



Community Involvement Plan

**Naval Air Station Oceana
Dam Neck Annex
Virginia Beach, Virginia**

July 2020

Final



Community Involvement Plan Organization

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Sailors assigned to Dam Neck Annex

800430191210060

1. Introduction

This Community Involvement Plan (**CIP**) presents the objectives and approach for implementing a community involvement program in support of work being performed under the Department of the Navy (Navy) Environmental Restoration Program (**ERP**) at Naval Air Station (**NAS**) Oceana's Dam Neck Annex, Virginia Beach, Virginia.

This CIP is designed to support effective two-way communication between Dam Neck Annex and local community members for the ERP. Effective communication and timely information exchange are essential for maintaining community understanding and support for Dam Neck Annex's mission and for implementing a successful ERP. The outreach methods described in this CIP were developed based on the results of community interviews conducted in November 2018. An example of the community questionnaire is included in **Appendix A**.

1.1. Environmental Restoration Program

The Naval Energy and Environmental Support Activity initiated environmental investigations at Dam Neck Annex in 1984 during an Initial Assessment Study completed to identify and assess sites posing a potential threat to human health or the environment (Rogers, Golden, & Halpern, 1984). While Dam Neck Annex is not on the United States Environmental Protection Agency's (**USEPA**'s) National Priorities List,¹ it is regulated in accordance with the Comprehensive Environmental Response, Compensation, and Liability Act (**CERCLA**) process with oversight from the Virginia Department of Environmental Quality (**VDEQ**).

The Navy's ERP addresses past contamination and consists of two programs:

- The Installation Restoration Program (**IRP**) addresses releases of hazardous substances, pollutants, or contaminants that may pose risks to human health or the environment.
- The Munitions Response Program (**MRP**) addresses environmental health and safety hazards from munitions and explosives of concern.

1.2. Community Involvement

Federal and state laws provide opportunities for community involvement throughout the environmental restoration process. Naval Facilities Engineering Command (**NAVFAC**) Mid-Atlantic and the NAS Oceana Public Affairs Office works in partnership with VDEQ to meet these requirements and ensure implementation of the community involvement activities outlined in this CIP. This is the first CIP for the installation.



Dam Neck Annex IRP Site



Dam Neck Annex MRP Site

Acronym Use

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 and are listed below:

CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CIP	Community Involvement Plan
EE/CA	Engineering Evaluation and Cost Analysis
ERP	Environmental Restoration Program
IRP	Installation Restoration Program
MRP	Munitions Response Program
NAS	Naval Air Station
NAVFAC	Naval Facilities Engineering Command
POC	Point of Contact
VDEQ	Virginia Department of Environmental Quality

¹ The National Priorities List is a list of hazardous waste sites the USEPA has prioritized for long-term remedial investigation/action.

2. The Community

This section describes Dam Neck Annex's setting within the local community.

2.1. Community Profile

2.1.1. Location

Dam Neck Annex is located on the Virginia coast, by the Atlantic Ocean. The installation is approximately three miles southeast of NAS Oceana, in Virginia Beach, and covers approximately 1,800 acres. **Figure 1** illustrates the general location of Dam Neck Annex.

2.1.2. Surrounding Community

The City of Virginia Beach is located within the Hampton Roads area, in the southeastern portion of Virginia and is surrounded by the Atlantic Ocean to the east, the Chesapeake Bay to the north, the City of Chesapeake to the west, and by North Carolina to the south. The northern area of Virginia Beach is densely populated with tourism occurring at the Atlantic oceanfront and the newly established ViBe Creative District. The southern portion of Virginia Beach is more rural and contains mostly active agricultural land and the protected Back Bay National Wildlife Refuge, West Neck Creek Park, and False Cape State Park along the Atlantic Ocean shoreline. Another point of interest is First Landing State Park, encompassing 2,900 acres. Located off Highway 60 and open year-round, the park has cabins, campsites, and picnic areas (NAS Oceana, 2018). The oceanfront, ViBe Creative District, agricultural areas, wildlife refuges, and parks are shown on **Figure 2**.

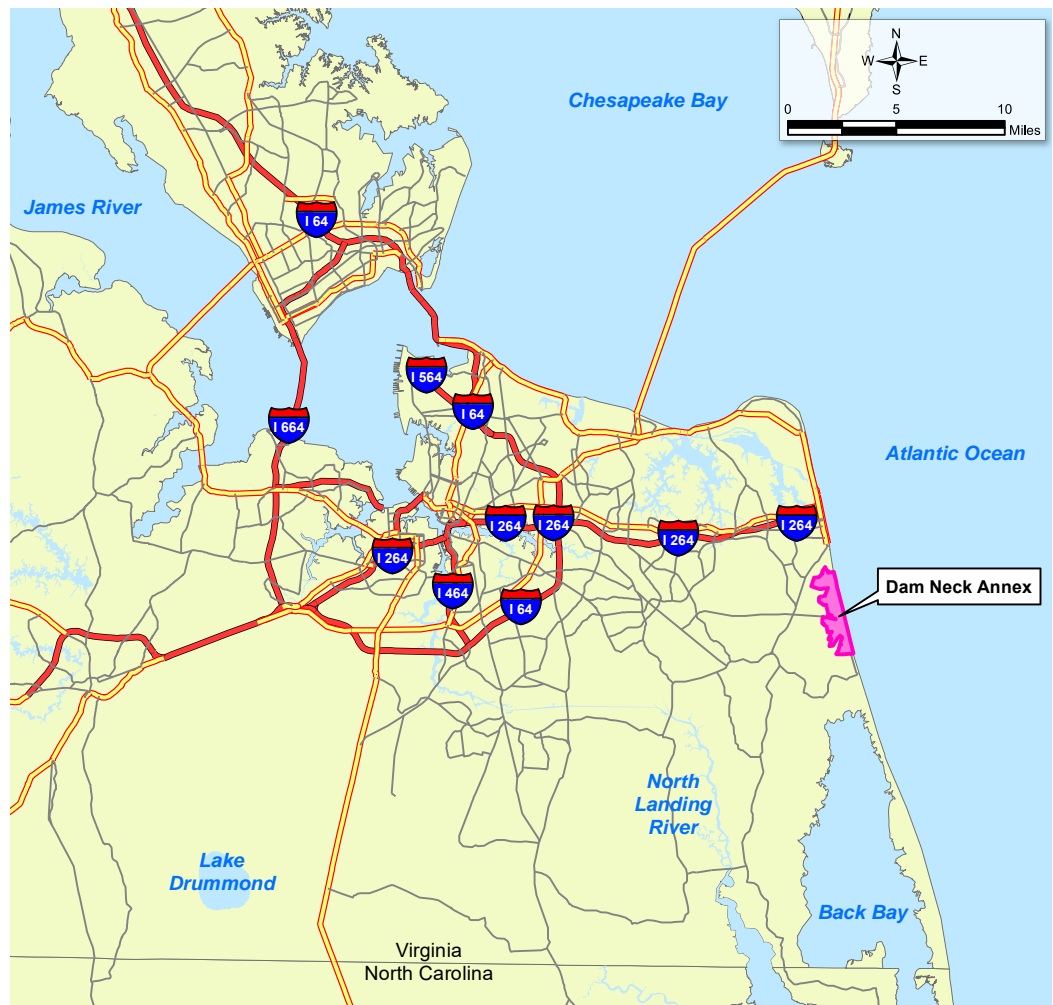
2.1.3. Installation Land Use

Dam Neck Annex is one of three installations falling under the command of NAS Oceana. Dam Neck Annex houses many tenant commands, including various training centers. The training centers include the Training Support Center for Hampton Roads, Distributed Training Center Atlantic, Marine Corps Intelligence Schools, Marine Detachment Dam Neck, Center for Surface Combat Systems Unit, Tactical Training Group Atlantic, and the Maritime Civil Affairs and Security Training Command (NAS Oceana, 2018). Other commands include the Center for Personal and Professional Development serving as central authority for Navy training, the Center for Information Dominance Unit Hampton Roads, Combat Direction Systems Activity Dam Neck, the Maritime Intelligence Fusion Center Atlantic, Navy Expeditionary Intelligence Command, Naval Ocean Processing Facility Dam Neck,



View of the Atlantic Ocean from Dam Neck Annex

**FIGURE 1
NAS OCEANA DAM NECK ANNEX SITE MAP**



and the Naval Education and Training Professional Development and Technology Center. Also located at Dam Neck Annex, the Commander Undersea Surveillance supports anti-submarine warfare command and tactical forces and the Naval Surface Warfare Center provides testing and evaluations (NAS Oceana, 2018).

2.1.4. Medical Facilities

Nearby medical facilities include Sentara Virginia Beach General Hospital and Sentara Princess Anne Hospital, as well as local urgent care facilities and doctors' offices in Virginia Beach. The locations of the hospitals are shown on **Figure 2**.

2.1.5. Schools

In the 2018–2019 school year, the Virginia Beach Public School System, which includes 12 high schools in the city, served a population of approximately 68,624 students (VDE, 2019). The Virginia Beach campuses of East Coast Polytechnic Institute, Regent University, Stratford University, Tidewater Community College, and the Virginia Beach Higher Education Center are located in the City of Virginia Beach and are shown on **Figure 2**.

2.1.6. Drinking Water Sources

Drinking water at Dam Neck Annex and the surrounding properties is supplied by the City of Virginia Beach. Private drinking water wells within the vicinity of Dam Neck Annex have not been identified. The City of Virginia Beach water supply source includes Lake Gaston in Brunswick County, Virginia, and surface water treated at the City of Norfolk Moores Bridges Water Treatment Plant. The City of Norfolk water supply source includes Lake Prince and Western Branch Reservoir in Suffolk and Lake Burnt Mills in Isle of Wight County. Additional sources may be used to supplement the drinking water supply, including four deep wells near the aforementioned lakes, the Blackwater River, the Nottoway River, and additional lakes located in Norfolk and Virginia Beach.

2.1.7. Population

The overall population of Virginia Beach was 437,994 during the 2010 U.S. Census and increased to an estimated 450,189 in 2018 (U.S. Census Bureau, 2019). **Table 1** presents the population data for Virginia Beach compared with the Commonwealth of Virginia.

2.1.8. Employment and Income

NAS Oceana/Dam Neck Annex is a major contributor to the city of Virginia Beach, as one of the largest employers. NAS Oceana/Dam Neck Annex provides a total economic impact of approximately \$2 billion annually (NAS Oceana, 2018). The total direct payroll is nearly \$1 billion annually. Most of this contribution is from NAS Oceana, but together NAS Oceana and Dam Neck Annex employ 15,000 personnel and Dam Neck Annex trains 16,000 students annually.

The unemployment rate in the City of Virginia Beach is approximately the same as the unemployment rate for the Commonwealth of Virginia, as shown on **Table 2** (U.S. Bureau of Labor, 2019).

TABLE 1
U.S. CENSUS POPULATION DATA

	Population 2010	Population 2018 (estimated)	Population Change 2010–2018
Virginia Beach	437,994	450,189	2.8%
Virginia	8,001,024	8,470,020	5.9%

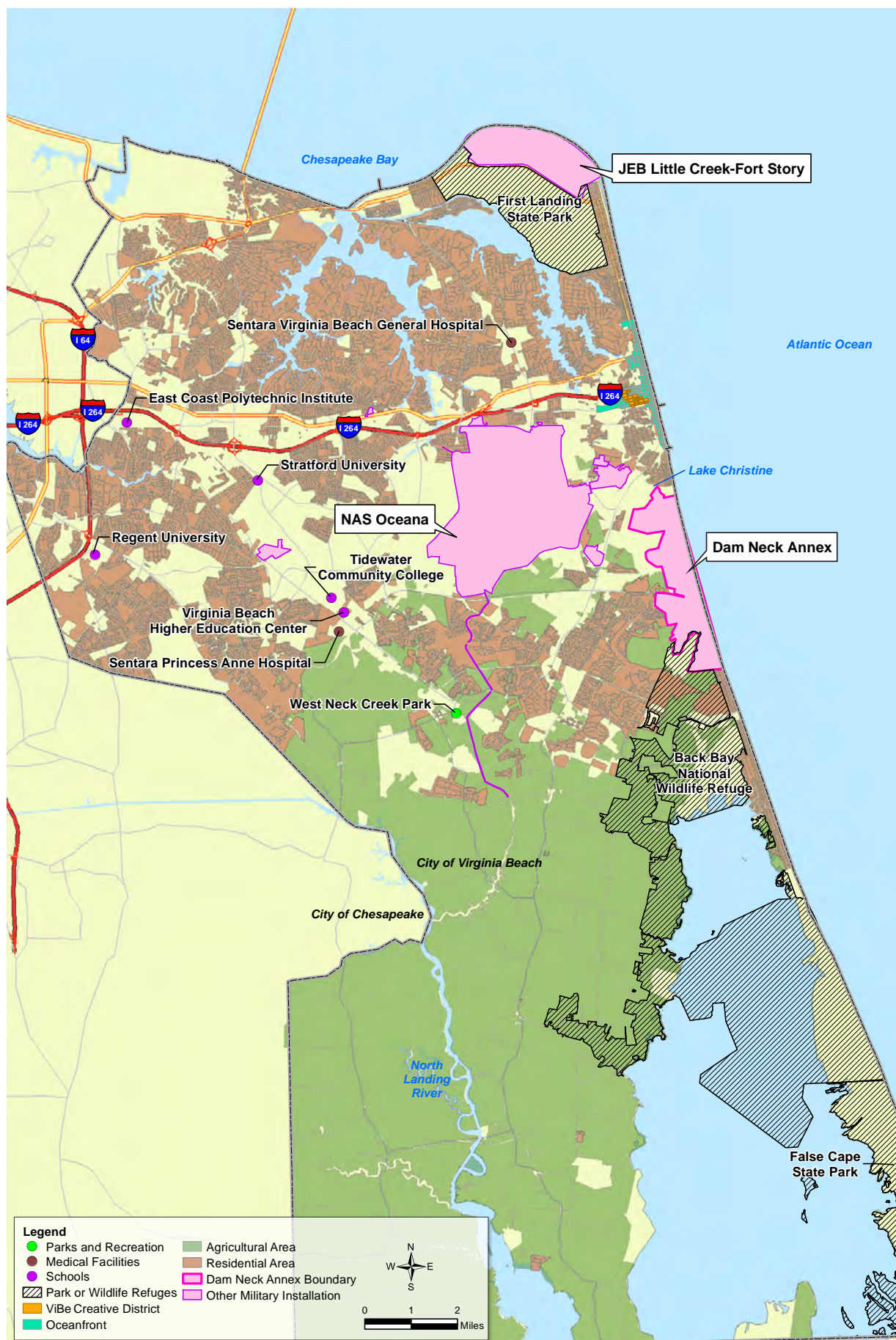
Source: U.S. Census Bureau, 2019.

TABLE 2
UNEMPLOYMENT RATES

	Unemployment Rate January 2010	Unemployment Rate January 2019	Percent Change 2010–2019
Virginia Beach	7.1%	3.1%	-4.0%
Virginia	7.9%	3.2%	-4.7%

Note: Data is not seasonally adjusted.
Source: U.S. Bureau of Labor, 2019.

FIGURE 2
NAS OCEANA DAM NECK ANNEX LOCATION



3. Community Issues, Concerns, and Preferences

This section describes the process for gathering community input, issues, concerns, preferences, and the resulting recommendations.

3.1. History of Community Involvement at Dam Neck Annex

This plan is the first ERP CIP prepared for Dam Neck Annex.

3.2. Previous Community Issues, Concerns, and Preferences

This plan is the first ERP CIP prepared for Dam Neck Annex.

3.3. Process for Gathering Updated Community Input

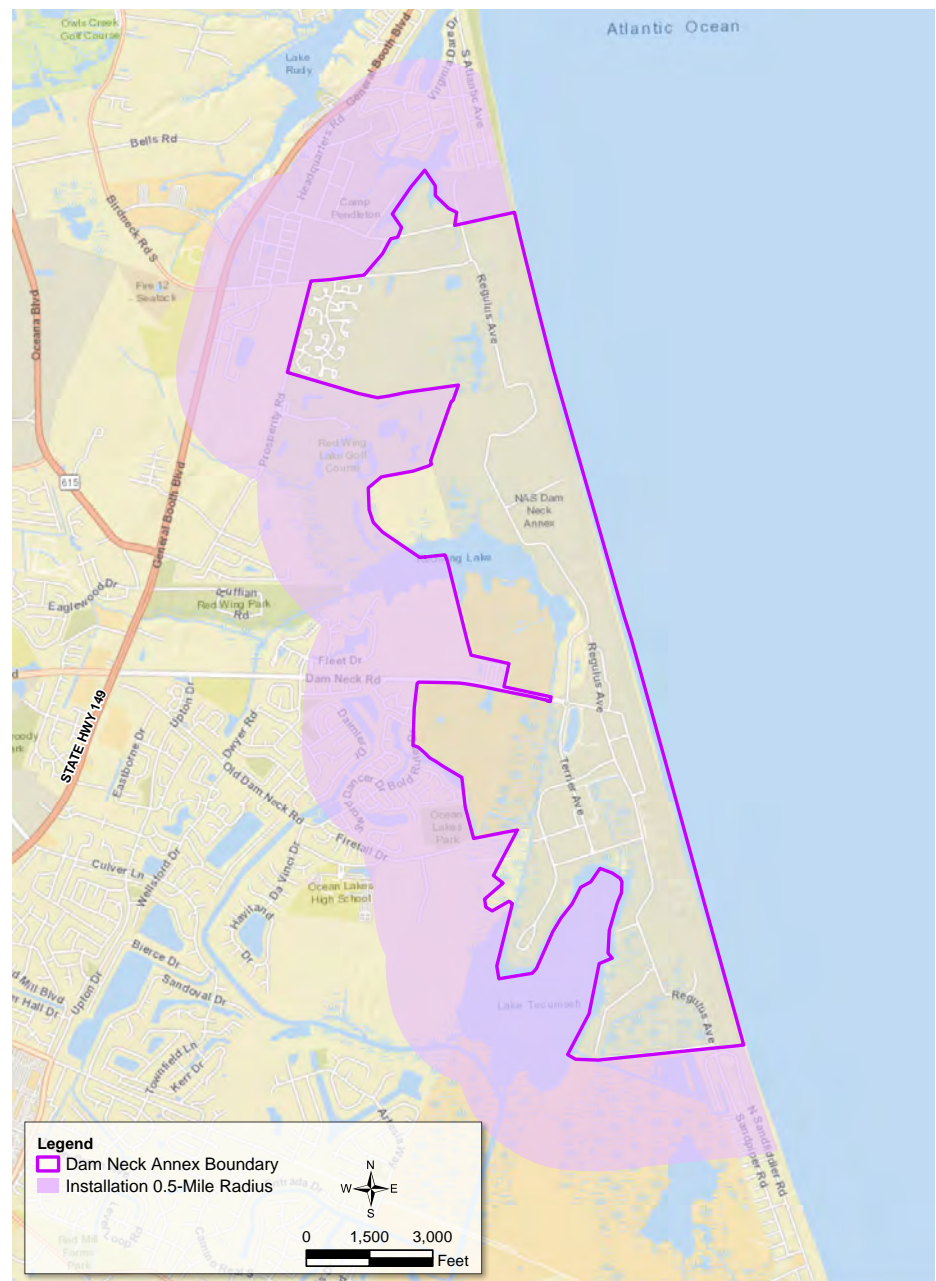
To support this CIP, the Navy focused the information-gathering process on Dam Neck Annex's neighboring communities (using a 0.5-mile radius from the installation). The questionnaires (and fact sheets) were sent to 350 randomly selected addresses within the 0.5-mile radius (**Figure 3**), as well as the key community members included in **Appendix B**.

The questionnaires reached residents, local business owners, retired military, family of retired military, former employees, public/elected officials, and civic/public interest organization representatives. The results of the questionnaires provided valuable data. Recommendations are discussed in the following sections.

3.4. Results of Current Community Interviews and Questionnaires

Although the questionnaire was not designed to provide statistical analysis of the information received, the responses provided valuable data to construct final CIP recommendations specifically related to the community's general awareness, level of concern, and information needs.

FIGURE 3
DAM NECK ANNEX 0.5-MILE RADIUS



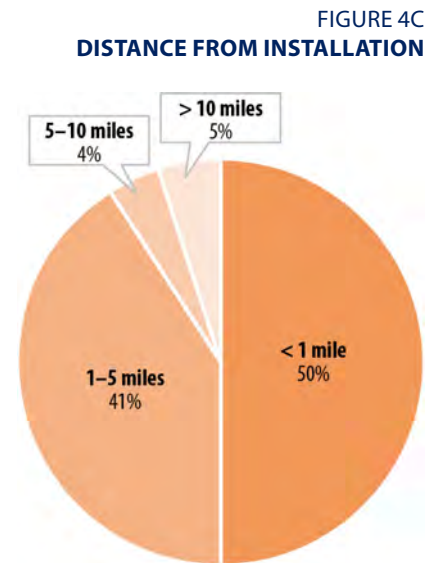
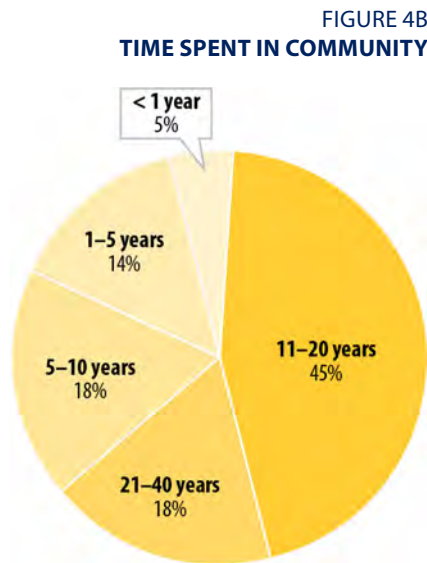
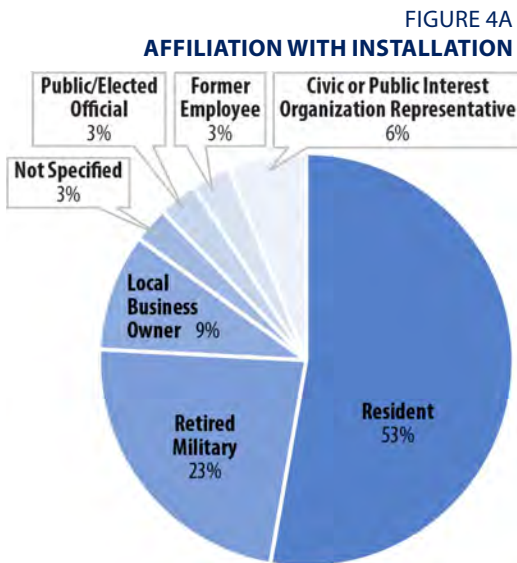
Equipment set up for surveying at Regulus Avenue Landfill, Dam Neck Annex

Twenty-one completed questionnaires provided the following information:

- Most of the respondents were local residents (**Figures 4a–c**).
- All of the respondents had a satisfactory or excellent attitude toward the installation and believed the public did as well.
- Most of the respondents were unable to determine whether or not they believed Dam Neck Annex is fulfilling its responsibility to protect and restore the environment.

The following Issues and concerns related to the ERP were identified in the questionnaire responses:

- More than half of the respondents were concerned to somewhat concerned with environmental issues at Dam Neck Annex, including flooding, drainage into Lake Christine, and the cleanup of unexploded ordnances (**Figure 5**). Lake Christine is shown on **Figure 1**.
- Approximately half of the respondents believe the environmental releases at Dam Neck Annex do affect the surrounding community, with the environment and perception of the surrounding community being the most affected (**Figure 6**).
- Prior to receiving the fact sheet with the questionnaire, most respondents were not aware of ongoing efforts to investigate/ remediate past contamination at Navy facilities, the IRP, or the MRP.



3.5. Recommendations and Communication Preferences

Respondents receive their information from television or *The Virginian-Pilot* and were unaware they could use the NAS Oceana Dam Neck Annex public website to access the Administrative Record. The Administrative Record is a comprehensive record of all documents and resources used to make decisions about the IRP cleanup and is discussed in **Section 4.2.6**. Most respondents were not aware of the location of the information repository, did not feel it was a convenient location, and believed that it should be located closer to the installation and surrounding community.

Respondents indicated they prefer to receive updates regarding environmental restoration activities at Dam Neck Annex on a quarterly basis.

FIGURE 5
CONCERNS FOR ENVIRONMENTAL ISSUES AT DAM NECK ANNEX

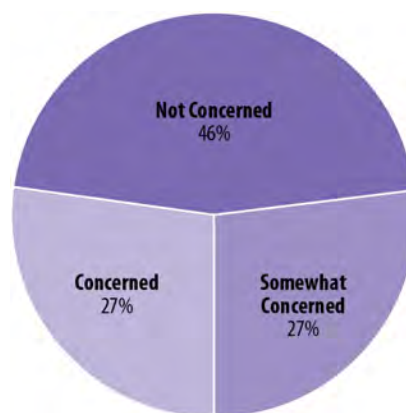
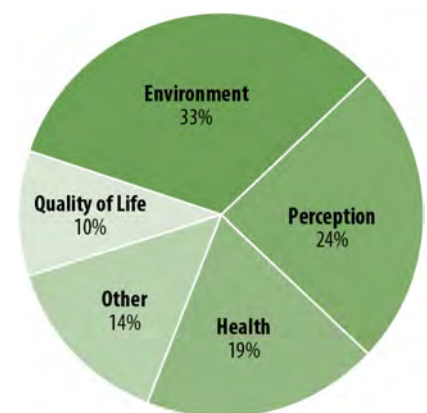


FIGURE 6
HOW ENVIRONMENTAL RELEASES HAVE AFFECTED SURROUNDING COMMUNITY



4. Community Involvement Action Plan

Based on the community's issues, concerns, and preferences described in Section 3, this section describes the specific techniques and activities the installation will use to refine its ongoing ERP communications with the community.

4.1. Goals and Objectives

The Community Involvement Action Plan for Dam Neck Annex is designed to encourage public involvement in the ERP by providing information to the public and media regularly. The action plan is also designed to be flexible so it can be revised as community information needs evolve and change.

Community outreach activities are based on community suggestions and community relations requirements outlined in the *Superfund Community Involvement Handbook* (USEPA, 2002). The activities outlined herein will be conducted, and other activities may be included, at the discretion of the Commanding Officer at NAS Oceana.

The goals and objectives for this CIP are as follows:

- To provide information concerning ongoing environmental restoration actions, major findings, and decisions in a timely manner utilizing the established robust communication channels between Dam Neck Annex, the community, and municipal and Commonwealth leadership.
- To provide a means by which public concerns and information needs can be monitored and addressed throughout the environmental restoration process.
- To provide a mechanism for incorporating public comments into the process in a timely and meaningful way.
- To identify additional individuals and groups that may become interested in one or more sites as environmental work at the installation progresses.



Surveying at Regulus Avenue Landfill, Dam Neck Annex

4.2. Opportunities for Public Involvement

Following is a description of how community involvement activities will be implemented at various steps in the ERP process at NAS Oceana.

4.2.1. Publish Public Notices

Newspapers are an important medium for providing information to communities. Public notices will be issued to provide notice of meetings, the availability of a technical document, or other pertinent information. Public notices are part of the CERCLA process and are generated to announce the availability of some specific technical documents, for example, Proposed Plans. Public notices are published in *The Virginian-Pilot* and *The Beacon*, and an example is provided in **Appendix C**.

4.2.2. Hold Public Meetings

Public meetings are intended to inform the community about ongoing site activities and to discuss and receive feedback from the public on proposed courses of action. Public meetings will be held as required for certain site activities. In addition, informal meetings may be used to keep community groups and citizens informed of site activities.

Additional public meetings will be held as needed, such as for the start of a major investigation or the implementation of a remedial action.

4.2.3. Provide Comment Periods

Public comment periods are held at various points in the environmental cleanup process and are often accompanied by a public meeting. These points include the completion of a Proposed Plan or an Engineering Evaluation and Cost Analysis (EE/CA) and Action Memorandum.

4.2.4. Prepare Responsiveness Summaries

A Responsiveness Summary is prepared following a public comment period to provide decision makers with documentation of the comments received and the Navy's responses to substantive comments. Responsiveness Summaries are included in the Record of Decision (or Action Memorandum) and placed in the information repository and Administrative Record file.

Dam Neck Annex will continue to prepare a Responsiveness Summary or meeting minutes summarizing the comments received during a public comment period, as well as responses to those comments.

4.2.5. Prepare and Distribute Fact Sheets

Fact sheets are produced to inform the public of the status and significant findings of specific cleanup activities. Fact sheets provide detailed information about site history and planned technical activities, and provide updates on schedules and next steps. Fact sheets are available in the Administrative Record and are located in the designated Information Repository. An example fact sheet, which was included with the community questionnaires sent out in 2018, is provided in **Appendix D**.

4.2.6. Maintain the Information Repository and Administrative Record File

Documents in the Information Repository may include:

- CIP
- Site Management Plan
- Remedial Investigation Reports
- EE/CAs
- Proposed Remedial Action Plans
- Records of Decision
- News releases, community notices, public meeting minutes, and fact sheets

While some respondents requested that the location of the information repository be moved, the Navy will continue to maintain an information repository file at the location below, due to differing opinions in the responses provided in the community questionnaires.

Meyera E. Oberndorf Central Library
4100 Virginia Beach Boulevard
Virginia Beach, Virginia 23452
757-385-0150



*Digital Geophysical Mapping
at Dam Neck Annex Site 1*

Documents in the repository are available for public inspection during normal library hours. The repository is accessible to individuals with mobility constraints, has copier facilities, and internet access. Hours of operation are as follows:

Monday–Thursday	10:00 a.m. to 9:00 p.m.
Friday–Saturday	10:00 a.m. to 5:00 p.m.
Sunday	1:00 p.m. to 5:00 p.m. (1st Sunday after Labor Day – Sunday before Memorial Day Weekend)

Navy officials will announce additions to the Administrative Record when public notices or press releases are issued. The notification will include the title of the item and the date it was placed in the Administrative Record. The Administrative Record is available in the Information Repository and online at:

https://www.navfac.navy.mil/products_and_services/ev/products_and_services/env_restoration/administrative_records.html?p_instln_id=OCEANA_NAS

4.2.7. Publicize Points of Contact

The point of contact (POC) for the community involvement program is responsible for distributing information about the environmental restoration work at Dam Neck Annex. The POC for information about the ERP is the NAS Oceana Dam Neck Annex Remedial Project Manager. Key POCs and their roles are included in Table 3.

4.2.8. Conduct Community Interviews and Update the Community Involvement Plan

United States Environmental Protection Agency community involvement guidance states that CIPs are required to be updated every five years (USEPA, 2019). This CIP will be updated again in 2024 or earlier if necessary.

4.2.9. Provide Up-to-Date Information on the Internet

The objective of providing up-to-date information on the internet is to enable community members to access accurate, timely, and comprehensive information on ERP activities at Dam Neck Annex on their own time and at minimal expense.

The Navy will continue to maintain a public website for the ERP at Dam Neck Annex. The website is currently maintained at the following location:

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

All public notices and fact sheets will include the address of the ERP website. The website will include a link to the Administrative Record and provide web links to additional environmental resources. Documents that are available for public comment, such as EE/CAs and Proposed Plans, will be made available as .pdf files for download through the website and will clearly identify information about the public comment period. The website also includes a description of each active environmental restoration site. While the majority of respondents were interested in quarterly updates, based upon installation activity, semiannual updates will be provided. However, interim updates will occur when there is a significant action (e.g., Proposed Plans and EE/CAs are available for public review and POCs change).

4.2.10. Maintain a Contact List of Interested Parties

The objective is to facilitate the distribution of information about the ERP at Dam Neck Annex to stakeholders.

The Navy will continue to maintain a contact list to inform stakeholders of ERP activities at Dam Neck Annex. Contacts included on the list will receive notification of public meetings and changes in the designated Navy POCs by regular mail and email.

The Navy will update the contact list as requests for inclusion on the list are received. Community members can request to be added to the contact list by contacting the Public Affairs Officer or Navy Remedial Project Manager identified in Table 3.

TABLE 3
KEY NAVY POINTS OF CONTACT

Primary contact for:	Current Contact Information
<ul style="list-style-type: none">Questions about Dam Neck Annex in general	Commander, Navy Region Mid-Atlantic Public Affairs Officer Elizabeth Baker (757) 322-2853 elizabeth.m.baker1@navy.mil
<ul style="list-style-type: none">Questions and concerns about Dam Neck Annex’s ERPRequests for documents related to the Dam Neck Annex ERP or to provide public comment during a public comment periodQuestions about accessing the Administrative Record File	Dam Neck Annex Remedial Project Manager Jillian Wheeler (757) 341-0485 jillian.wheeler@navy.mil

5. The Installation

This section describes Dam Neck's history and mission, its environmental history, and the regulatory framework and steps for environmental restoration.

5.1. History and Mission

5.1.1. Installation History

Dam Neck Annex was established in November 1941 as a training center and the Anti-Aircraft Range, Norfolk at Dam Neck (Malcolm Pirnie, 2008). Located on undeveloped land south of Dam Neck Road, the installation originally had a firing line, one control tower, one magazine, one office, and one shop, and was commissioned as The Anti-Aircraft Training and Test Center in April 1942. During 1942, the installation expanded for rifle and pistol training ranges. The purpose of this installation initially was to train fleet personnel in the operation of 20- and 40-millimeter anti-aircraft guns.

The installation continued to expand through 1960 as administrative and training facilities were constructed. In the 1980s, five new tenant commands were constructed. Dam Neck Annex became part of NAS Oceana in 1998 and the Navy obtained an additional 133 acres of land north of Dam Neck Road to expand to the installation. Another expansion occurred in 1996 with the addition of agricultural land south of Dam Neck Road to establish a buffer zone to non-military development. In 2007, Dam Neck Annex acquired additional land to the north of the installation, known as the Land Buffer Parcel.

5.1.2. Mission

The current mission of Dam Neck Annex is to provide force-level engineering solutions, mission-critical and associated testing, and training technologies for the maritime, joint, special warfare, and information operations domains.

5.2. Environmental History

Dam Neck Annex's history and mission have required the use, handling, storage, and disposal of hazardous materials and petroleum products, including paints, solvents, degreasers, waste oil, fuels, pesticides/herbicides, and household products, as well as landfilling and wastewater treatment operations. The use and disposal of munitions also occurred at Dam Neck Annex. In the past, few (if any) regulations guided activities at the installation, or elsewhere, and little was known about the long-term effects of hazardous materials on human health and the environment. Prior to the 1980s, hazardous materials came into contact with the environment through accidental spills, leaks, and conventional waste disposal practices. These occurrences may have resulted in conditions that do not meet today's stricter and more comprehensive environmental standards.

Currently, all hazardous materials and wastes generated at Dam Neck Annex are managed in accordance with state and federal regulations and are disposed of or recycled offsite at licensed waste disposal facilities. Past releases to the environment are being addressed by the Navy's ERP. The Navy's focus on cleanup of historical contaminant releases and preventing future releases enables the Navy to reduce any adverse effects or potential threat to the public health, public welfare, or the environment.



Sailors stand at ease alongside the Trained Sailor monument at Dam Neck Annex



Soil sampling at Regulus Avenue Landfill, Dam Neck Annex



Sailors participating in a military ceremony at Dam Neck Annex



Monitoring well installation at Regulus Avenue Landfill, Dam Neck Annex

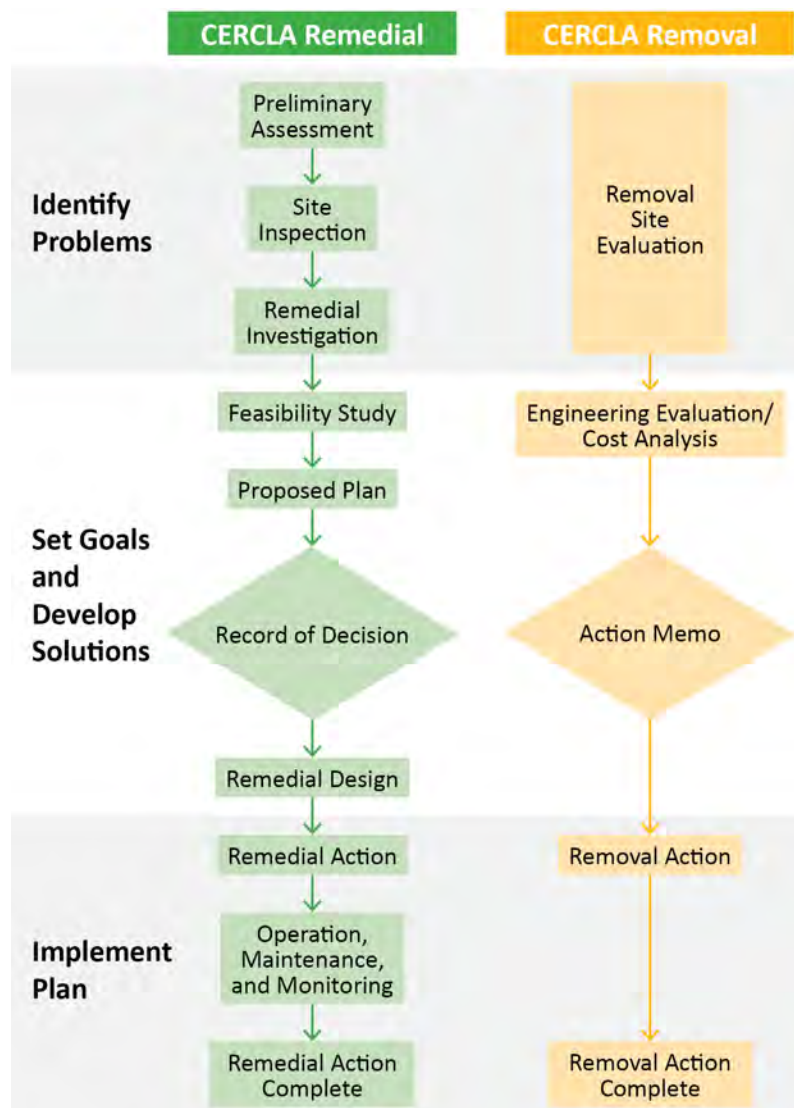
5.3. Regulatory Framework

The Navy identified possible environmental contamination caused by operations at the installation, prior to state and federal environmental regulatory involvement. Three initial investigations were conducted: Initial Assessment Study (Rogers, Golden, & Halpern, 1984), Final Round 1 Verification Study (CH2M, 1986), and Site Inspection Study (Ebasco, 1991). These reports are available for viewing on the public website. All investigations and documents in the Dam Neck Annex IRP have been completed in accordance with the CERCLA site management process (**Figure 7**).



Kiosk providing information about the potential presence of munitions at the dunes at Dam Neck Annex

FIGURE 7
REGULATORY FRAMEWORK



5.4. Site Status

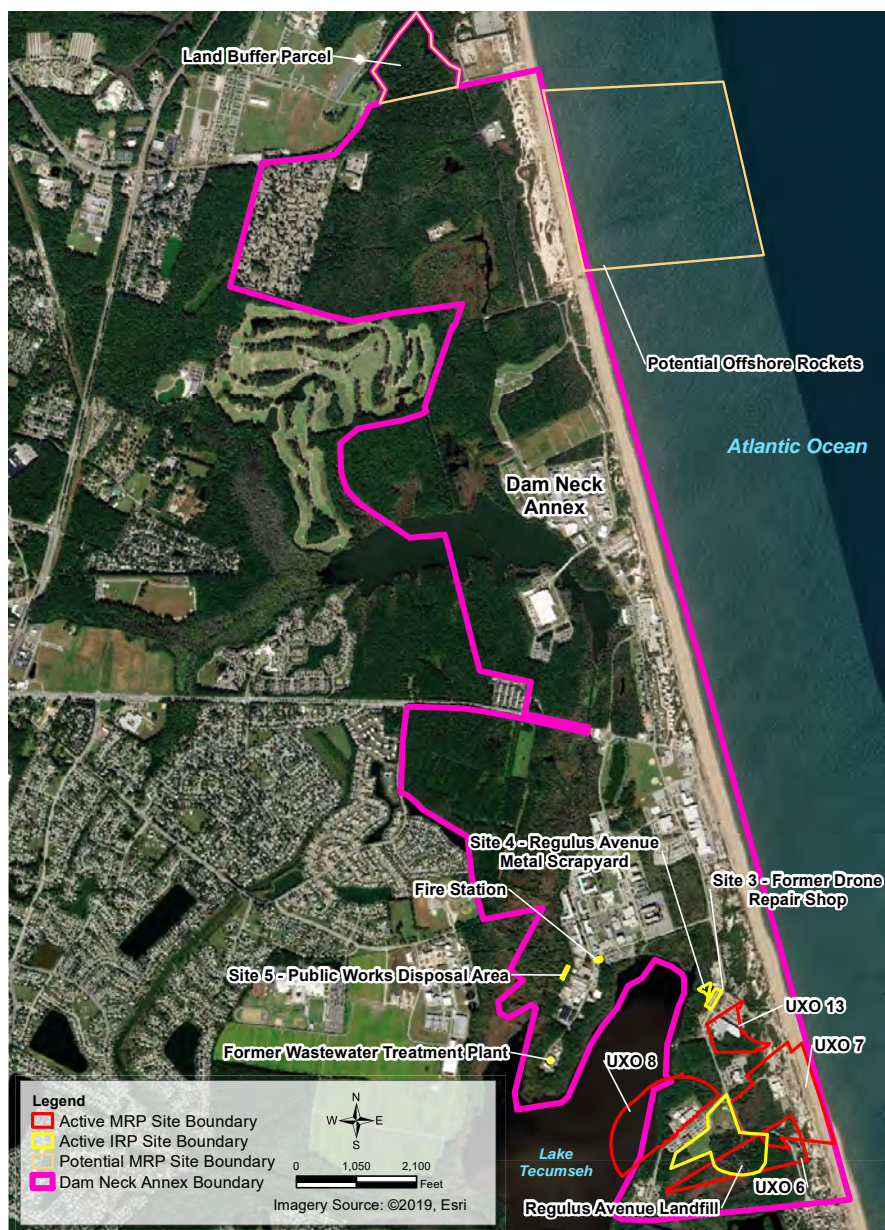
Dam Neck Annex has ten active ERP sites and three potential ERP sites. Six of these sites are active IRP sites and the remaining seven are MRP sites, four of which are active and three of which are potential sites. These sites are listed in **Table 4** and shown on **Figure 8**.

TABLE 4
ACTIVE AND POTENTIAL ERP SITES

Active IRP Sites	Active MRP Sites	Potential MRP Sites
Site 1 – Regulus Avenue Landfill	UXO 6 – Mortar Impact Area	Land Buffer Parcel
Site 3 – Drone Repair Shop	UXO 7 – Moving Target/Mortar Range (South)	Potential Offshore Rockets
Site 4 – Regulus Avenue Metal Scrapyard	UXO 8 – Skeet and Trap Range	Lake Tecumseh*
Site 5 – Public Works Disposal Area	UXO 13 – Moving Target/Mortar Range (North)	
Fire Station		
Former Wastewater Treatment Plant		

* Site boundary has not yet been established.

FIGURE 8
NAS OCEANA DAM NECK ANNEX SITES



6. References

- CH2M HILL, Inc. (CH2M). 1986. *Final Progress Report Round 1 Verification Step, Naval Air Station Oceana, Virginia Beach, Virginia*.
- Ebasco. 1991. *Draft Final Site Inspection Report, Fleet Combat Training Center, Dam Neck, Virginia Beach, Virginia*.
- Malcolm Pirnie. 2008. *Final Preliminary Assessment, NAS Oceana, Dam Neck Annex, and Naval Auxiliary Landing Field Fentress, Virginia Beach, Virginia*.
- Naval Air Support (NAS) Oceana. 2018. *Naval Air Station Oceana Base Guide and Telephone Directory*. MARCOA Publishing, Inc. San Diego, California.
- Rogers, Golden, & Halpern. 1984. *Initial Assessment Study, Fleet Combat Training Center Atlantic, Dam Neck, Virginia Beach, Virginia*.
- United States Bureau of Labor (U.S. Bureau of Labor). 2019. *Bureau of Labor Statistics Databases, Tables, & Calculators by Subject*. Accessed May 23, 2019. <https://www.bls.gov/>.
- United States Census Bureau (U.S. Census Bureau). 2019. *QuickFacts Virginia; Virginia Beach City, Virginia (County)*. Accessed May 23, 2019. <https://www.census.gov/quickfacts/fact/table/virginiabeachcityvirginiacounty,va/PST045218>.
- United States Environmental Protection Agency (USEPA). 2002. *Superfund Community Involvement Handbook*. EPA 540-K-01-003.
- USEPA. 2019. *Community Involvement Toolkit*. Accessed May 23, 2019. <https://www.epa.gov/superfund/superfund-community-involvement-tools-and-resources>.
- Virginia Department of Education (VDE). 2019. *School Quality Profiles*. Accessed May 23, 2019. <http://schoolquality.virginia.gov/divisions/virginia-beach-city-public-schools>.



Ribbon cutting ceremony at Dam Neck Annex

Appendix A

Example Community Questionnaire

Dam Neck Annex Community Involvement Plan





2018 Community Questionnaire for the Environmental Restoration Program

Dam Neck Annex, Virginia Beach, Virginia

Community Involvement Plan

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

To gauge community awareness of the Environmental Restoration Program (ERP) at Dam Neck Annex, Virginia Beach, Virginia, we ask you to complete this questionnaire. Your responses help us understand the community's concerns and information needs related to environmental investigation and restoration at the base.

Your responses to this questionnaire will be kept anonymous to the extent permissible by law, and will help us develop a Community Involvement Plan. This plan describes how Dam Neck Annex will communicate on-base environmental investigation and restoration activities with the community, and provides an opportunity for the public to be involved in the decision-making process.

WEBSITE <https://go.usa.gov/DyRi> (case sensitive)

If you would like additional information about the ERP at Dam Neck Annex, including specific information about each active site, please visit the website listed above. If you have questions about the ERP at Dam Neck Annex or this fact sheet, please contact Angela Jones, Remedial Project Manager at 757-341-0485 or e-mail angela.jones1@navy.mil. For other questions regarding Dam Neck Annex, contact Jennifer Hayes, NAS Oceana/Dam Neck Annex Public Affairs Officer, at 757-433-3131 or e-mail jennifer.hayes@navy.mil.

Thank you for your participation!

The personal information below is OPTIONAL, but is requested so we can describe generally the types of people who provided input to the Community Involvement Plan (for example: 10 local residents, 5 business owners, etc.) and so we can add your name to a mailing list if requested. At a minimum, please provide your zip code.	
Name:	
Address:	Zip Code:
Organization:	
Phone (W):	Phone (H):
E-mail:	
How would you describe your "affiliation" with Dam Neck Annex? (check all that apply)	
<input type="checkbox"/> Employee Working Within Dam Neck Annex	<input type="checkbox"/> Former Employee Working Within Dam Neck Annex
<input type="checkbox"/> Retired Military	<input type="checkbox"/> Local Business Owner
<input type="checkbox"/> Homeowners Association Representative	<input type="checkbox"/> Local Resident
<input type="checkbox"/> Civic or Public Interest Organization Representative	<input type="checkbox"/> Public or Elected Official
<input type="checkbox"/> Other (please describe):	

Please return this survey by December 10, 2018. Scan/email, or mail to:

Ms. Angela Jones, P.E.
NAVFAC Mid-Atlantic
9742 Maryland Ave., Bldg N-26
Room 3208
Norfolk, VA 23511

Telephone: 757-341-0485 ▪ Email: angela.jones1@navy.mil

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

Community Involvement Plan Questionnaire – NAS Oceana Dam Neck Annex

1.	a. How long have you lived or worked in this community? <input type="checkbox"/> < 1 Year _____ Years		
	b. How far do you live or work from Dam Neck Annex? <input type="checkbox"/> < 1 Mile <input type="checkbox"/> 1–5 Miles <input type="checkbox"/> 5–10 Miles <input type="checkbox"/> > 10 Miles 		
2.	On a scale of 1 to 5, with 1 being Poor and 5 being Excellent, how would you rank Dam Neck Annex's relationship with the surrounding community?		
	a. Trusting Relationship	c. Involved in the Community	
	b. Open Communication	d. Concerned for the Environment	
3.	a. How would you rate <u>the public's</u> attitude toward Dam Neck Annex?		<input type="checkbox"/> Excellent <input type="checkbox"/> Satisfactory <input type="checkbox"/> Poor
	b. How would you rate <u>your</u> attitude toward Dam Neck Annex?		<input type="checkbox"/> Excellent <input type="checkbox"/> Satisfactory <input type="checkbox"/> Poor
4.	a. Are you concerned about any environmental issues at Dam Neck Annex? <input type="checkbox"/> Yes <input type="checkbox"/> Somewhat <input type="checkbox"/> No		
	b. If yes, what issues? _____		
5.	a. Based on facts, figures and data, do you think environmental releases at Dam Neck Annex have affected the surrounding community? <input type="checkbox"/> Yes <input type="checkbox"/> No		
	b. If yes, in what ways? (check all that apply)		
	<input type="checkbox"/> Health <input type="checkbox"/> Economic Loss <input type="checkbox"/> Perception of the Community <input type="checkbox"/> Environment		
	<input type="checkbox"/> Quality of Life <input type="checkbox"/> Other (please explain): _____		
	c. If yes, please explain what information led you to answer in this way? _____ _____ _____		
6.	a. Do you feel Dam Neck Annex is fulfilling its responsibility to protect and restore the environment?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't Know
	b. Do you think the environmental restoration program (as presented in the attached fact sheet) when completed, will protect human health and the environment?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't Know
7.	Before you received the fact sheet included with this questionnaire, were you aware of:		
	a. Ongoing efforts to investigate and remediate past contamination at U.S. Navy facilities?		<input type="checkbox"/> Yes <input type="checkbox"/> No
	b. The Dam Neck Annex Environmental Restoration Program		<input type="checkbox"/> Yes <input type="checkbox"/> No
	If yes, what is your understanding of the program? (please explain) _____ _____		

Community Involvement Plan Questionnaire – NAS Oceana Dam Neck Annex

8.	Do you think the U.S. Navy, United States Environmental Protection Agency (USEPA), and Virginia Department of Environmental Quality (VDEQ) are viewed as trustworthy sources of information about the environmental restoration at Dam Neck Annex?	U.S. Navy:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Not Sure
		USEPA:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Not Sure
		VDEQ:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Not Sure

9.	a. Have you talked with any U.S. Navy, USEPA, or VDEQ officials about the environmental cleanup at Dam Neck Annex?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
	If yes, which officials? _____		
	b. If you had a question or comment about the environmental restoration program at Dam Neck Annex, who would you contact?	<input type="checkbox"/> Yes	<input type="checkbox"/> No

10. How do you typically receive information about local news and events? (select all that apply)

☐ The *Virginian-Pilot* ☐ Television ☐ Radio ☐ Website ☐ Other: _____

If TV or radio, which stations? _____

If a website, which site? _____

11.	a. Are you aware of the Dam Neck Annex information repository at the Virginia Beach Meyera E. Oberndorf Central Library which includes a reference collection of general and NAS Oceana IRP site information?		<input type="checkbox"/> Yes	<input type="checkbox"/> No
	b. <i>If yes</i> , have you made use of this resource?	<input type="checkbox"/> Yes <input type="checkbox"/> No	c. Do you feel this is a convenient location?	<input type="checkbox"/> Yes <input type="checkbox"/> No
d. <i>If no</i> , where would you prefer it to be? _____				

12.	a. Are you aware that you can utilize the Dam Neck Annex/NAS Oceana public website to access the Administrative Record? The Administrative Record is a comprehensive record of all documents and resources used to make decisions about the IRP cleanup.	<input type="checkbox"/> Yes <input type="checkbox"/> No
	b. <i>If yes</i> , have you made use of this resource?	<input type="checkbox"/> Yes <input type="checkbox"/> No

13. How often would you like to receive updates regarding environmental restoration activities at Dam Neck Annex?

☐ Monthly ☐ Quarterly ☐ Biannually ☐ Annually

The collective responses received will be used to develop a schedule for updating the public.

Community Involvement Plan Questionnaire – NAS Oceana Dam Neck Annex

14.	<p>Do you have any other comments or suggestions for the Dam Neck Annex environmental restoration team? Please note if you would like to remain informed of ongoing Environmental Remediation Program (ERP) activities at Dam Neck Annex.</p>
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Appendix B

Key Community Contacts

Dam Neck Annex Community Involvement Plan



VIRGINIA BEACH DEPARTMENT OF ECONOMIC DEVELOPMENT
4525 MAIN ST STE 700
VIRGINIA BEACH VA 23462
ATTN OLUCC MEMBERSHIP

CONGRESSWOMAN ELAINE LURIA
283 CONSTITUTION DRIVE
ONE COLUMBUS CENTER, SUITE 900
VIRGINIA BEACH VA 23462

SENATOR WILLIAM DESTEPH
588 CENTRAL DR
VIRGINIA BEACH VA 23454

DELEGATE BARRY KNIGHT
1852 MILL LANDING RD
VIRGINIA BEACH VA 23457

VIRGINIA AQUARIUM & MARINE SCIENCE CENTER
717 GENERAL BOOTH BLVD
VIRGINIA BEACH VA 23451
ATTN CYNTHIA WHITBREF-SPANOULIS

CAMP PENDLETON STATE MILITARY RESERVATION
203 RED HORSE DR
VIRGINIA BEACH VA 23451
ATTN LTC TIMOTHY PILLION, POST COMMANDER

HAMPTON ROADS SANITATION DISTRICT
1434 AIR RAIL AVE
VIRGINIA BEACH VA 23455
ATTN JOHN J DANO PE

SEATAK COMMUNITY CIVIC LEAGUE
PO BOX 4252
VIRGINIA BEACH VA 23454

ATTN GEORGE MINNS
SCARBOROUGH SQUARE CIVIC LEAGUE
3328 SCARBOROUGH WAY
VIRGINIA BEACH VA 23453
ATTN M. LYN HENRY

LAMPLIGHT MANOR CIVIC LEAGUE
2929 AUGUSTA CIRCLE
VIRGINIA BEACH VA 23453
ATTN JOE CONNER

Appendix C

Example Public Notice

Dam Neck Annex Community Involvement Plan





PUBLIC NOTICE

Time-Critical Removal Action - June 2018 Dam Neck Annex, Virginia Beach

The Department of the Navy, in cooperation with the Virginia Department of Environmental Quality (VDEQ), plans to install information kiosks and explosive hazard warning signs to inform the public using the Dam Neck Annex beach about potential explosive hazards at three munitions response sites located in the southeastern portion of Dam Neck Annex. This work is expected to be completed by July 2018.

Moving Target Mortar Range-South (MTMR-S) and Moving Target Mortar Range-North (MTMR-N) were used as small arms firing and moving target mortar ranges in the 1940s and 1950s. Based on range boundaries and period of use, probable munitions used at the sites include .30 and .50 caliber small arms ammunition items and 60- and 81-millimeter mortars. The Mortar Impact Area (MIA) was identified on a 1950 archival map. The exact use of the MIA for munitions training is unknown.

For More Information

The "Action Memorandum for a Time Critical Removal Action Moving Target Mortar Range - South, Moving Target Mortar Range - North, and Mortar Impact Area" document and others related to the sites can be found and reviewed at the Virginia Beach Central Library, 4100 Virginia Beach Blvd., Virginia Beach, Virginia 23452, Phone: (757) 431-3001.

For additional information, contact

Ms. Angela Jones
Naval Facilities Engineering Command Midlant
9742 Maryland Avenue
Norfolk, VA 23511-5018
angela.jones1@navy.mil
Phone: (757) 341-0485

VP 25668188A

Appendix D

Example Fact Sheet

Dam Neck Annex Community Involvement Plan



NAVAL AIR STATION OCEANA DAM NECK ANNEX

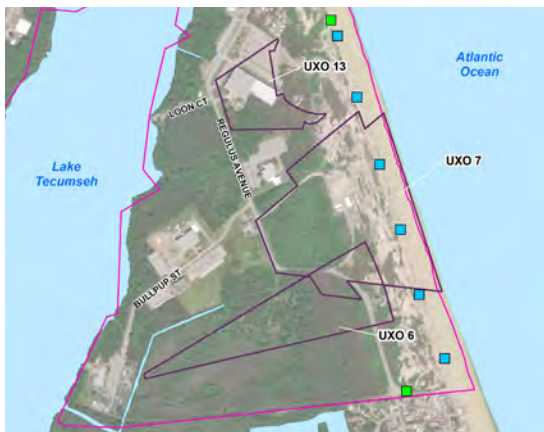
Environmental Restoration Program

2018 Environmental Restoration Success Story

EXPLOSIVE HAZARD WARNING SIGNS AND INFORMATIONAL KIOSKS

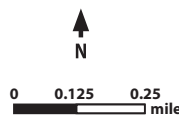
Three former mortar ranges used in the 1940s and 1950s are adjacent to a well-used beach. Munitions at these former ranges included .30- and .50-caliber small arms ammunition and 60- and 80-mm mortars. Munitions have an explosive hazard and may remain unexploded on or under the ground surface. These ranges are currently part of the cleanup associated with the Navy's Munitions Response Program (MRP).

STATUS: A Time-Critical Removal Action (TCRA) was implemented in June 2018 to establish land use controls (LUCs) in the form of explosive hazard warning signs and informational kiosks. LUCs were established to deter access within these former ranges and educate people using the nearby beach about the hazards associated with munitions while the three MRP sites continue through the remainder of the full CERCLA process. Since this TCRA is only an interim removal action, the full CERCLA process will continue to evaluate the nature and extent of contamination, potential risks to human health and the environment, and remedial alternatives for each site.



Legend

- Dam Neck Annex boundary
- MRP site boundary
- Hazard warning sign
- Informational kiosk



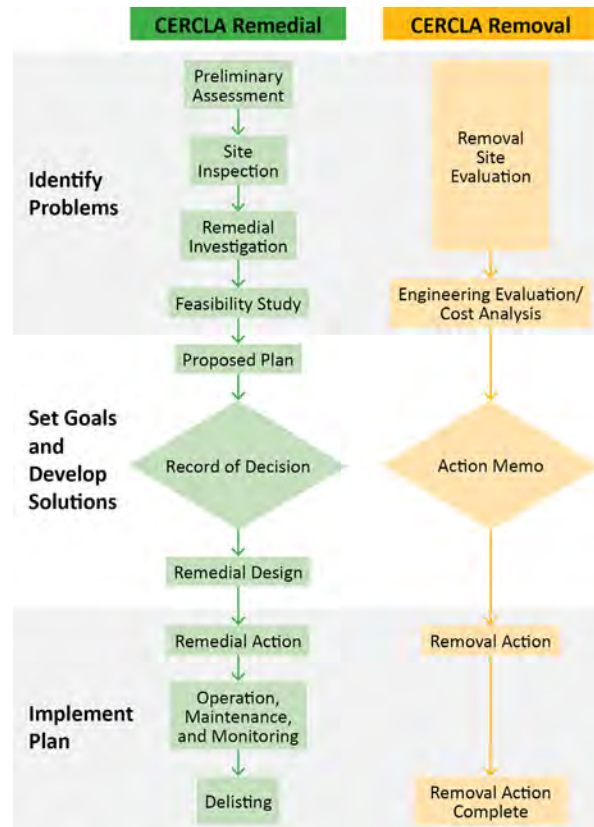
Environmental Restoration

CLEAN. PROTECT. RESTORE.

This brochure has been created as part of the Navy's Environmental Restoration community outreach program. The Navy provides the public with information on the ERP at Dam Neck Annex and other Navy facilities. To facilitate community outreach, the Navy ERP focuses on communicating how the Navy, USEPA, and states work together to restore areas where former Navy operations have caused environmental contamination.

DAM NECK ANNEX ENVIRONMENTAL INVESTIGATION PROCESS

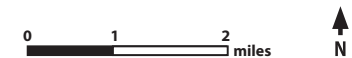
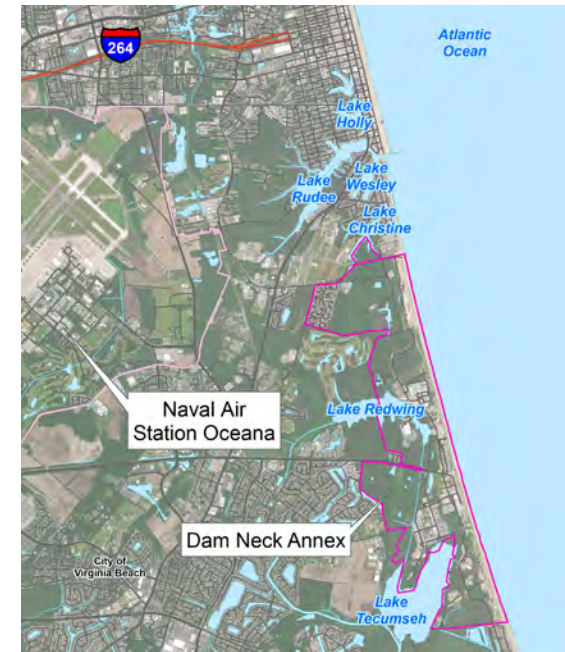
Under the CERCLA process, investigations and restoration of contaminated sites are conducted through the following steps:



NAVAL AIR STATION OCEANA DAM NECK ANNEX

Virginia Beach, Virginia

Environmental Restoration Program



This fact sheet provides information on environmental investigation and restoration activities at Naval Air Station (NAS) Oceana Dam Neck Annex.

If you would like additional information about the Environmental Restoration Program (ERP) at Dam Neck Annex, contact Angela Jones, Remedial Project Manager, at 757-341-0485 or e-mail angela.jones1@navy.mil.

For other questions regarding Dam Neck Annex, contact Jennifer Hayes, NAS Oceana/Dam Neck Annex Public Affairs Officer, at 757-433-3131 or e-mail jennifer.hayes@navy.mil.

FOR MORE INFORMATION

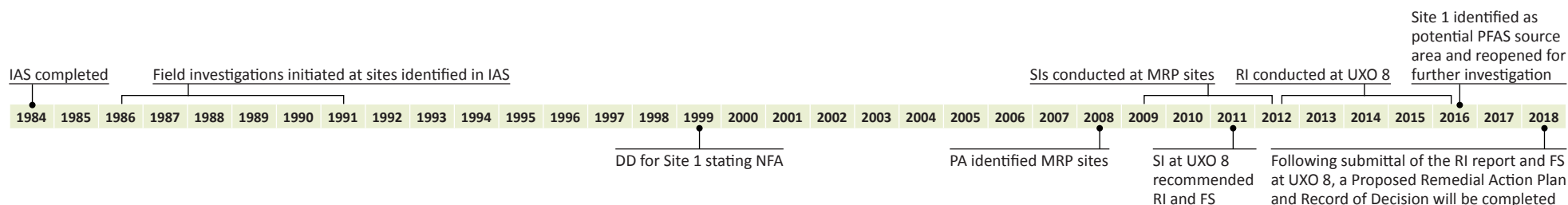
<https://go.usa.gov/DyRj>

NAS Oceana Information Repository –
Meyera E. Oberndorf Central Library | Virginia Beach

NAVAL AIR STATION OCEANA DAM NECK ANNEX Environmental Restoration Program (ERP)

Dam Neck Annex is approximately 3 miles southeast of NAS Oceana, in Virginia Beach, and covers approximately 1,800 acres. Dam Neck Annex was an anti-aircraft gunnery range where fleet personnel were trained in the operation of 20- and 40-mm anti-aircraft guns. The current mission of this installation is to provide force-level engineering solutions, mission-critical and associated testing, and training technologies for the maritime, joint, special warfare, and information operations domains.

ENVIRONMENTAL RESTORATION HISTORY AND HIGHLIGHTS – The ERP was established to address releases of hazardous substances, pollutants, contaminants, and military munitions at military installations. To manage the ERP process, Dam Neck Annex works in partnership with the Virginia Department of Environmental Quality using the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) process.



ENVIRONMENTAL RESTORATION PROGRAM SITES

Active ERP sites at Dam Neck Annex (see figure) include the following:

Active Installation Restoration Program Sites

- Site 1 – Regulus Avenue Landfill
- Fire House – including installation-wide PFAS investigation*

Munitions Response Program Sites

- UXO 6 – Dam Neck Annex Mortar Impact Area
- UXO 7 – Dam Neck Annex Moving Target/ Mortar Range (South)
- UXO 8 – Dam Neck Annex Skeet and Trap Range
- UXO 13 – Dam Neck Annex Moving Target/ Mortar Range (North)

* PFAS are compounds with heat-resistant properties that were used in some formulations of AFFF (fire fighting foam). Two of these compounds, PFOS and PFOA, were present in AFFF used by the Navy. See the following website for more detail: <http://www.secnv.navy.mil/eie/Pages/PFC-PFAS.aspx>.



Legend

- Dam Neck Annex boundary
- Active ERP site boundary
- Active MRP site boundary



AFFF	aqueous film forming foam
DD	Decision Document
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
ERP	Environmental Restoration Program
FS	Feasibility Study
IAS	Initial Assessment Study
IRP	Installation Restoration Program
LUCs	land use controls
NAS	Naval Air Station
NFA	No Further Action
mm	millimeter(s)
MRP	Munitions Response Program
PA	Preliminary Assessment
PFAS	per- and polyfluoroalkyl substance(s)
PFOA	perfluorooctanoic acid
PFOS	perfluorooctane sulfonate
RI	Remedial Investigation
SI	Site Inspection
TCRA	Time-Critical Removal Action
USEPA	United States Environmental Protection Agency
UXO	unexploded ordnance