Throughout NNSY	NSSY	Yes	NFA consensus at April 99 SSA Mtg.
SWMU 42				Concrete Bunker Storage House	Bldg. 1541	1941 Ldf/ RDF Plant/SPSA	No	Previous temporary storage area. Review EBS report, use existing data, cross reference with 1941 Landfill, NFA consensus at Sept SSA mtg
SWMU 43			195	Spill Drum Accumulation Area	Corner of Bldg. 195	Bldg. 236 /ER Site 17	No	This area was inside loading entrance shop 56, Pipe Shop, for accumulating drums. It was a temporary storage area Inactive WAA area bldg 195, vicinity of active RCRA site and ER Site 17, review existing ER 17 data, now concrete floor. NFA consensus at Sept 99 SSA Mtg
SWMU 44			195	Annex Chromic Acid Sump Area	Bldg. 195	Bldg. 236 /ER Site 17	Yes	Side room extension. Active unit bldg 195, vicinity of ER Site 17, review existing ER 17 data, cross reference with SWMU 2-21, NFA consensus at Sept 99 SSA Mtg. SWMU 2-23 is handled under RCRA, surrounding soils are CERCLA
SWMU 45			195	Ventilation Scrubbers	Bldg. 195	Bldg. 236 /ER Site 17	Yes	Located outside. Active unit bldg 195, vicinity of ER Site 17. NFA consensus at Sept 99 SSA Mtg
SWMU 46			195	Electroplating Containment Area	Bldg. 195	Bldg. 236 /ER Site 17	Yes	Main plating shop. Active unit bldg 195, within current RCRA or ER Site 17. NFA consensus at Sept 99 SSA Mtg

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Norfolk Naval Shipyard
Portsmouth, Virginia

Site ID	Other AOCs	OU #	Building #	Name / Description	Location	Study Area Location	Active Unit	Justification for CERCLA Exclusion
SWMU 47				Drum/Railcar/Truck Transfer Operations	NNSY	NNSY	Yes	Active operations, may be in RCRA, RFA addressed surface runoff control for rail cars. Activities addressed in NNSY Process Instructions for railcar transfers, NFA consensus at Sept 99 SSA Mtg
SWMU 48			260	Dumpster Area	West of Bldg. 260	Bldg 260	Yes	Active units, dumpsters solid waste, NFA consensus at April 99 SSA Mtg.
SWMU 49			1499	Indoor Sandblasting Baghouses	Bldg. 1499	Bldg 1499	Yes	Active unit, NFA consensus at Sept 99 SSA Mtg
SWMU 50				Waste Oil Boxes	Throughout NNSY	NNSY	Yes	NFA consensus at April 99 SSA Mtg.
SWMU 51			1499	Drum Accumulation Area for Sandblasting Dust	Bldg. 1499	Bldg 1499	No	Inactive under RCRA, no RCRA closure, NFA consensus at June 99 SSA Mtg.
SWMU 52			1499	Outdoor Baghouses	Bldg. 1499	Bldg 1499	No	Inactive unit, NFA consensus at Sept 99 SSA Mtg
SWMU 53			1499	Drum Accumulation Area for Paint Waste	Outside of Bldg. 1499	Bldg 1499	No	Inactive unit, concrete pad, DEQ close-out, NFA consensus at July 1999 mtg.
SWMU 54			1499	Steel Dust Vacuum Unit	Bldg. 1499	Bldg 1499	Yes	Active unit, NFA consensus at August 1999 mtg. Document how disposal is regulated
SWMU 55			171	Inside Machine Shop (Shop 31)	Bldg. 171	Bldg 171/ Bldg 268/ Bldg 172	Yes	Active unit, NFA consensus at July mtg.
SWMU 56			171	Storage Accumulation Area for Bldg. 171, Inside Machine Shop	Bldg. 171	Bldg 171/ Bldg 268/ Bldg 172	Yes	Active unit RFA recommended. Secondary containment, under RCRA program, NFA consensus at Sept 99 SSA Mtg, Site paved and drums in good condition, verify secondary containment
SWMU 57			268	Outside Machine Shop	West inside end of Bldg. 268	Bldg 171/ Bldg 268/ Bldg 172	No	Inactive area, concrete floor in bldg, 1998 site visit no evidence of release, NFA consensus at August 1999 mtg.
SWMU 58			268	Outside Machine Shop Accumulation Area (Shop 38)	SW corner of Bldg. 268	Bldg 171/ Bldg 268/ Bldg 172	No	Inactive under RCRA, no RCRA closure, previous SSA (Satellite Storage Area - <90 day accumulation area for oils and corrosives), 1998 site visit no evidence of release, NFA consensus at Sept 99 SSA Mtg
SWMU 59			369	Woodcraft & Fiberglass Shop, Suction Hopper & Drum Staging Area	Bldg. 369	Bldg 369 Area	No	Previous < 90 day accumulation point for drums. Inactive unit, NFA consensus at July 99 mtg.
SWMU 60				Shop 06, Temp. Drum Accumulation Point	East side of Bldg. 42	N of slip 1	No	NFA consensus at April 99 SSA Mtg.
SWMU 61			369	Drum Accumulation Area (outside)	NW corner of Bldg. 369	Bldg 369 Area	No	Inactive unit, asphalt area, NFA consensus at July 99 mtg.
SWMU 62			300	Drum Storage Area (DSA) Outside of Bldg. 300 Cage	West end of Bldg. 300	Bldg 300	No	Inactive unit, RFA recommended NFA, now asphalt parking area, NFA consensus at July 99 mtg.
SWMU 63			300	Storage Annex	Bldg. 300	Bldg 300	No	Inactive unit, RFA recommended NFA, now asphalt area, NFA consensus at July 99 mtg.
SWMU 64			1485	Industrial Waste Water Treatment Plant Storage Area	Bldg. 1512	Bldg. 236 /ER Site 17	No	Inactive site under RCRA closure, in area of ER Site 17 where existing data will be reviewed, NFA consensus at July 99 mtg.
SWMU 65			172	Foundry Waste Accumulation Areas, Shop 06	West outside end of Bldg 172	Bldg 171/ Bldg 268 /Bldg 172	No	Used as a < 90 day accumulation point for cutting fluids and lubricants Bldg 172 housed former foundry, RFA recommended NFA, concrete floor, 1998 visit staining on concrete, NFA consensus at Sept 99 SSA Mtg
SWMU 66			172	Foundry Baghouse	Bldg. 172	Bldg 171/ Bldg 268/ Bldg 172	No	Foundry was torn down and bag house was removed. Inactive unit, floor is concrete, 1998 site visit no evidence of release, RFA recommended NFA, NFA consensus at July 99 mtg.

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Site ID	Other AOCs	OU #	Building #	Name / Description	Location	Study Area Location	Active Unit	Justification for CERCLA Exclusion
SWMU 67			517	Recovered Material DSA	West of Bldg. 517	Bldg. 236 /ER Site 17	No	No longer used for storage. Containment area is covered with a metal storage box. RFA recommended NFA, concrete containment area, site visit 5/99, NFA consensus at July 99 mtg.
SWMU 68			236	Supply Department DSA	West of Bldg. 236	Bldg. 236 /ER Site 17	No	Inactive unit, drums on pallets in 1987, NFA consensus at July 99 mtg.
SWMU 69			234	Shop 17, Sheet Metal Dip Tanks	Bldg. 234	Bldg 234	No/C	open-top tanks for acid cleaning solution, these tanks are no longer active, steel gridwork over concrete floor, inactive, tanks removed, sandblasted floor, RFA recommended NFA, RCRA closure, NFA consensus at August 99 SSA Mtg.
SWMU 70				Trash Dumpsters	Throughout NNSY	NNSY	Yes	NFA consensus at April 99 SSA Mtg.
SWMU 71			174	Shop 03, Cation Exchange Resin Sump	Bldg. 174	Bldg 174	No	Inactive, Bldg. 174 no longer exists, this sump was removed, existing data IT Report 1988 to be reviewed, RFA recommended NFA, NFA consensus at July 99 mtg.
SWMU 72			174	Shop 03 Accumulation Area	West of Bldg. 174	Bldg 174	No	Inactive, Bldg. 174 no longer exists, no signs of this area are present. existing data IT Corp. Environmental Investigations Report, Demolition of Old Power Plant, May 1988. to be reviewed, RFA recommended NFA, NFA consensus at July 99 mtg.
SWMU 73			174	Utility Shop Accumulation Point #2	West of Bldg. 174	Bldg 174	No	Inactive, existing data IT Report 1988 to be reviewed, RFA recommended NFA, NFA consensus at July 99 mtg.
SWMU 74			234	Shop 17, Waste Oil Accumulation Point	Between Bldgs. 234 & 163	Bldg 234	No	This was a one time temporary storage point. Inactive area, concrete pad with drums on pallets, exact site could not be located during 1998 site visit, no evidence of release in general area. NFA consensus at August 99 SSA Mtg.
SWMU 75			298	Shop 71, Paint WAA	East of Bldg. 299	Bldg 299 E of 1927 Ldf	Yes	Active unit < 90 day Accumulation Area under RCRA, RFA recommended secondary containment, Bldg 298 aerosol can recovery and paint crusher, NFA consensus at August 99 SSA Mtg.
SWMU 76			163	Shop 11, WAA	East of Bldg. 163	Slip 3 / Davis Ave. Area	No	Inactive under RCRA, no RCRA closure, previous storage area, RFA recommended NFA, 1998 Site Visit, reviewed EPIC and current photos, NFA consensus at August 99 SSA Mtg.
SWMU 77			163	Shop 41, WAA	NW corner of Bldg. 163	Bldg 163/174	No	Previously a < 90 day accumulation point. Inactive unit drums on pallets on asphalt surface, RFA recommended NFA NFA consensus at August 99 SSA Mtg.
SWMU 78			234	Shop 71, Paint Shop Spray Booth	Bldg. 234	Bldg 234	Yes	RFA recommended NFA, NFA consensus at August 99 SSA Mtg.
SWMU 79			369	PCB Contaminated Material Collection Point	East of Bldg. 369	Bldg 369 Area	No	This collection area was near Unit 2-59 and was a one time event for the temporary storage of a transformer. Inactive drum storage on pallets on ground surface, now a fenced nuclear area, part of bldg 369 area with proposed soil sampling and well installation, cross reference with SWMU 2-59, NFA consensus at August 99 SSA Mtg.
SWMU 80			202	Shop 56, WAA	NW side of Bldg. 202	Bldg 202	No	Previous < 90 drum storage area, a conex box is currently in this area. Inactive unit asphalt surface, drums on pallets, RFA recommended NFA, NFA consensus at August 99 SSA Mtg.
SWMU 81			202	Shop 26, Wheelabrator Cleaning Unit	Bldg. 202	Bldg 202	Yes	Inactive under RCRA, no RCRA closure, RFA recommended air sampling, Inside Bldg 202, possible dust release, NNSY Industrial Hygiene Program, NFA consensus at Sept 99 SSA Mtg
SWMU 82			202	Shop 26, Wheelabrator Waste Drum Accumulation Point	Bldg. 202	Bldg 202	Yes	Inactive under RCRA, no RCRA closure, RFA recommended NFA, NFA consensus at August 99 SSA Mtg.
SWMU 83				Shop 64/07, Asbestos Waste Collection Points	Various locations	NSSY	Yes	Active unit , RFA recommended NFA, controlled environmental operations NFA consensus at August 99 SSA Mtg.
SWMU 84			510	Shops 51 & 67, WAA	North of Bldg. 510	1927 Landfill Area	No	Previous < 90 day accumulation point for drums.. Inactive drum storage on pallets on concrete surface, Concrete in good condition 1998 site visit, 3 storm grates in area, RFA recommended NFA, NFA consensus at August 99 SSA Mtg.

Table 2-2. Sites Not Selected for Further Investigation Under CERCLA

Norfolk Naval Shipyard
Portsmouth, Virginia

Site ID	Other AOCs	OU #	Building #	Name / Description	Location	Study Area Location	Active Unit	Justification for CERCLA Exclusion
SWMU 85			510	Shop 51, Below Ground Effluent Collection Tanks	East side of Bldg. 510	1927 Landfill Area	Yes	Cross reference with Site 10 (RFA-S SWMU# 2-17), RFA recommended NFA, NFA consensus at August 99 SSA Mtg.
SWMU 86			510	Shop 67, Effluent Collection Tank	West side of Bldg. 510	1927 Landfill Area	Yes	Active unit cross reference with Site 10 RFA-S SWMU# 2-17, RFA recommended NFA, NFA consensus at August 99 SSA Mtg.
SWMU 87			510	Shop 67, Drum Collection Area	Between Bldgs. 510 & 297	1927 Landfill Area	No	Inactive drum storage on pallets on asphalt surface, 5/99 site visit no evidence of release, two storm drains in area, one time storage area, within 1927 landfill area which includes bldg 510 and is being investigated as SWMU 2-17, NFA consensus at August 99 SSA Mtg.
SWMU 88			163	Shop 41, Boiler Tubes Cleaning Tanks	Bldg. 163	Bldg 163	Yes	Included in Title V Permit, NFA consensus at Sept 99 SSA Mtg
SWMU 89			236	Shop 02, Parts Washer Units	Bldg. 236	Bldg. 236 /ER Site 17	No	Exact location in Bldg. 236 unknown, site visit (5/99) no evidence of concern. NFA consensus at April 99 SSA Mtg.
SWMU 90			60	Shop 51, Sulfuric Acid Waste Collection Sump and Tank	Bldg. 60	Bldg 60	No	Former sump and collection tank for dilute sulfuric acid wastes, concrete area, diked and in good condition 1998 visit, RFA recommended NFA, NFA consensus at August 99 SSA Mtg.
SWMU 91			163	Shop 56, Asbestos Removal Unit	North side of Bldg. 163	Bldg 163/174	No	Metal bldg next to Bldg 163 for removal of asbestos insulation, bldg now gone, RFA recommended NFA, NFA consensus at August 99 SSA Mtg.
SWMU 92			236	Shop 02, Automotive Shop WAA	North side of Bldg. 236	Bldg. 236 /ER Site 17	No	Exact location in Bldg. 236 unknown, site visit (5/99) no evidence of concern. NFA consensus at April 99 SSA Mtg.
SWMU 93			261	Drum Accumulation Area	South of Bldg. 261	Slip 3 / Davis Ave. Area	No/C	Concrete slab for drum storage, RCRA closure, 32 samples collected, no samples from RCRA closure exceed TCLP, NFA consensus at August 99 SSA Mtg.
SWMU 94				Floating Oil Holding Donuts	Various pier areas	Piers	Yes	Used only on contingency basis, if in use it is regulated under VDPES, RFA recommended NFA, Donuts removed, NFA consensus at August 99 SSA Mtg.
SWMU 95			275	Shop 64, WAA	NW of Bldg. 275	Bldg 275	Yes	Active unit under RCRA, RFA recommended secondary containment, NFA consensus at Sept 99 SSA Mtg
SWMU 96				Discarded Drums (near Berth 43)	Near Berth 43	Bldg 369 Area	No	Drums on pallets on asphalt, This area is no longer used as a drum storage area, exact location could not be verified, RFA recommended NFA, cross reference with Bldg 369, Site visit 5/99 NFA consensus at August 99 SSA Mtg.
SWMU 97			236	Shop 02 Construction Equipment Shop WAA	Bldg. 236	Bldg. 236 /ER Site 17	No	Exact location in Bldg. 236 unknown, site visit (5/99) no evidence of concern, research/document floor drains, Used for equipment maintenance on pay-loaders and fork lifts, drums of used oil, anti-freeze, and fuels were collected inside the building. NFA consensus at Sept 99 SSA Mtg.
SWMU 98				Sand Blast Residues Drum Collection Area	North of Wet Slip #2	Slip 2	No	Sand storage bins have been removed. Temporary one time storage area for blast grit, 5/99 site visit, NFA consensus at April 99 SSA Mtg.
SWMU 99				Shipyard Sanitary Sewer System	Various locations	NNSY	Yes	Active sanitary sewer system, system clean out in progress, cross referenced with AOC 7- facility storm sewer, NFA consensus at Sept 99 SSA Mtg
SWMU 100				Oil Spill Area	North side of Pier 3	Slip 3 / Davis Ave. Area	No	Stained soil in 1987, area now paved, Site visit 5/99 NFA consensus at August 99 SSA Mtg.
SWMU 101				Temporary Overflow Storage Area	Southgate Annex	Southgate Annex	No	Cross reference with AOC 2 under RCRA closure, Site visit 5/99, document closure information
SWMU 102	AOC 01			Shop 06 Insecticide Mixing	Bldg 17A, between Bldgs 17 & 39	N of slip 1	No	Insecticide mixed for NNSY application - containers triple rinsed, punctured and disposed. Bldg demolished, area asphalt, storm drain in area, Site visit 5/99, NFA consensus at Aug 99 SSA Mtg.
SWMU 103	AOC 02			Bldg 383 Tanks	Southgate Bldg 383	Southgate Annex	No	4 ASTs at loading dock have been removed under RCRA closure, Site visit 5/99, area now storage of booms, pallets, cylinders, NFA consensus at Aug 99 SSA Mtg.
SWMU 104	AOC 03			Previous Abrasive Blast Recycling Facility	S of Bldg 172	Bldg 1499; SSP 1927 Landfill area	No	MILCON soil samples indicated hydrocarbons in soils and groundwater. Area now asphalt parking. Included in 2001 SSP Investigation of 1927 Landfill area. NFA consensus July 2003 based on risk screening and absence of CERCLA release, groundwater will be addressed as part of Site 10

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Site ID	Other AOCs	OU #	Building #	Name / Description	Location	Study Area Location	Active Unit	Justification for CERCLA Exclusion
SWMU 105	AOC 05			Mil Con P-331 Crane Rail	E of Bldgs 163 & 202	Slip 3 / Davis Ave. Area	No	Environmental sampling FY90 MCON Report of Findings, 11/18/88 associated with construction at ER Site 18, Samples show metals TCLP below levels of concern, Construction project to go forward, NFA consensus at Aug 99 SSA Mtg.
SWMU 106	AOC 06			Former Gyro Facility	Next to Chaplain Office Bldg 67	Chapel E of Slip 2 and Bldg 73	No	Mercury from electronics shop, facility has been removed. Exact location uncertain, some grass areas near Chapel, Site visit 5/99, review EPIC photos, no area of concern, NFA consensus at Aug 99 SSA Mtg.
SWMU 107			464	Operated 1963-1980	NE corner of Bldg 464	Bldg 464-424 Area	No	Identified in EPIC study, review photos, no areas of concern noted, NFA consensus at Aug 99 SSA Mtg.
SWMU 108				Operated 1976-1980	Area of Bldg 1515 of SPSA	1941 Ldf/ RDF Plant/SPSA	No	Currently concrete sidewalks and asphalt roads, area is former salvage yard, Review EBS report, use existing data, NFA SSA, cross reference with ER Site 8, NFA Consensus at Sept SSA Mtg
SWMU 109				Operated 1971	Area of Bldg 1521/1545 & 1517/1518 & 1519	1941 Ldf/ RDF Plant/SPSA	No	Currently concrete sidewalks and asphalt roads, area is former salvage yard, Review EBS report, use existing data, NFA SSA, cross reference with ER Site 8, NFA Consensus at Sept SSA Mtg
SWMU 110				Operated 1976	Area of Bldg 1517/1519 & along RR track near Bldg 1522/1520	1941 Ldf/ RDF Plant/SPSA	No	Currently concrete sidewalks and asphalt roads, area is former salvage yard, Review EBS report, use existing data, NFA SSA, cross reference with ER Site 8, NFA Consensus at Sept SSA Mtg
SWMU 111				Operated 1971	East side Bldg 1452	Bldg 1452	No	Temporary one time storage event, NFA consensus at Aug 99 SSA Mtg.
SWMU 112				Operated 1971	SW corner Bldg 172 E-SE Stevens St	Bldg 171/ Bldg 268/ Bldg 172	No	Bldg 172 housed former foundry, RFA recommended NFA, Currently asphalt road surface, drums stored for limited- one- time only 1998 visit staining on concrete, cross ref with SWMU 2-44 NFA consensus at Aug 99 SSA Mtg.
SWMU 113				Operated 1985-1986	W-SW corner Bldg 1499	Bldg 1499	No	Inactive under RCRA, no RCRA closure, identified in EPIC Study, Concrete surface in fair condition, NFA consensus at Aug 99 SSA Mtg.
SWMU 114				Operated 1971-1985	W Bldg 152 E of Bldg 1499	Bldg 171/ Bldg 268/ Bldg 172	No	Bldg 172 housed former foundry, RFA recommended NFA, Now concrete parking area, concrete in fair condition 1998 visit staining on concrete cross reference with SWMU 2-45, NFA consensus at Sept SSA Mtg
SWMU 115				Operated 1971-1985	S end Bldg 510	1927 Landfill Area	No	< 90 day storage for shops 51 a & 67, drum storage on S side of bldg 510, area in vicinity of 1927 landfill, cross reference with SWMU 2-66 NFA consensus at Aug 99 SSA Mtg.
SWMU 116				Operated 1985	SW corner Bldg 268	Bldg 171/ Bldg 268/ Bldg 172	No	< 90 day drum storage for oils and corrosive, drum storage on S side of bldg 268, Inactive area, concrete floor in bldg, 1998 site visit no evidence of release, cross reference with SWMU 2- 38 RFA recommended NFA, NFA consensus at Aug 99 SSA Mtg.
SWMU 117				Operated 1980-1982	IWTP	Bldg. 236 /ER Site 17	No	Active IWTP storage, in area of ER Site 17 reviewed existing data and site photos, NFA consensus at Aug 99 SSA Mtg. DSA-L is handled under RCRA, surrounding area is CERCLA
SWMU 118				Operated 1980	S of fuel storage tanks 1250 to 1255	Bldg. 236 /ER Site 17	No	Drum storage south of fuel tanks 1250 to 1255, concrete surface in fair condition, surface staining noted, In area of ER Site 17, reviewed existing data and site photos, NFA consensus at Aug 99 SSA Mtg.
SWMU 119				Operated 1982	SW Bldg 174	Bldg 163/174	No	Surface concrete in fair condition, few drums temporarily stored outside Bldg 174, no evidence of release, reviewed site photos, NFA consensus at Aug 99 SSA Mtg.
SWMU 120				Operated 1982	Adjacent to Bldg 1512 XFER Facility	Bldg. 236 /ER Site 17	No	RCRA closure, site inactive, no evidence of release 1998 site visit, RFA recommended NFA, reviewed site photos, NFA consensus at Aug 99 SSA Mtg.
SWMU 121				Operated 1980	W of Bldg 236	Bldg. 236 /ER Site 17	No	Inactive unit < 90 day accumulation point for drums. Adjacent to SWMU 2-46 area is sandy soil/gravel, site will be addressed with SWMU 2-46, reviewed site photos, NFA consensus at Aug 99 SSA Mtg.

Table 2-2. Sites Not Selected for Further Investigation Under CERCLA

Norfolk Naval Shipyard
Portsmouth, Virginia

Site ID	Other AOCs	OU #	Building #	Name / Description	Location	Study Area Location	Active Unit	Justification for CERCLA Exclusion
SWMU 122				Operated 1944-1970	S and W of Bldg 212	Bldg 212 & 1460, W of 1927 Ldf.	No	Various open storage areas noted in EPIC study, No visible environmental concerns noted in 1998 site visit, currently asphalt and concrete misc. storm drains, Cross-reference with SWMU 2-27, Reviewed recent site photos, NFA consensus at Aug 99 SSA Mtg.
SWMU 123				Operated 1944-1990	E of Harrington Ave, N Bldg 260, SW of Bldgs 297/510, Farquhar Ave as E boundary, current Bldg 1341	1927 Landfill Area	No	Various open storage areas noted in EPIC study, Cross-reference with RCRA closure at SWMU 2-91, currently asphalt and concrete and acid storage tanks 1341, Reviewed recent site photos, NFA consensus at Aug 99 SSA Mtg.
SWMU 124				Operated 1944-1990	E of Bldg 510 & W of Hitchcock St	1927 Landfill Area	No	Various open storage areas noted in EPIC study, currently asphalt soil and concrete in area of 1927 landfill, Reviewed recent site photos, cross reference with 1927 landfill, NFA consensus at Sept SSA Mtg
SWMU 125				Operated 1944-1970	E of Bldg 298 & W of Dry Dock 8	Area East of Bldg 298	No	Various open storage areas noted in EPIC study, currently asphalt Reviewed recent site photos, NFA consensus at Aug 99 SSA Mtg.
SWMU 126				Operated 1944-1990	N-NW of Dry Dock 8	Area East of Bldg 298	No	Various open storage areas noted in EPIC study, Currently asphalt, Near Dry Dock 8, no environmental concern noted in 1998 site visit, Reviewed recent site photos, NFA consensus at Aug 99 SSA Mtg.
SWMU 127				Operated 1944-1980	SE NNSY N of Atlantic Wood Now parking and Bldgs 1513/1523/1554	North of Atlantic Wood	No	Various open storage areas noted in EPIC study, Currently asphalt parking, No environmental concern noted in 1998 site visit, Reviewed recent site photos, NFA consensus at Aug 99 SSA Mtg.
SWMU 128				Operated 1944-1990	N of Bldg 435	Slip 3 / Davis Ave. Area	No	Various open storage areas noted in EPIC study, Currently asphalt parking and roadway and fenced area for tool box storage, Same area of SWMU 2-57 where RFA recommended NFA, Reviewed recent site photos, NFA consensus at Aug 99 SSA Mtg.
SWMU 129				Operated 1944-1985	SW of Dry Dock 4, NE of Bldg 261, current Bldg 1539	Slip 3 / Davis Ave. Area	No	Various open storage areas noted in EPIC study, Currently asphalt roadway and staging area, Utility vaults and storm drains in area, no environmental concerns noted in 1998 site visit, MILCON Dry dock improvements with soil samples collected, Reviewed recent site photos, NFA consensus at Aug 99 SSA Mtg.
SWMU 130				Operated 1944-1990	Adjacent to Bldg 300	Bldg 300	No	Various open storage areas noted in EPIC study, Currently asphalt roadway, Storm drains in area, no environmental concerns noted in 1998 site visit, Cross-reference with SWMU 2-41, Reviewed recent site photos, NFA consensus at Aug 99 SSA Mtg.
SWMU 131				Operated 1944-1990	E of Bldg 1575	S of Slip 1 and Berth 6	No	Various open storage areas noted in EPIC study, Currently asphalt parking, No environmental concerns noted in 1998 site visit, Reviewed recent site photos, NFA consensus at Aug 99 SSA Mtg.
SWMU 132				Operated 1952-1982	SW of Pier 5 (Berths 38/39), current Bldgs 271/1301/1527/544/502	Area East of Bldg 298	No	Various open storage areas noted in EPIC study, Currently asphalt parking and roadway, No environmental concerns noted in 1998 site visit, Reviewed recent site photos, NFA consensus at Aug 99 SSA Mtg.
SWMU 133				Operated 1982-1990	Between Dry Dock 4 and Pier 3, S-SE of Bldg 261, current Bldgs 247/1263/193/45	Slip 3 / Davis Ave. Area	No	Various open storage areas noted in EPIC study, Currently asphalt and soil, now storage of trailers, concrete debris, and satellite accumulation area, No environmental concerns noted in 1998 site visit, Cross-reference with SWMU 2-87 & 10A RCRA Closure. Reviewed recent site photos, NFA consensus at Aug 99 SSA Mtg.
SWMU 134				Operated 1982-1990	S of Bldg 260	Bldg 212 & 1460, W of 1927 Ldf.	No	Open storage noted in EPIC study, Currently worn and cracked concrete, 1998 visit noted rail cars containing bilge water and sodium nitrate. Reviewed recent site photos, NFA consensus at Aug 99 SSA Mtg.
SWMU 135				Operated 1990	NE of Dry Dock 1, S-SW of Bldg 62	N of Dry Dock 1	No	Open storage noted in EPIC study, Currently asphalt, 1998 visit noted concrete and brick debris, No environmental concerns identified in 1998 site visit, Reviewed recent site photos, NFA consensus at Aug 99 SSA Mtg.

Table 2-2. Sites Not Selected for Further Investigation Under CERCLA

Norfolk Naval Shipyard
Portsmouth, Virginia

Site ID	Other AOCs	OU #	Building #	Name / Description	Location	Study Area Location	Active Unit	Justification for CERCLA Exclusion
SWMU 136				Operated 1990	Between Dry Dock 4 and Dry Dock 3	N of Dry Dock 4	No	Open storage noted in EPIC study, Currently concrete, asphalt, and cinders. 1998 visit noted cylinders, tankers of sodium nitrate and misc. storage, No environmental concerns identified in 1998 site visit, Reviewed recent site photos, NFA consensus at Aug 99 SSA Mtg.
SWMU 137				Operated 1937-1961	Bldg 369	Bldg 369 Area	No	Various storage areas around bldg 369 identified in EPIC Study, Cross reference with SWMUs 2-2A, 2-39, 2-40, 2-59, 2-60, In area of Bldg 369, NFA consensus at Aug 99 SSA Mtg.
SWMU 138				Operated 1963-1990	SW dry dock 8 and W Bldg 369	Bldg 369 Area	No	Various storage areas around bldg 369, Currently asphalt parking, cross-reference with SWMU 2-40, NFA consensus at Aug 99 SSA Mtg.
SWMU 139				Operated 1963-1970	S of Bldg 369	Bldg 369 Area	No	storage area around bldg 369, Currently asphalt parking, items stored as noted in EPIC study should not have impacted the site, NFA consensus at Aug 99 SSA Mtg.
SWMU 14			1485	IWTP Tanker Dumping Station	Fac. 1485	IWTP Fac. 1485	Yes	Active IWTP, operated under Clean Water Act, IWTP in area of Bldg 236 and ER Site 17, RFA recommended NFA, NFA consensus at August 99 SSA Mtg.
SWMU 140				Operated 1937-1961	E of Bldg 369 to end of berth 43	Bldg 369 Area	No	Various storage areas near Berth 43 in vicinity of bldg 369. In MILCON area near bldg 369, Currently asphalt surface, RR tracks traverse the area, Cross-reference with SWMUs 2-59, 2-60, & 2-86, NFA consensus at Aug 99 SSA Mtg.
SWMU 141				Operated 1944-1990	W of Bldg 280 where Bldg 1567 is now	Bldg 1567	No	Various open storage areas noted in EPIC study, Currently active storage area of items that do not represent environmental concern, Reviewed recent site photos NFA consensus at Aug 99 SSA Mtg.
SWMU 142				Operated 1949-1990	N of Bldg 463/464/424, S of Beaty St W to Black Lane	Bldg 464-424 Area	No	Various open storage areas noted in EPIC study, currently asphalt for parking, Cross-reference with DSA-A, Reviewed recent site photos, NFA consensus at Aug 99 SSA Mtg.
SWMU 143				Operated 1949-1976	NE of Bldg 1499 bordered by Green St/Old Williams Ave on W, Pennock St N-NW, Stevens St on SE	Bldg 1499	No	Various open storage areas noted in EPIC, No visible environmental concerns noted in 1998 site visit, currently asphalt for parking, existing RR tracks paved over, misc. storm drains, Reviewed recent site photos, NFA consensus at Aug 99 SSA Mtg.
SWMU 144				1937 Impoundment	SW of Bldg 510 open area N of Hitchcock St		No	Identified in EPIC Study, Area filled in, NFA consensus at Aug 99 SSA Mtg.
SWMU 145				Impoundment	Berths 42/43		No	Site no longer exists, Berths 42/43 possibly Eliz River from dredging for dry dock8 & Bldg 369, NFA consensus at Aug 99 SSA Mtg.

ABM - Abrasive Blast Material

AOC - Area of Concern

CERCLA - Comprehensive Environmental Response Compensation and Liability Act

DSA - Drum Storage Area

EPIC - Environmental Photographic Interpretation Center

ER - Environmental Restoration

FFA - Federal Facility Agreement

IAS - Initial Assessment Study

IWTP - Industrial Waste Water Treatment Plant

MILCON - Military Construction Project

NFA - No further action

OSA - Outside Storage Area

RFA - RCRA Facility Assessment and RFA-S Supplemental RCRA Facility Assessment

SSA - Site Screening Assessment

SWMU - Solid Waste Management Unit

UST - Underground Storage Tank

WAA - Waste Accumulation Area

Appendix A Site Screening Areas Under Site Screening Process

Appendix B Preliminary Screening Areas

Appendix C No Further Action Sites

Appendix B
Written Questionnaire



Community Questionnaire for the Environmental Restoration Program
 Norfolk Naval Shipyard, Portsmouth, VA
 2017 Community Involvement Plan

THANK YOU FOR TAKING THE TIME TO FILL OUT THIS QUESTIONNAIRE!

The purpose of this questionnaire is to gauge community awareness of the Environmental Restoration Program at Norfolk Naval Shipyard in Portsmouth, Virginia. The Environmental Restoration Program focuses on contamination that may have occurred in the past due to spills, leaks, or historic disposal practices that are no longer acceptable under today's environmental regulations. This questionnaire is an important tool for helping us understand the community's interest, concerns, and information needs related to the Environmental Restoration Program.

Responses to this questionnaire will be kept confidential. Your responses to this questionnaire will be used in summary to update the Community Involvement Plan. The Community Involvement Plan describes how the Navy, working in coordination with the U.S. Environmental Protection Agency (USEPA) and the Virginia Department of Environmental Quality (VDEQ) communicates with the community about the Environmental Restoration Program and provides opportunities for the public to be involved. The Community Involvement Plan will be placed in the information repository for public review.

If you would like more information about Norfolk Naval Shipyard, or if you have any concerns about confidentiality, please contact Cecilia Landin by telephone at 757-341-0380, by sending e-mail to cecilia.landin@navy.mil, or by sending regular mail to:

ATTN CODE OPHE3 (Ms. Cecilia Landin)
 NAVFAC MIDLANT
 9342 Virginia AVE
 Norfolk VA 23511-3095

The personal information below is **OPTIONAL**, but is requested so that we can describe generally the types of people who provided input to the Community Involvement Plan and so we can add your name to a mailing list, if one is established.

At a minimum, please provide your zip code and check one or more of the boxes in the last row.

Name:		
Address:		
Organization (if any):		
Phone:		
<i>(Check all that apply)</i>		
<input type="checkbox"/> local community resident	<input type="checkbox"/> local homeowners' association	<input type="checkbox"/> public or elected official
<input type="checkbox"/> retired military	<input type="checkbox"/> business owner	<input type="checkbox"/> civic or environmental group
<input type="checkbox"/> work or live on Norfolk Naval Shipyard (now or in the past)		
<input type="checkbox"/> work or live on another local base (now or in the past) which one? _____		

Please fax, scan/e-mail, or mail your responses before 9/15, to:

ATTN CODE OPHE3 (Ms. Cecilia Landin)
 NAVFAC MIDLANT
 9342 Virginia AVE
 Norfolk VA 23511-3095
 Fax: 757-341-0399
 email: cecilia.landin@navy.mil

THANK YOU for taking time to share your thoughts with us! Your participation is greatly appreciated.

1. How long have you lived in this community? _____ < 1 year _____ years

2. On a scale of 1 to 10, with 10 being the most concerned, how would you describe the community's attitude toward environmental issues in general?

1 2 3 4 5 6 7 8 9 10

What environmental issues do you feel tend to be most important to people or get the most attention?

3. On a scale of 1 to 10 (with 1 being not at all interested and 10 being very interested) how interested do you think the community is in the Norfolk Naval Shipyard Environmental Restoration Program?

1 2 3 4 5 6 7 8 9 10

4. Before we contacted you, were you aware that Norfolk Naval Shipyard is conducting environmental investigations and cleanup of hazardous waste sites? _____ Yes _____ No

a. How did you become aware?

b. On the same scale of 1 to 10 (with 1 being not at all interested and 10 being very interested), how interested are YOU are in the Norfolk Naval Shipyard cleanup program?

1 2 3 4 5 6 7 8 9 10

5. Do you feel NNSY is fulfilling its role as a responsible neighbor regarding the investigation and cleanup of past environmental contamination?

_____ Yes _____ No _____ Not Sure

6. Do you have any specific questions or concerns about potential contamination from past environmental sites at Norfolk Naval Shipyard?

___ surface water ___ health issues ___ none

___ groundwater ___ soil

___ air quality ___ other (please describe):

7. Do you think that the community has been directly affected by historic contamination at NNSY?

_____ Yes _____ No _____ Not Sure

If yes, in what way?

8. Do you think that Norfolk Naval Shipyard, the U.S. Environmental Protection Agency (EPA), and the Virginia Department of Environmental Quality (VDEQ) are viewed as credible, trustworthy sources of information about the environmental cleanup at Norfolk Naval Shipyard? _____ Yes _____ No

9. Have you personally talked with any officials from NNSY, EPA, or VDEQ or any of your local officials about the environmental cleanup at Norfolk Naval Shipyard? _____ Yes _____ No

If yes, which officials?

Were they responsive to your concerns or questions? Yes No

10. Have you attended any public meetings about the environmental cleanup response at Norfolk Naval Shipyard? Yes No

If yes, what was the topic (and/or date)?

11. *A Restoration Advisory Board (RAB) is a group of interested community members who meet regularly with Shipyard and regulatory officials to receive updates about the environmental restoration program and to provide feedback from the community's point of view. The Norfolk Naval Shipyard's RAB has not met since August 2010 due to dwindling interest and participation.*

Before receiving this questionnaire, were you aware of Norfolk Naval Shipyard's Restoration Advisory Board (RAB)? Yes No

(If yes) Have you attended any RAB meetings? Yes No

(If yes) Was the meeting useful? Yes No

(If yes) Did you understand the information that was presented? Yes No

12. Do you feel there is a need for Norfolk Naval Shipyard to have a RAB and hold regular meetings on its environmental cleanup? Yes No

Why or why not?

(If yes) Would you be interested in being a member of the RAB? Yes No

13. Have you ever visited the website for the Norfolk Naval Shipyard environmental cleanup program?

https://www.navfac.navy.mil/products_and_services/ev/products_and_services/env_restoration/installation_map/navfac_atlantic/midlant/norfolk_nsy.html

Yes No not aware

(If yes) Was the information available there useful to you? Yes No

(If yes) Do you have any suggestions for improving it?

14. The Base maintains a Public Information Repository at the Public Affairs Office where the public can review documents about the cleanup work at Norfolk Naval Shipyard.

Did you know about or have you ever used the repository? Yes No not aware

(If yes) Was the information available there useful to you? Yes No

(If no) Do you think that is a convenient location? Yes No

(If no) Where else would you recommend putting it?

public library City offices other _____

15. How do you receive information about local news and events (in general)?

(Check all that apply)

Newspaper notices Radio/TV Website

Public meetings Mailing list E-mail list
 Other (please describe):

Which specific newspapers, radio and TV stations, social media sites, or websites do you read or listen to?

16. Have you ever seen or received public notices or other information about the Norfolk Naval Shipyard Environmental Response Program? Yes No Not sure
If so, where?

newspaper notices fact sheet Norfolk Naval Shipyard website
 newspaper articles e-mail/phone inquiry other (please describe):

17. Would you like to receive information about the environmental cleanup program at Norfolk Naval Shipyard? Yes No

(If yes) How would you like to receive information about the cleanup work at Norfolk Naval Shipyard?
(Check all that apply)

Newspaper notices Radio/TV Website
 Public meetings Mailing list E-mail list
 Not interested Other (please describe):

How often would you like to receive information? 1x/year 2x/year as needed

18. On a scale of 1 to 10 (with 1 being "not at all" and 10 being "definitely") do you think the Norfolk Naval Shipyard communicates effectively with the community about the Environmental Restoration Program?

1 2 3 4 5 6 7 8 9 10

If you responded 5 or below, what are your recommendations for improving the Navy's communication about the Environmental Restoration Program?

More frequent Less frequent
 More detail Less detail
 Different format:
 Newspaper
 Radio/TV
 Information repository
 Hold public meetings or availability sessions
 Provide speakers at existing community meetings
 Website
 Social media (which?) _____
 Other (describe) _____

19. Who would you contact if you wanted to know more about Norfolk Naval Shipyard's environmental cleanup program? _____ Don't know

20. Do you have any other comments or suggestions about Norfolk Naval Shipyard's Environmental Restoration Program?

Appendix C

Written Questionnaire Results

Question	Total Surveys R=32		
	Number of Responses	Total Number of Responses	Percentage (%)
1. What zip code do you live in?			
23434	1	32	3.1
23701	2	32	6.3
23702	6	32	18.8
23703	1	32	3.1
23704	21	32	65.6
Not Given	1	32	3.1
2. Are you associated with any organization(s)? (can have multiple answers)			
Civic League	1	32	3.1
Environmental Justice	4	32	12.5
Madison Ward Civic League	1	32	3.1
People for Environmental Justice (PFEJ)	4	32	12.5
No Affiliation or No Response	22	32	68.8
3. What is your community involvement? (can have multiple answers)			
Local Resident	28	32	87.5
Local HOA	1	32	3.1
Public/Elected Official	1	32	3.1
Retired Military	3	32	9.4
Business Owner	4	32	12.5
Civic or Environmental Group	6	32	18.8
Work or Live on Norfolk Naval Shipyard	6	32	18.8
Work or Live on Another Local Base	1	32	3.1
Not Mentioned	1	32	3.1
4. How long have you lived in this community?			
<1 Year	0	32	0.0
1-5 Years	0	32	0.0
6-20 Years	9	32	28.1
21-50 Years	15	32	46.9
+50 Years	6	32	18.8
Not Mentioned	2	32	6.3
5. On a scale of 1 to 10, with 10 being the most concerned, how would you describe the community's attitude toward environmental issues in general?			
1-2	0	32	0.0
3-4	0	32	0.0
5-6	3	32	9.4
7-8	8	32	25.0
9-10	21	32	65.6
a. What environmental issues do you feel tend to be most important to people or get the most attention? (can have multiple answers)			
Health Issues	17	32	53.1
Ground Water	12	32	37.5
Air Quality	17	32	53.1
Drinking Water	9	32	28.1
Effect on Women/Children	2	32	6.3
Hazardous Waste/Disposal	9	32	28.1
Lead Contamination	5	32	15.6
Flooding	3	32	9.4
Affected Community	4	32	12.5
Abandoned Pipes	1	32	3.1
None	4	32	12.5

Question	Total Surveys R=32		
	Number of Responses	Total Number of Responses	Percentage (%)
6. On a scale of 1 to 10 (with 1 being not at all interested and 10 being very interested) how interested do you think the community is in the Norfolk Naval Shipyard Environmental Restoration Program?			
1-2	0	32	0.0
3-4	0	32	0.0
5-6	4	32	12.5
7-8	9	32	28.1
9-10	19	32	59.4
7. Before we contacted you, were you aware that Norfolk Naval Shipyard is conducting environmental investigations and cleanup of hazardous waste sites?			
Yes	4	32	12.5
No	27	32	84.4
Not Mentioned	1	32	3.1
a. If yes, how did you become aware? (can have multiple answers)			
Newspaper	2	4	50.0
Civic League	1	4	25.0
Word of Mouth	2	4	50.0
b. On the same scale of 1 to 10 (with 1 being not at all interested and 10 being very interested), how interested are YOU are in the Norfolk Naval Shipyard cleanup program?			
1-2	0	32	0.0
3-4	0	32	0.0
5-6	2	32	6.3
7-8	4	32	12.5
9-10	26	32	81.3
8. Do you feel NNSY is fulfilling its role as a responsible neighbor regarding the investigation and cleanup of past environmental contamination?			
Yes	5	32	15.6
No	19	32	59.4
Not Sure	8	32	25.0
9. Do you have any specific questions or concerns about potential contamination from past environmental sites at Norfolk Naval Shipyard? (can have multiple answers)			
Surface Water	24	32	75.0
Ground Water	27	32	84.4
Air Quality	26	32	81.3
Health Issues	26	32	81.3
Soil	25	32	78.1
Other	6	32	18.8
None	3	32	9.4
10. Do you think that the community has been directly affected by historic contamination at NNSY?			
Yes	23	32	71.9
No	1	32	3.1
Not Sure	8	32	25.0
a. If yes, in what way? (can have multiple answers)			
Health Issues	11	23	47.8
Lead Contamination	3	23	13.0
Toxic Runoff	1	23	4.3
Food Contamination	1	23	4.3
Radiation	1	23	4.3
11. Do you think that Norfolk Naval Shipyard, the U.S. Environmental Protection Agency (EPA), and the Virginia Department of Environmental Quality (VDEQ) are viewed as credible, trustworthy sources of information about the environmental cleanup at Norfolk Naval Shipyard?			
Yes	11	32	34.4
No	19	32	59.4
Not Mentioned	2	32	6.3

Question	Total Surveys R=32		
	Number of Responses	Total Number of Responses	Percentage (%)
12. Have you personally talked with any officials from NNSY, EPA, or VDEQ or any of your local officials about the environmental cleanup at Norfolk Naval Shipyard?			
Yes	7	32	21.9
No	25	32	78.1
a. If yes, which officials? (can have multiple answers)			
City Council	1	7	14.3
Ports School Board	1	7	14.3
Costella Williams	2	7	28.6
Charlotte Scott	1	7	14.3
Terri Daves	1	7	14.3
Unnamed Representative	2	7	28.6
Other	2	7	28.6
b. If yes, were they responsive to your concerns or questions?			
Yes	2	7	28.6
No	2	7	28.6
13. Have you attended any public meetings about the environmental cleanup response at Norfolk Naval Shipyard?			
Yes	3	32	9.4
No	28	32	87.5
Not Mentioned	1	32	3.1
a. If yes, what was the topic (and/or date)? (can have multiple answers)			
Public Meeting on I.C. Norco	1	3	33.3
No Tolerance Policy	1	3	33.3
MLK Community Center 10-2017	1	3	33.3
Other	1	3	33.3
14. Before receiving this questionnaire, were you aware of Norfolk Naval Shipyard's Restoration Advisory Board (RAB)?			
Yes	1	32	3.1
No	31	32	96.9
a. If yes, have you attended any RAB meetings?			
Yes	0	1	0.0
No	1	1	100.0
b. If yes, was the meeting useful?			
Yes	0	0	N/A
No	0	0	N/A
c. If yes, did you understand the information that was presented?			
Yes	0	0	N/A
No	0	0	N/A
15. Do you feel there is a need for Norfolk Naval Shipyard to have a RAB and hold regular meetings on its environmental cleanup?			
Yes	31	32	96.9
No	0	32	0.0
Not Mentioned	1	32	3.1
a. Why or why not?			
Community Representation	1	31	3.2
Keep Residents Informed	14	31	45.2
Health of the Community	1	31	3.2
Keep Information Presented in a Timely Manner	1	31	3.2
Not Mentioned	14	31	45.2
b. If yes, would you be interested in being a member of RAB?			
Yes	10	32	31.3
No	18	32	56.3
Not Mentioned	4	32	12.5

Question	Total Surveys R=32		
	Number of Responses	Total Number of Responses	Percentage (%)
16. Have you ever visited the website for the Norfolk Naval Shipyard environmental cleanup program?			
Yes	0	32	0.0
No	9	32	28.1
Not Aware	22	32	68.8
Not Mentioned	1	32	3.1
a. If yes, was the information available there useful to you?			
Yes	0	0	N/A
No	0	0	N/A
b. If yes, do you have any suggestions for improving it?			
Yes	0	0	N/A
No	0	0	N/A
17. The Base maintains a Public Information Repository at the Public Affairs Office where the public can review documents about the cleanup work at Norfolk Naval Shipyard. Did you know about or have you ever used the repository?			
Yes	0	32	0.0
No	10	32	31.3
Not Aware	19	32	59.4
Not Mentioned	3	32	9.4
a. If yes, was the information available there useful to you?			
Yes	0	0	N/A
No	0	0	N/A
b. If no, do you think that is a convenient location?			
Yes	0	0	N/A
No	0	0	N/A
b. If no, where else would you recommend putting it? (can have multiple answers)			
Public Library	10	10	100.0
City Offices	3	10	30.0
Wesley Center 1701 Elmane Ports VA 23704	5	10	50.0
Portsmouth City Hall Lobby	1	10	10.0
Not Mentioned	1	10	10.0
18. How do you receive information about local news and events (in general)? (can have multiple answers)			
Newspaper Notices	16	32	50.0
Radio/TV	25	32	78.1
Website	8	32	25.0
Public Meeting	11	32	34.4
Mailing List	4	32	12.5
E-mail List	3	32	9.4
Other	12	32	37.5
Not Mentioned	2	32	6.3
a. If relevant, which specific newspapers, radio and TV stations, social media sites, or websites do you read or listen to? (can have multiple answers)			
Local radio/TV	10	22	45.5
Facebook	3	22	13.6
VA Pilot	4	22	18.2
WTKR	3	22	13.6
WVEC	4	22	18.2
WAVY	8	22	36.4
CNN	3	22	13.6
FOX	2	22	9.1
WNRN	1	22	4.5

Question	Total Surveys R=32		
	Number of Responses	Total Number of Responses	Percentage (%)
19. Have you ever seen or received public notices or other information about the Norfolk Naval Shipyard Environmental Response Program?			
Yes	0	32	0.0
No	28	32	87.5
Not Sure	2	32	6.3
Not Mentioned	2	32	6.3
a. If yes, where? (can have multiple answers)			
Newspaper Notices	0	0	N/A
Newspaper Articles	0	0	N/A
Fact Sheets	0	0	N/A
E-mail/phone Inquiry	0	0	N/A
Norfolk Naval Shipyard Website	0	0	N/A
Other	0	0	N/A
20. Would you like to receive information about the environmental cleanup program at Norfolk Naval Shipyard?			
Yes	19	32	59.4
No	0	32	0.0
Not Mentioned	13	32	40.6
a. If yes, how would you like to receive information about the cleanup work at Norfolk Naval Shipyard? (can have multiple answers)			
Newspaper Notices	13	32	40.6
Radio/TV	17	32	53.1
Website	4	32	12.5
Public Meeting	16	32	50.0
Mailing List	16	32	50.0
E-mail List	3	32	9.4
Not Interested	0	32	0.0
Other	9	32	28.1
Not Mentioned	1	32	3.1
b. How often would you like to receive information?			
1x/Year	5	32	15.6
2x/Year	2	32	6.3
As Needed/As it Becomes Relevant	27	32	84.4
Not Mentioned	2	32	6.3
21. On a scale of 1 to 10 (with 1 being "not at all" and 10 being "definitely") do you think the Norfolk Naval Shipyard communicates effectively with the community about the Environmental Restoration Program?			
1-2	18	32	56.3
3-4	6	32	18.8
4-5	4	32	12.5
6-7	1	32	3.1
8-10	1	32	3.1
Not Mentioned	2	32	6.3

Question	Total Surveys R=32		
	Number of Responses	Total Number of Responses	Percentage (%)
a. If you responded 5 or below, what are your recommendations for improving the Navy's communication about the Environmental Restoration Program? (can have multiple answers)			
More Frequent	20	32	62.5
Less Frequent	0	32	0.0
More Detail	17	32	53.1
Less Detail	0	32	0.0
Newspaper	18	32	56.3
Radio/TV	19	32	59.4
Information Repository	11	32	34.4
Public Meeting	18	32	56.3
Speakers at Community Meetings	15	32	46.9
Website	15	32	46.9
Social Media	11	32	34.4
Other (Facebook, Newsletter)	7	32	21.9
Not Mentioned	1	32	3.1
22. Who would you contact if you wanted to know more about Norfolk Naval Shipyard's environmental cleanup program? (can have multiple answers)			
EPA	1	32	3.1
VDEQ	1	32	3.1
Don't Know	29	32	90.6
Other	1	32	3.1
Not Mentioned	1	32	3.1
23. Do you have any other comments or suggestions about Norfolk Naval Shipyard's Environmental Restoration Program? (can have multiple answers)			
Is this being conducted with an eye on the future? Other expectations?	1	32	3.1
Should be discussed in meetings	5	32	15.6
Keep Updated Information	5	32	15.6
How soon will the public be informed?	7	32	21.9
Have more meetings	2	32	6.3
What have they found and what have they done?	1	32	3.1
Not Mentioned	17	32	53.1

Appendix D

Key Contacts

Organization	Title/Office	Name	Address1	Address2	City	St	Zip	Phone	E-mail
NAVFAC	Remedial Project Manager	Robert Bray	NAVFAC MIDLANT, EV33	9742 Virginia Ave	Norfolk	VA	23511	757-341-0450 757-450-6688	robert.j.bray@navy.mil
NNSY	Environmental Manager	Stephen Cobb	Norfolk Naval Shipyard CODE 106.31	Building M-22, 3rd Floor	Portsmouth	VA	23709-5000	757-396-3431	stephen.c.cobb@navy.mil
NNSY	Public Affairs Officer	Terri Davis	Norfolk Naval Shipyard CODE 1160	Building 1500	Portsmouth	VA	23709-5000	757-396-9550	terri.k.davis@navy.mil
USEPA Region 3	Remedial Project Manager	Lisa Cunningham	Federal Facilities Section (3SEMD11)	1650 Arch Street	Philadelphia	PA	19103	(215) 814-3363	cunningham.lisa@epa.gov
VDEQ	Remedial Project Manager	Laura Galli	1111 East Main Street	Suite 1400	Richmond	VA	23219	804-698-4163	laura.galli@deq.virginia.gov
Federal and State Elected Officials									
U.S. Senator	Senator	Tim Kaine	222 Central Park Ave	Suite 120	Virginia Beach	VA	23462	757-518-1674	
U.S. Senator	Senator	Mark Warner	101 W. Main Street	Suite 7771	Norfolk	VA	23510	757-441-3079	
U.S. Representative	Representative	Robert C. "Bobby" Scott	2600 Washington Ave.	Suite 1010	Newport News	VA	23607	757-380-1000	
Governor	Governor	Ralph Northam	P.O. Box 1475		Richmond	VA	23218	804-786-2211	
State Representative	Representative	L. Louise Lucas	P.O. Box 700		Portsmouth	VA	23705-0700	(757) 397-8209	district18@senate.virginia.gov
State Delegate	Delegate	Matthew James	P.O. Box 7487		Portsmouth	VA	23707	(757) 967-7583	DelMJames@house.virginia.gov
City Elected Officials									
City of Portsmouth	Mayor	John L. Rowe, Jr.	P. O. Box 820		Portsmouth	VA	23705	757-393-8746	mayor@portsmouthva.gov
City of Portsmouth	Vice Mayor	Lisa Lucas-Burke	P. O. Box 820		Portsmouth	VA	23705	757-535-0227	lucasburkel@portsmouthva.gov
City of Portsmouth	Councilman	William E. "Bill" Moody, Jr	P. O. Box 820		Portsmouth	VA	23705	757-714-5471	moodyw@portsmouthva.gov
City of Portsmouth	Councilman	Paul J. Battle	P. O. Box 820		Portsmouth	VA	23705	757-816-9147	battlep@portsmouthva.gov
City of Portsmouth	Councilman	Nathan J. Clark	P. O. Box 820		Portsmouth	VA	23705	757-418-1489	clarkn@portsmouthva.gov
City of Portsmouth	Councilwoman	Shannon E. Glover	P. O. Box 820		Portsmouth	VA	23705	757-679-5469	glovers@portsmouthva.gov
City Employees									
City of Portsmouth	City Manager	Dr. L. Pettis Patton	801 Crawford Street		Portsmouth	VA	23704	757-393-8641	
City of Portsmouth	City Clerk	Debra Y. White, CMC	801 Crawford Street		Portsmouth	VA	23704	757-393-8639	whited@portsmouthva.gov
City of Portsmouth	City Attorney	Soloman H. Ashby	801 Crawford Street		Portsmouth	VA	23704	757-393-8731	Ashbys@portsmouthva.gov
City of Portsmouth	Director of Engineering & Technical Services	James E. Wright, P.E., CSM	801 Crawford Street	4th floor	Portsmouth	VA	23704	757-393-8592	
City of Portsmouth	Public Affairs Officer	Dana Woodson	801 Crawford Street	5th Floor	Portsmouth	VA	23704	757-393-5143	woodsond@portsmouthva.gov
City of Portsmouth	Director of Economic Development	Robert D. Moore	801 Crawford Street	5th Floor	Portsmouth	VA	23704	757-393-8804	robert.moore@portsmouthva.gov
City of Portsmouth	Environmental Manager	Meg Pittenger	801 Crawford Street	4th floor	Portsmouth	VA	23704	757-393-8836 Ext. 4216	pittenger@portsmouthva.gov
Local Schools									
Portsmouth Public Schools	Superintendent	Dr. Elie Bracy III	801 Crawford Street		Portsmouth	VA	23704	757-393-8751	ask.super@pps.k12.va.us
Brighton Elementary School	Principal	Paul Wilson	1100 Portsmouth Boulevard		Portsmouth	VA	23704	(757) 393-8870	Paul.Wilson@pps.k12.va.us

Organization	Title/Office	Name	Address1	Address2	City	St	Zip	Phone	E-mail
Business Representatives									
Olde Towne Business Association	Executive Director	Audrey Lassiter	P.O Box 1400		Portsmouth	VA	23705	757-405-3500	
Civic and/or Neighborhood Associations									
American Legion Post 190	Post Commander	Clyde Stephenson	2711 Peach St		Portsmouth	VA	23704	(757) 724-2486	alpost190.webs.com
VFW Post 993	Post Commander	Brandom Worrell	76 Afton Parkway		Portsmouth	VA	23702	(757) 485-9498	qm@va.vfwwebmail.com
Brighton/Prentis Park Civic League	President	Jesse Leake, Sr.	1418 Atlanta Avenue		Portsmouth	VA	23704	757-617-3184	leake5crew@verizon.net
Cradock Civic League	Vice - President	David Somers	5 Irwin Street		Portsmouth	VA	23702	757-613-8254	cacnine73@msn.com
Highland Biltmore Civic League	President	Leon Mortimer	506 Summers Place		Portsmouth	VA	23702	757-393-2388	leon@highlandbiltmore.org
Historical Truxtun Civic League	President	Chester Benton	2517 Portsmouth Boulevard		Portsmouth	VA	23704	757-718-4721	chesterbenton75@yahoo.com
Lee Ward Civic League/North Brighton	President	Preston Vaughan	2409 Peach Street		Portsmouth	VA	23704	757-572-2580	drmone99@yahoo.com
Madison Ward Civic League	President	Ronald Peebles	PO Box 385		Portsmouth	VA	23705	757-397-6694	
Prentis Place Civic League	President	Richard Cleveland	1731 Maple Avenue		Portsmouth	VA	23704	757-399-1009	r737@verizon.net
Wilson Ward/Gosport Civic League	President	Elvira H. Johnson	3313 Armistead Drive		Portsmouth	VA	23704	757-397-4750	symphony.one@verizon.net
Local Environmental Groups									
Paradise Creek Nature Park	Urban Park Ranger	Sarah Sumoski	1141 Victory Blvd		Portsmouth	VA	23702	757-399-7487 x 214	ssumoski@elizabethriver.org
Elizabeth River Project	Deputy Director of Restoration	Joe Riger	475 Water St	Suite C103A	Portsmouth	VA	23704	757-392-7133	jrieger@elizabethriver.org