

FINAL Community Involvement Plan Update

Naval Weapons Station Yorktown, Yorktown, Virginia
and
Naval Weapons Station Yorktown Cheatham Annex, Williamsburg, Virginia

August 2021



Prepared by

ch2m.





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August 2021

Prepared for
NAVFAC Mid-Atlantic



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Prepared by
CH2M HILL, Inc.

Community Involvement Plan Organization

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*Cover and margin photo sources: CH2M, except
pp. ii-3: Navy/Mass Communication Specialist 2nd Class Sean Rinner;
pp. 19-24: Navy/Mass Communication Specialist 2nd Class Benjamin Woody; and
pp. 25-29: Navy/Mass Communication Specialist 2nd Class Sean Rinner.*



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 shown in this box.** Other acronyms are provided for informational purposes but are not repeated throughout the document.

Acronym	Definition
AOC	Area of Concern
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CAX	Cheatham Annex
CIP	Community Involvement Plan
DoD	Department of Defense
ERP	Environmental Restoration Program
FFA	Federal Facility Agreement
IAS	Initial Assessment Study
IRP	Installation Restoration Program
MC	Munitions Constituents
MEC	Munitions and Explosives of Concern
MRP	Munitions Response Program
NACIP	Navy Assessment and Control of Installation Pollutants
NAVFAC	Naval Facilities Engineering Command
NFA	No Further Action
NPL	National Priorities List
NWS	Naval Weapons Station
PAO	Public Affairs Officer
RAB	Restoration Advisory Board
RI	Remedial Investigation
RCRA	Resource Conservation and Recovery Act
SARA	Superfund Amendment Reauthorization Act
TAG	Technical Assistance Grant
TAPP	Technical Assistance for Public Participation
U.S.	United States
USEPA	United States Environmental Protection Agency
UXO	Unexploded Ordnance
VDEQ	Virginia Department of Environmental Quality

SECTION

1 Introduction

This Community Involvement Plan (CIP) describes specific outreach methods to provide factual and timely information, obtain community feedback, and promote understanding of the United States (U.S.) Department of Defense (DoD) Environmental Restoration Program (ERP) at Naval Weapons Station (NWS) Yorktown and Cheatham Annex (CAX), together referred to as NWS Yorktown and CAX in this document. **Figure 1** shows the general location of NWS Yorktown and CAX on the Virginia Peninsula in southeastern Virginia.

This CIP is designed to support effective two-way communication between the Navy and local community members. Effective communication and timely information exchange are essential for maintaining community understanding and support for the U.S. Department of the Navy (Navy)'s mission at NWS Yorktown and CAX and for implementing a successful ERP at each of the installations. The outreach methods described in this CIP were developed based on community input received in April and May 2020.

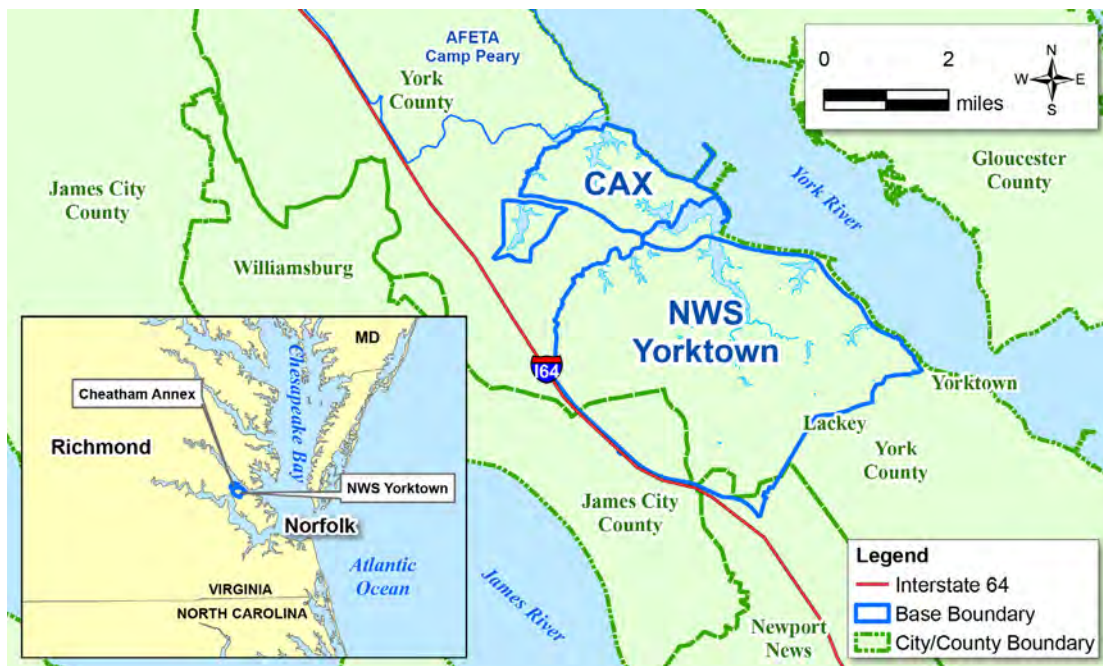
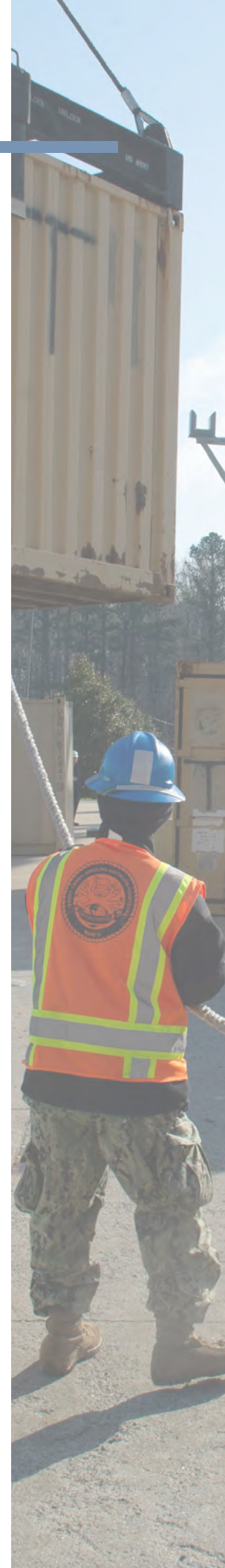


Figure 1 – Location of NWS Yorktown and CAX



1.1 Environmental Restoration Program

Throughout its history, the Navy's mission has required the use, handling, storage, and disposal of hazardous materials and petroleum products. These products may have come into contact with the environment through accidental spills, leaks, and previously common waste disposal practices, resulting in conditions that do not meet today's stricter and more comprehensive environmental standards.

Releases to the environment from past activities are addressed by the Navy under its ERP. The ERP follows the processes and procedures set forth in two major environmental acts: the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (**CERCLA**) and the Superfund Amendments and Reauthorization Act of 1986 (**SARA**).

The Navy's ERP 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 unexploded ordnance (**UXO**), discarded military munitions, and munitions constituents (**MC**).



Examples of IRP materials (above)
and MRP materials (below)
Source: CH2M

1.2 NPL Listing

NWS Yorktown was included on the U.S. Environmental Protection Agency (USEPA)'s National Priorities List (NPL) on October 14, 1992, and on January 2, 2001, CAX was added. Prior to NPL listing, all ERP actions initiated at CAX were voluntary and consistent with other Navy installations.

1.3 Community Involvement

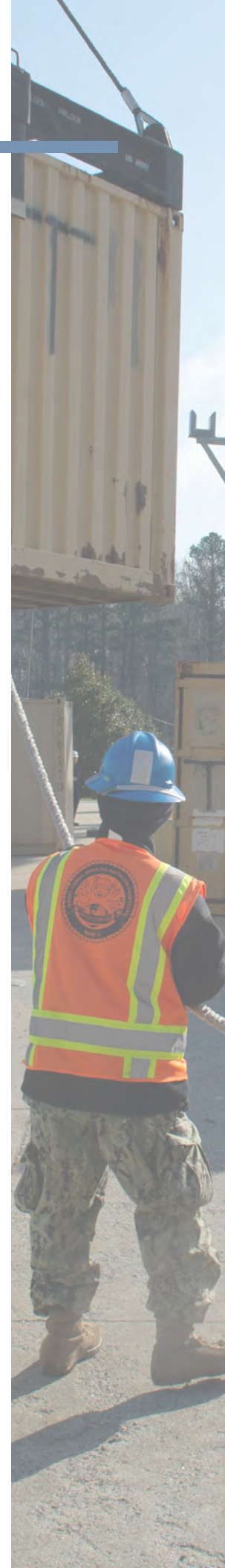
Community involvement is a critical component of the ERP. Community involvement promotes communication between the public, federally recognized tribes, and the Navy concerning the status of remediation at installations. Specific community involvement activities are required by CERCLA at specific stages of environmental response, although the Navy's guidance may be more comprehensive than the requirements in CERCLA. A CIP is intended to be an installation-specific strategy for meaningful community involvement throughout the CERCLA cleanup process. The Navy prepares and implements the CIP on an installation-wide basis rather than for a specific environmental restoration action (Department of the Navy, 2018).

As part of the ERPs at NWS Yorktown and CAX, the Navy has implemented a community involvement program to address community interest in the environmental cleanup activities at these installations. The purpose of this CIP is to assist the Navy in meeting the needs of the local community for information about, and opportunities to participate in, the ongoing ERPs. The initial plan (previously called a Community Relations Plan or CRP¹) was issued in 1991 and has been updated multiple times since. This document represents an update to the 2014 NWS Yorktown and CAX CIP (CH2M HILL, 2014).

1.4 Funding

The CERCLA process is used to address sites listed on the NPL. CERCLA is often referred to as "Superfund," because it established a fund for cleaning up abandoned and uncontrolled hazardous waste sites. However, all activities at federal facilities listed on the NPL are funded by the responsible federal agency. In the case of NWS Yorktown and CAX, the Navy funds all environmental cleanup activities in the ERPs. To fund these activities at military installations, the DoD set up the Defense Environmental Restoration Account. The Navy's portion of that funding mechanism is known as the Environmental Restoration, Navy account. Each year, available funding is directed to multiple facilities based on which facilities are considered to be the most contaminated and/or present the greatest risks to human health or the environment. Being listed on the NPL typically gives funding priority to an installation.

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



1.5 Agency Responsibilities

The responsibility for funding and carrying out the ERPs at NWS Yorktown and CAX rests with the Navy. However, the NPL listings give USEPA a specific role in the oversight of these actions. In August 1994, the Navy, USEPA, and the Virginia Department of Environmental Quality (**VDEQ**) entered into a Federal Facility Agreement (**FFA**) to ensure that environmental impacts associated with past and present activities at NWS Yorktown were thoroughly investigated and the appropriate remedial action taken to protect public health and the environment. The FFA for CAX was signed in March 2005.

These FFAs outline the scope of efforts for remedial activities at NWS Yorktown and CAX, and make USEPA and VDEQ part of the planning for future use of resources and in prioritizing restoration efforts within the Navy's budget controls.

Naval Facilities Engineering Command (**NAVFAC**) Mid-Atlantic administers the ERPs at NWS Yorktown and CAX. The Commanding Officer for NWS Yorktown and CAX has the overall responsibility for administering this CIP, but typically has shared these tasks with the NWS Yorktown and CAX Public Affairs Officer (**PAO**), NWS Yorktown and CAX military and civilian personnel, USEPA, VDEQ, and technical personnel contracted by the Navy to assist in the ERP process.

To facilitate public outreach and an integrated communication strategy for Navy environmental restoration sites, the Navy, USEPA, and VDEQ developed Mission Cleanup to communicate how they would work together to restore clean air, land, and water for future generations. Mission Cleanup ensures that the ERP uses sound science to (1) CLEAN up federal land, (2) PROTECT communities, and (3) RESTORE land and water for safe and productive reuse. Mission Cleanup's success relies on ongoing public awareness and engagement in cleanup milestones such as this CIP. Public participation is critical to *Clean, Protect, and Restore*, and both NWS Yorktown and CAX have issued Mission Cleanup fact sheets providing an overview of environmental restoration at each installation (**Appendix A**). Together, the Navy, USEPA, and VDEQ are committed to implementation of this CIP.

SECTION

2 The Installations

This section describes NWS Yorktown's and CAX's location, history, mission, and land use and summarizes the ERPs and current site statuses at the installations.

2.1 Location

NWS Yorktown is an 8,881-acre installation located on the Virginia Peninsula in York and James City Counties, Virginia. It is bounded on the northwest by CAX and the King's Creek Commerce Center, on the northeast by the York River and the Colonial Parkway, on the southwest by Route 143 and Interstate 64, and on the southeast by Route 238 and the town of Lackey.

CAX, located northwest of NWS Yorktown, currently comprises 2,634 acres divided into two separate parcels, with the larger parcel situated along the banks of the York River, and the smaller parcel located south of the Colonial Parkway and encompassing Jones Pond. CAX is bordered to the east by the York River, to the north by Queen Creek and the Armed Forces Experimental Training Activity Camp Peary, to the west by York County's New Quarter Park, and to the south by King Creek and NWS Yorktown.

2.2 History and Mission

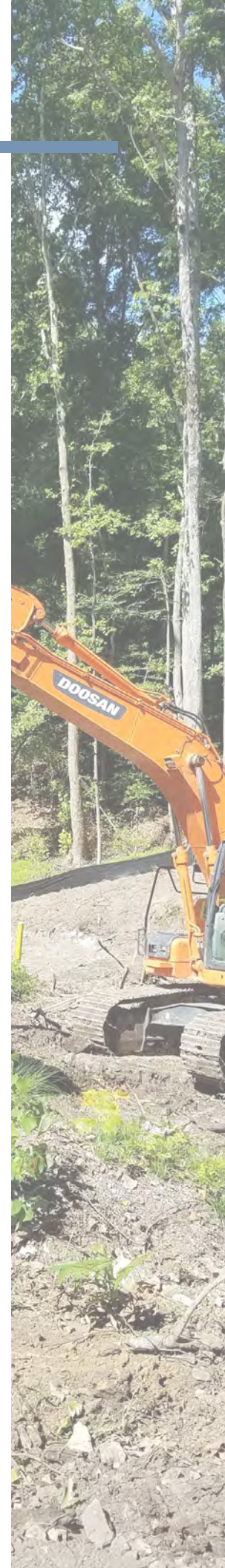
2.2.1 NWS Yorktown

Originally named the U.S. Mine Depot, NWS Yorktown was established in 1918 to support the laying of mines in the North Sea during World War I. For another 20 years, the depot continued to receive, reclaim, store, and issue mines, depth charges, and related materials. During World War II, the facility was expanded to include three trinitrotoluene loading plants and new torpedo overhaul facilities. A research and development laboratory for experimentation with high explosives was established in 1944. In 1947, a quality evaluation laboratory was developed to monitor special tasks assigned to the facility, which included the design and development of depth charges and advanced underwater weapons. On August 7, 1959, the depot was renamed the U.S. Naval Weapons Station Yorktown.

Today, the primary mission of NWS Yorktown is to provide ordnance, technical support, and related services to sustain the war-fighting capability of the U.S. armed forces in support of national military strategy.

2.2.2 CAX

CAX is located on the site of the former Penniman Shell Loading Plant, which was a large powder- and shell-loading facility that operated during World War I. The Penniman facility closed in 1918 and between 1918 and 1923 was dismantled.



Between 1923 and 1943, the property was used for farming or was left idle, until CAX was commissioned in 1943 as a satellite unit of the Naval Supply Depot to provide bulk storage facilities and serve as an assembly and overseas shipping point throughout World War II. CAX control was transferred from the Fleet Industrial Supply Center in Norfolk, Virginia, to NWS Yorktown in 1998.

Today, the mission of CAX includes supplying Atlantic Fleet ships and providing recreational opportunities to military and civilian personnel.



Recreation activities at CAX include hiking, fishing, boating, camping, and vacation cabins.
Source: Larry Grim

2.3 Installation Land Use

NWS Yorktown supports industrial activities and ordnance management and storage associated with the mission, but also supports some residential and recreational land uses. Current land use throughout much of the installation is restricted within explosive safety quantity distance arcs of munitions storage areas.

A significant portion of NWS Yorktown is wooded and dissected by ravines and tributaries that drain to the York River. Several unnamed ponds are used for catch-and-release fishing. Surface water on the installation drains to Felgates Creek and Indian Field Creek, which are not used for recreation within the installation. These creeks discharge to the York River, which is used for both commercial and recreational purposes. Land and resource use at NWS Yorktown is not expected to change in the foreseeable future.

At inception, CAX occupied approximately 3,349 acres; however, several portions of the original installation were declared surplus and transferred to other government jurisdictions, including the Department of Interior (DOI) (i.e., National Park Service), the Commonwealth of Virginia, and York County. Currently, almost all of the activities at CAX (administration, training, maintenance, support, and housing) take place in the larger portion of the Installation. The smaller parcel, located south of the Colonial Parkway, is used mainly as a watershed protection area. In July 1987, CAX was designated the Hampton Roads Navy Recreational Complex.

Unlike NWS Yorktown, there are no restricted areas at CAX. Several surface water bodies are used for fishing (Jones Pond, Cheatham Pond, Penniman Lake, and Youth Pond). The topography of CAX is similar to that of NWS Yorktown, and surface water drains to Queen Creek and King Creek, and then to the York River. Land and resource use at CAX is not expected to change in the foreseeable future.

The Environmental Cleanup Process

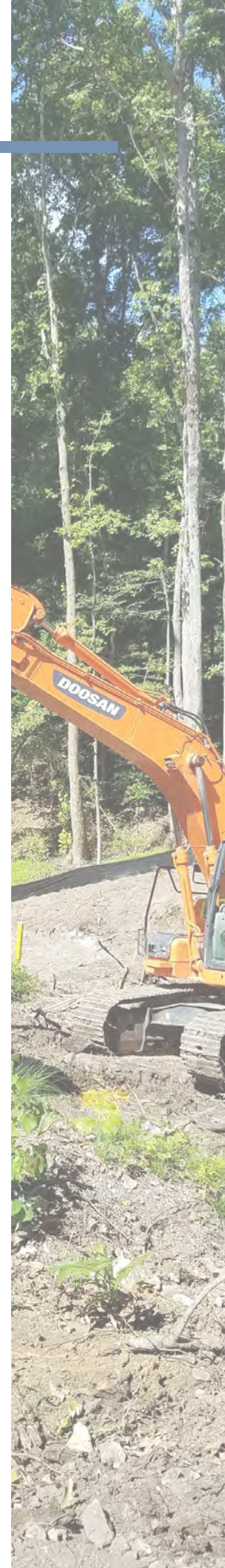
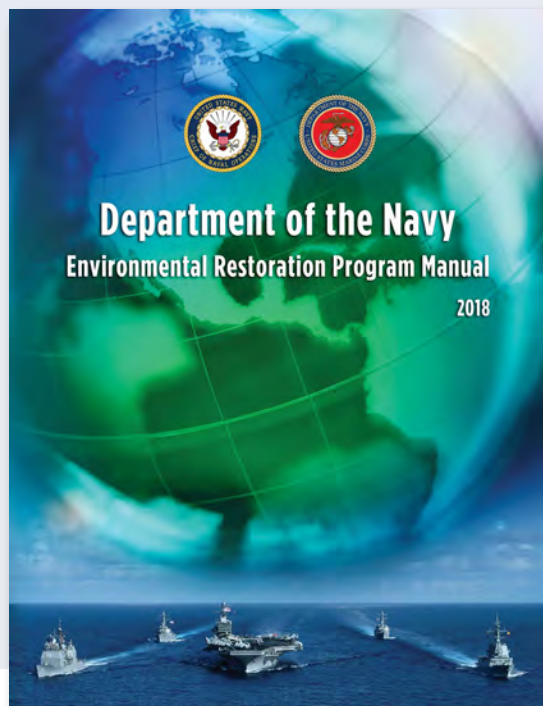
Federal environmental laws provide the framework for environmental cleanup activities. NWS Yorktown and CAX's cleanup activities are specifically driven by CERCLA, as amended by SARA and the 1984 Hazardous and Solid Waste Amendments to the **Resource Conservation and Recovery Act (RCRA)**. Cleanup activities associated with past operations that ceased after November 1980 and with ongoing hazardous waste management are governed by RCRA. Cleanup activities associated with past operations that ceased before November 1980 are driven by CERCLA.

Installation Restoration Program

In 1975, DoD developed a nationwide program to identify and address environmental problems resulting from past operations and waste disposal practices at DoD facilities. Since the early 1980s, the Navy has been addressing environmental issues from past operations under this program. Originally, the Navy's program was referred to as the **Navy Assessment and Control of Installation Pollutants (NACIP)** Program. The NACIP Program was modeled after the USEPA Superfund Program authorized by CERCLA. In 1986, the Navy restructured the NACIP Program into the IRP to conform to USEPA's Superfund procedures.

Munitions Response Program

The Military MRP was initiated by DoD in 2001, as part of the Defense ERP. The MRP is designed to address **munitions and explosives of concern (MEC)** and MC at locations other than operational ranges and disposal sites. In 2002, Congress passed the National Defense Authorization Act, which required DoD to complete a list of all munitions-contaminated sites at other than operational ranges throughout the United States. Sites in the MRP also follow the CERCLA process.



The CERCLA Process

The ERPs follow the process prescribed by CERCLA regulations and guidance for investigating and addressing environmental contamination. The steps of the CERCLA process for environmental cleanup are described below and shown in the figure on the next page.

? *The First Look: Preliminary Assessment/Site Inspection*

The first step is to determine whether contaminants (including MEC and MC) are present and whether further response is required. The Preliminary Assessment (PA) involves collecting and reviewing existing information to identify specific potentially contaminated sites and historical range information. If contaminants (including MEC and MC) are suspected to be present based on the results of the PA, a Site Inspection (SI) is performed. The SI may involve limited sampling of soil, groundwater, surface water, and/or sediment to confirm the presence of contaminants (including MEC and MC). Sites may be documented as **No Further Action (NFA)**, or an Expanded Site Inspection (ESI) may be conducted if more data is needed.

A Closer Look: Remedial Investigation/Feasibility Study

The **Remedial Investigation (RI)** determines the nature and extent of contaminants (including MEC and MC) and assesses the associated risks to human health and the environment. If cleanup is determined to be warranted, the **Feasibility Study (FS)** evaluates potential cleanup approaches against a variety of criteria, including technical feasibility, cost effectiveness, and community acceptance. If cleanup is not warranted, the Navy will issue an NFA Decision Document.

Public Input: Proposed Plan

The preferred cleanup approach, based on the evaluation of various alternatives by the Feasibility Study, is documented in the Proposed Plan (PP, previously called a Proposed Remedial Action Plan or PRAP), which is provided to the public for formal comment prior to selecting the remedy.

Decision: Record of Decision

The Record of Decision (ROD) documents the selection of the remedy following consideration of public comments received on the Proposed Plan. It includes a reply to public comments on the Proposed Plan, known as the Responsiveness Summary.

Cleanup Plan and Action: Remedial Design/Remedial Action

If a remedial action is required, a Remedial Design (RD) and Remedial Action (RA) Work Plan are prepared to develop the technical specifications of the remedy to be taken. The selected remedy and design are implemented during remedial action construction and operation phases.

For more detail on the various CERCLA steps presented above, see <https://www.epa.gov/superfund/superfund-cleanup-process>

THE FIRST LOOK

? Preliminary Assessment/
Site Inspection (PA/SI)
Is there something there?
If **NO**: No Further Action
If **NOT SURE**: Expanded SI
If **YES**: Continue CERCLA process

A CLOSER LOOK

🔍 Remedial Investigation/
Feasibility Study (RI/FS)
What's there and where is it?
What can be done about it?

PUBLIC INPUT

👥 Proposed Plan (PP)
What is the best way to deal with it?
What do you think?

DECISION

✅ Record of Decision (ROD)
Here's what we decided and why!

CLEANUP PLAN AND ACTION

📄 Remedial Design/
Remedial Action (RD/RA)
Let's deal with it!

MAINTENANCE

🕒 Remedy in Place (RIP)
Let the remedy work and monitor it.

SITE CLOSEOUT

✅ Cleanup goals
have been achieved.

REMOVAL ACTIONS

🛠️ *Let's remove anything that may be causing a short-term threat (as needed throughout the PA/SI and RI/FS steps).*



Maintenance: Remedy in Place

Once a remedy has been implemented, Five-Year Reviews are required if hazardous substances remain on a site at levels that restrict use or exposure. A Five-Year Review is an opportunity to evaluate the implementation and performance of a remedy to assess whether it continues to protect human health and the environment. Generally, reviews are performed 5 years after the initiation of a CERCLA response action and are conducted every 5 years thereafter, as long as waste remains in place and future uses remain restricted.



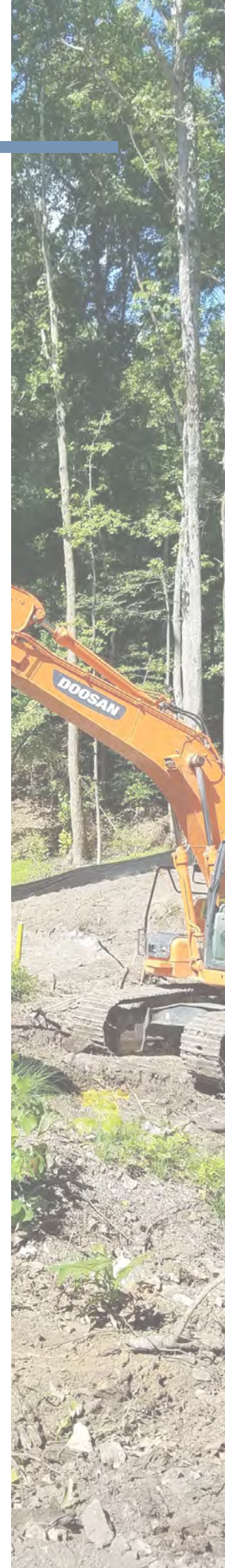
Site Closeout

Site closeout typically 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.



Cleanup Action: Removal Actions

A removal action is a response to a release that threatens public health, welfare, or the environment. Removal actions may be conducted at any point in the CERCLA process previously described. These actions vary in duration and are categorized by their urgency and duration. Emergency removals require an immediate response to releases or threatened releases to the environment and are typically initiated within hours or days. Time-critical removal actions are situations where remediation activities must begin within 6 months 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. For a non-time-critical removal action, an engineering evaluation and cost analysis describing the remedial approach is prepared and issued for public comment before beginning the removal action (USEPA, 2016).



2.4 Environmental History

NWS Yorktown's and CAX'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 munitions operations associated with ranges and the use, handling, and storage of munitions. The ERPs address both IRP and MRP sites.

NWS Yorktown

NWS Yorktown began environmental investigation efforts with an Initial Assessment Study (IAS) in 1984 under the Navy's previous environmental program, NACIP. The IAS identified 19 sites that posed a potential threat to human health and/or the environment due to contamination generated in past operations (C. C. Johnson/CH2M, 1984a). Based on further investigation, the IAS determined that 15 of these 19 sites posed sufficient hazard to warrant Confirmation Studies. After collection and analysis of groundwater, soil, and sediment samples, Confirmation Studies recommended further Remedial Investigation activities at 14 sites (Versar, 1991).

The FFA for NWS Yorktown (USEPA, 1994) incorporated the RCRA solid waste management units (SWMUs) at NWS Yorktown, as identified in a 1992 RCRA SWMU Investigation Report (A. T. Kearney, 1992). The FFA identified 16 sites for Remedial Investigation. The FFA also identified 19 site screening areas (SSAs) for the Site Screening Process (similar to the Preliminary Assessment/Site Investigation step) and another 21 areas of concern (AOCs) that warranted further consideration. Subsequent to the FFA, six additional SSAs were identified for consideration under CERCLA. Based on the results of the Site Screening Process, eleven of the SSAs were determined to warrant Remedial Investigation/Feasibility Study efforts. With the exception of three AOCs, which are associated with one of the SSAs, the Navy, in partnership with USEPA and VDEQ, agreed that no action was warranted for all other AOCs (Baker, 1997). One additional AOC was identified in 2007 based on the results of groundwater investigation at another site upgradient.

In 2007, NWS Yorktown initiated investigation of several MRP sites. Four potential MRP sites have been identified, three of which are still in active use and will be addressed by the MRP once they are no longer active.

There are currently 16 active IRP sites and 1 active MRP site at NWS Yorktown IRP (**Figure 2** and **Table 1**). All other sites, SSAs, and AOCs received an NFA determination under the CERCLA process or have been incorporated into other study areas.

More detail about each of these sites, as well as a comprehensive summary of the work that has been completed to date, can be found in the NWS Yorktown Site Management Plan, Fiscal Years 2021–2022 (CH2M, 2020). The Site Management Plan is updated annually and is available on the Yorktown ERP website:

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

NWS YORKTOWN & CHEATHAM ANNEX
COMMUNITY INVOLVEMENT PLAN



Figure 2 – Active NWS Yorktown Sites

Table 1 – Active NWS Yorktown Sites

Site Number	Site Name	Abbreviated Site History	Site Status (as of March 2021) ¹
Site 1 (IRP)	Dudley Road Landfill	<ul style="list-style-type: none"> Originally used for sand mining, resulting in the creation of burrow pits. Burrow pits were filled with solid waste; site was operated as a landfill 1965–1985. 	<ul style="list-style-type: none"> ROD signed in 1999 for soil (removal and offsite disposal of contaminated soil, restoration of existing soil cover, land use controls). Land use controls are in place for the landfill. PP for groundwater, surface water, and sediment is being prepared.
Site 3 (IRP)	Group 16 Magazine Landfill	<ul style="list-style-type: none"> Originally used for sand mining, resulting in a burrow pit. Burrow pit was operated as a landfill 1940–1970. 	<ul style="list-style-type: none"> ROD signed in 1999 for soil (removal and offsite disposal of debris and contaminated soil, land use controls). Explanation of Significant Differences—NFA for soil after remedy implemented. ROD for groundwater, surface water, and sediment is being prepared.

¹ See the current Site Management Plan for more information.

FS = Feasibility Study
 IRP = Installation Restoration Program
 MRP = Munitions Response Program
 NEDED = Naval Explosives Development Engineering Department

NFA = No Further Action
 PP = Proposed Plan
 RI = Remedial Investigation
 ROD = Record of Decision
 UXO = Unexploded Ordnance

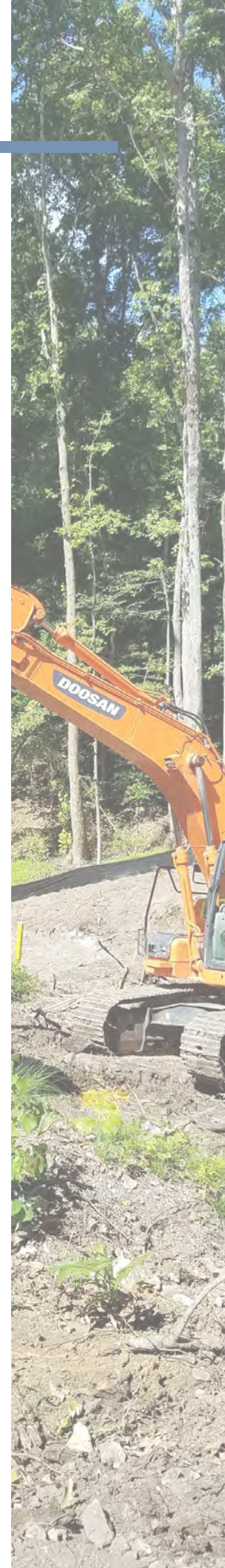




Table 1 – Active NWS Yorktown Sites, continued

Site Number	Site Name	Abbreviated Site History	Site Status (as of March 2021) ¹
Site 6 (IRP)	Explosives-Contaminated Wastewater Impoundment	<ul style="list-style-type: none"> • Two plants used for explosives reclamations and weapons-loading operations. • Originally consisted of three areas near the plants: Impoundment Area, a Flume Area, and an Excavation Area. • Between 1942 and 1975, contaminated wastewater from the Explosives Reclamation Facilities was discharged via drainage channels in the Flume Area to the Impoundment Area, located in adjacent wetlands. • Historic uses of the Excavation Area unknown; area identified in an aerial photography assessment as an area where debris was visible. 	<ul style="list-style-type: none"> • ROD signed in 1998 for soil, sediment, surface water, and groundwater (long-term monitoring in the Impoundment Area [sediment, surface water, and groundwater], excavation and ex situ bioremediation of contaminated soil and sediment in the Flume Area, and a soil cover in the Excavated Area). • RI is in progress, focusing on areas upgradient of the Flume Area where the plant buildings were demolished in 2012. • Land use controls are in place for the Impoundment Area and Excavated Areas; long-term monitoring on hold pending RI conclusion.
Site 7 (IRP)	Explosives-Contaminated Wastewater Discharge Area	<ul style="list-style-type: none"> • Encompasses a weapons-loading plant and drainage area leading from the plant to adjacent to wetlands. • Between 1945 and 1975, wastewater from the plant discharged directly into the drainage area. • Between 1975 and 1986, wastewater treated in an activated carbon unit to remove dissolved explosives prior to discharge. 	<ul style="list-style-type: none"> • Excavation conducted in 1997 addressed explosives-contaminated soil and sediment; ROD for soil and sediment signed in 1998. Land use controls are in place at the area where the excavation occurred, and long-term monitoring of groundwater is ongoing. • Expanded RI conducted following building demolition in 2012. • The Pre-FS addressing the soil and groundwater data gaps that were identified in the RI was finalized in 2021. • Supplemental additional Pre-FS investigation work plan to address data gaps for groundwater identified in the initial Pre-FS investigation is being developed.
Site 8 (IRP)	NEDED Explosives-Contaminated Wastewater Discharge Area	<ul style="list-style-type: none"> • Consists of a drainage way that received wastewater from the former NEDED between 1940 and 1986. • Before 1975, wastewater was discharged untreated. • In 1975, carbon treatment installed to treat wastewater before discharge. 	<ul style="list-style-type: none"> • Removal action conducted in 2008 to address contaminated soil/sediment in the discharge area. • RI Report focusing on the area of the NEDED buildings finalized in 2020. • A Pre-FS work plan to evaluate monitored natural attention of contamination in groundwater is currently being developed.

**NWS YORKTOWN & CHEATHAM ANNEX
COMMUNITY INVOLVEMENT PLAN**

Table 1 – Active NWS Yorktown Sites, continued

Site Number	Site Name	Abbreviated Site History	Site Status (as of March 2021)¹
Site 9 (IRP)	Plant 1 Explosives-Contaminated Wastewater Discharge Area	<ul style="list-style-type: none"> Site 9 was used from the 1930s to 1975 as a discharge area for Plant 1 explosives-contaminated wastewater and possibly solvents. Surface and subsurface debris removed from Site 9 in 1994. Sites 9 and 19 are being investigated as one study area. 	<ul style="list-style-type: none"> NFA ROD signed in 1998 for soil, surface water, and sediment. RI report currently being developed, focused on the area where the plant buildings were demolished between 2010 and 2012.
Site 12 (IRP)	Barracks Road Landfill	<ul style="list-style-type: none"> Location of three former disposal areas: Area A, Area B/C, and the Wood/Debris Disposal Area. Area A contained an incinerator (now demolished); ash from the incinerator was disposed of in adjacent lying areas. Area B/C was a potential ash disposal area. Wood Debris/Disposal Area was a wood and construction debris disposal area. 	<ul style="list-style-type: none"> ROD signed in 1997 (NFA for Area B/C and Wood Debris Disposal Area; surface debris removal, installation of a clay cover, land use controls, and long-term monitoring for Area A). Land use controls are in place for Area A landfill and long-term monitoring of groundwater every five years is ongoing.
Site 19 (IRP)	Conveyor Belt Soils at Building 10	<ul style="list-style-type: none"> Site 19 includes the soil beneath and surrounding a former conveyor belt used between the 1940s and the 1970s to transport TNT between buildings at the plant. Remedial activities have included dismantling the conveyor belt system and excavating and treating contaminated soils. Sites 9 and 19 are being investigated as one study area. 	<ul style="list-style-type: none"> ROD signed in 1998 (remove the conveyor belt at Site 19 and excavate and backfill soil from beneath the conveyor belt and other site hotspots). Contaminated soil removed from Site 19 in 1998. RI report currently being developed, focused on the area where the plant buildings were demolished between 2010 and 2012. Land use controls are in place for the former conveyor belt area.
Site 22 (IRP)	Burn Pad	<ul style="list-style-type: none"> Previously contained an array of steel burn pads used to burn waste plastic explosives and spent solvents; burning operations ceased in 1994. Area used to house bio-cells to remediate contaminated soils from other sites; bio-cell operations completed in 1998. 	<ul style="list-style-type: none"> NFA ROD signed in 2001 for surface water and sediment. Soil removal conducted in 2002 and NFA ROD for soil signed in 2003. ROD signed in 2012 to address groundwater (enhanced bioremediation, performance monitoring, and land use controls are in place). Work plan being developed to optimize the selected groundwater remedy; land use controls associated with groundwater are ongoing.

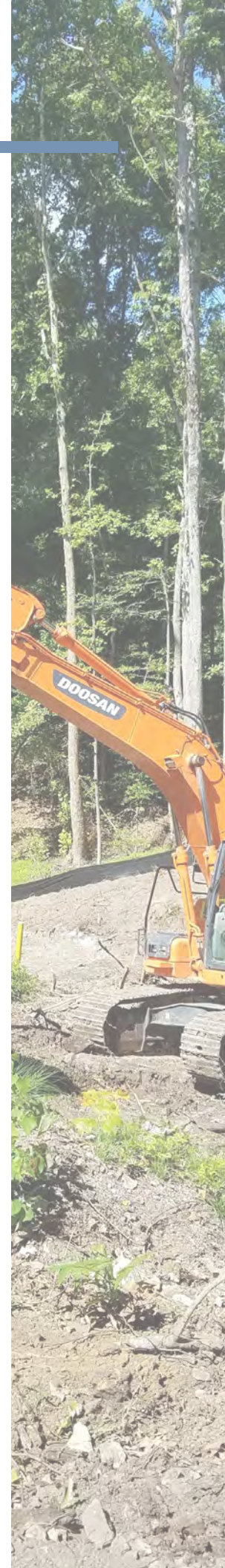


Table 1 – Active NWS Yorktown Sites, continued

Site Number	Site Name	Abbreviated Site History	Site Status (as of March 2021) ¹
Site 23 (IRP)	Building 428 Teague Road Disposal Area	<ul style="list-style-type: none"> Used for debris disposal and solid waste storage, approximately 1940–1960. 	<ul style="list-style-type: none"> Four removal actions have excavated contaminated soil and debris from site hotspots. Work plan being developed to collect data to support an FS addressing groundwater, soil, sediment, and surface water.
Site 24 (IRP)	Aviation Field	<ul style="list-style-type: none"> Used as an aviation field until 1927, then used as a storage area for munitions and other miscellaneous debris. A bio-cell was installed in 1999 to treat explosives-contaminated soil and sediment and was removed upon completion in 2006. 	<ul style="list-style-type: none"> Non-time-critical removal action initiated in 2016 to remove contaminated soil from isolated hotspots; currently on hold due to the discovery of radiological material. Planning is underway for removal of low-level radioactive and non-hazardous waste. Sampling ongoing to evaluate whether the removal action can continue or if an alternative remedial action is necessary.
Site 25 (IRP)	Building 373 Rocket Plant	<ul style="list-style-type: none"> Historically used as an explosives loading plant. Between the 1960s and the early 1908s, wash/rinse water generated from formulation and pouring of equipment was drained into a settling basin and allowed to discharge into adjacent surface water bodies. Underground storage tank installed in the early 1980s to contain the waste water; water from tank filtered through carbon treatment unit and discharged to the sanitary sewer system. Aboveground storage tank replaced use of underground storage tank sometime in the 1980s. 	<ul style="list-style-type: none"> Underground storage tank and surrounding soil removed in 1997. RI report is currently being developed.
Site 26 (IRP)	Building 1816 Mark 48 Waste Otto Fuel Tank	<ul style="list-style-type: none"> Complex of four buildings and a fuel management area; active 1970s–1990s. Underlain by a network of underground storage tanks and drain pipes. 	<ul style="list-style-type: none"> 1987, waste fuel mixture was found to be leaking from one underground storage tank. The fuel was removed, and the tank was cleaned and ultimately removed. RI report currently being developed.

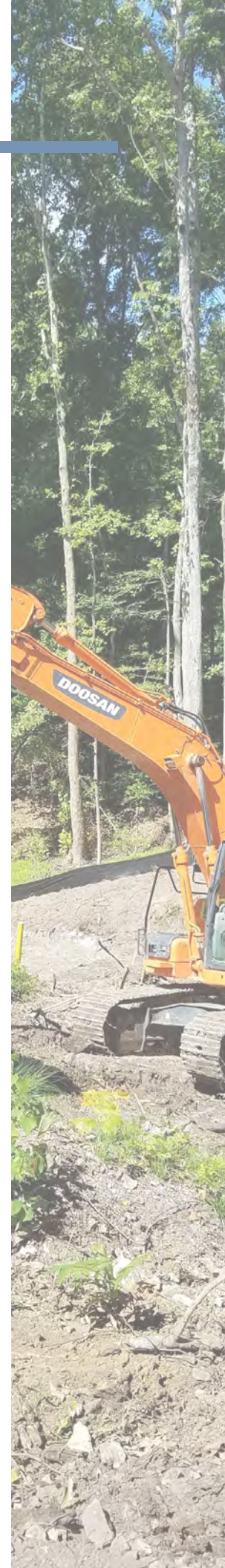
**NWS YORKTOWN & CHEATHAM ANNEX
COMMUNITY INVOLVEMENT PLAN**

Table 1 – Active NWS Yorktown Sites, continued

Site Number	Site Name	Abbreviated Site History	Site Status (as of March 2021)¹
Site 31 (IRP)	Barracks Road Landfill Industrial Area	<ul style="list-style-type: none"> Four large buildings (Sheds 3-6) historically used for a variety of purposes, including: paint and aerosol storage, munitions rework and repair, and, more recently, to support public works and utilities maintenance. 	<ul style="list-style-type: none"> Periodic vapor intrusion monitoring is ongoing. FS currently being developed for soil, groundwater, surface water, and sediment.
Site 33 (IRP)	Sand Blasting Grit Area	<ul style="list-style-type: none"> Site of former Building 530 Paint Shop and Sand Blasting Operations, used 1940s–1980s. Inert ordnance items were grit-blasted and painted within the facility. Accumulated dust from blasting activities was deposited on the ground surface; waste disposed of on adjacent ground surface. 	<ul style="list-style-type: none"> Soil and blast grit removed in 1999. RI sampling plan currently being developed.
Site 34 (IRP)	Building 537 Discharge to Felgates Creek	<ul style="list-style-type: none"> Historically used for industrial activities primarily related to ordnance. Explosives-contaminated wastewater was reportedly discharged from Building 537 to an adjacent surface water body. Potential disposal/releases occurred at several buildings north of Building 537. 	<ul style="list-style-type: none"> Contaminated soil and sediment removed in 2009. RI report currently being developed.
UXO2 (MRP)	Turkey Road Landfill	<ul style="list-style-type: none"> Operated as a landfill from the 1940s until 1981. Originally identified as IRP Site 2 but transferred to the MRP and designated as UXO 2 following discovery of inert ordnance items during environmental investigation. 	<ul style="list-style-type: none"> Surface and near-surface debris removed in 1994. RI sampling plan currently being developed.



Groundwater sampling at NWS Yorktown Site 6
Source: CH2M



CAX

CAX began environmental investigation efforts with an IAS in 1984 under the Navy's previous environmental program, NACIP. The IAS identified 12 potential sites and recommended further investigation of four sites that posed a potential threat to human health and/or the environment due to contamination generated in past operations (C.C. Johnson/CH2M, 1984b). In 1998, the Navy, USEPA, and VDEQ jointly identified five additional potential source areas and designated them as AOCs.

After CAX was added to the NPL in 2001, additional investigations were performed, and in 2003 NFA or remediation complete determinations were made for seven sites.

Following two additional NFA RODs in 2009 and 2010, additional site investigations, and the discovery that several sites and AOCs could be appropriately grouped together based on common source areas, seven sites remain active in the CAX ERP (Figure 3 and Table 2).

More detail about each of these sites, as well as a comprehensive summary of the work that has been completed to date, can be found in the CAX Site Management Plan, Fiscal Years 2021–2022 (CH2M, 2020). The Site Management Plan is updated annually and is available on the CAX ERP website: https://www.navfac.navy.mil/products_and_services/ev/products_and_services/env_restoration/installation_map/navfac_atlantic/midlant/nws_yorktown_cheatham_annex.html.

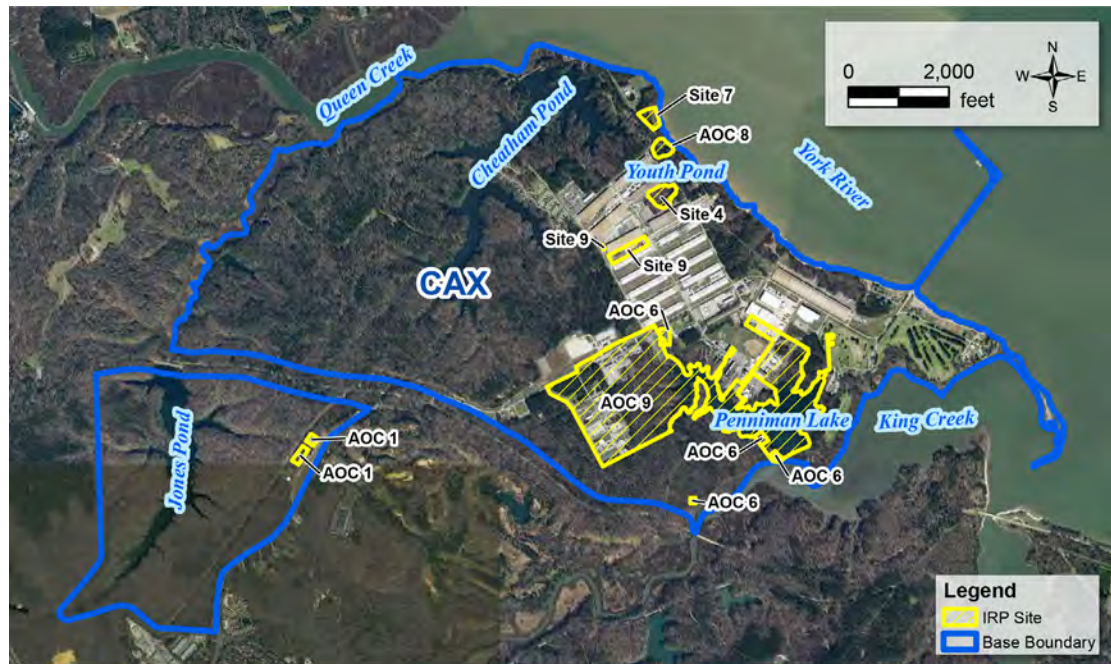


Figure 3 – Active NWS Yorktown Cheatham Annex Sites

**NWS YORKTOWN & CHEATHAM ANNEX
COMMUNITY INVOLVEMENT PLAN**

Table 2 – Active CAX Sites

Site Number	Site Name	Abbreviated Site History	Site Status (as of March 2021) ¹
Site 4 (IRP)	Outdated Medical Supply Disposal Area	<ul style="list-style-type: none"> • Located at the headwaters of a small freshwater pond, adjacent to an industrial area. • During the 1960s, out-of-date, unused medical supplies and other debris, including railroad ties and construction materials, were dumped and buried. 	<ul style="list-style-type: none"> • Housekeeping effort performed in 1998 to remove surface debris. • Catch-and-release fishing restrictions in the downgradient pond (Youth Pond) in place as a conservative measure based on the potential for contaminants in the sediment. • RI completed in 2014; RI addendum is in progress. Remediation of the site is recommended.
Site 7 (IRP)	Old DuPont Disposal Area	<ul style="list-style-type: none"> • Located along the York River. • Reportedly used by the Penniman Shell Loading Plant for nonhazardous solid waste disposal in the early 1900s. • Shoreline erosion revealed large amounts of debris buried at the site. • Groundwater investigations are ongoing. 	<ul style="list-style-type: none"> • TCRA (2007–2008) to remove debris. • RI (2015) identified need for supplemental groundwater investigations; field activities to identify the boundaries of groundwater contamination are ongoing. • NFA ROD signed in 2017 for site soil and nearby surface water and sediment in 2017 based on RI results.
Site 9 (IRP)	Transformer Storage Area	<ul style="list-style-type: none"> • Currently located between CAD buildings 6 and 16. • Originally identified as an area where electrical transformers (some containing PCBs) were stored for repair or disposal (1973–1980). • Currently identified as an area where transformers and electronics components were crushed before being loaded onto rail cars for disposal. 	<ul style="list-style-type: none"> • ESI (2014) led to revised site boundary. • ESI activities in progress to evaluate soil and groundwater within revised boundaries, as well as sediment within the site drainage system.
AOC 1 (IRP)	Scrap Metal Dump	<ul style="list-style-type: none"> • Located on the smaller parcel of CAX, south of the Colonial Parkway. • Two distinct disposal areas located between two ravines, designated as “AOC 1 North” and “AOC 1 South.” • Identified as two areas where wood and metal materials were disposed of. 	<ul style="list-style-type: none"> • Site characterization at AOC 1 North complete; NFA is required. • RI for site characterization at AOC 1 South is ongoing for soil, groundwater, surface water, and sediment.

¹ See the current Site Management Plan for more information.

AOC = Area of Concern

CAX = Cheatham Annex

ESI = Expanded Site Inspection

IRP = Installation Restoration Program

NFA = No Further Action

PCB = polychlorinated biphenyl

RI = Remedial Investigation

ROD = Record of Decision

TCRA = Time-Critical Removal Action

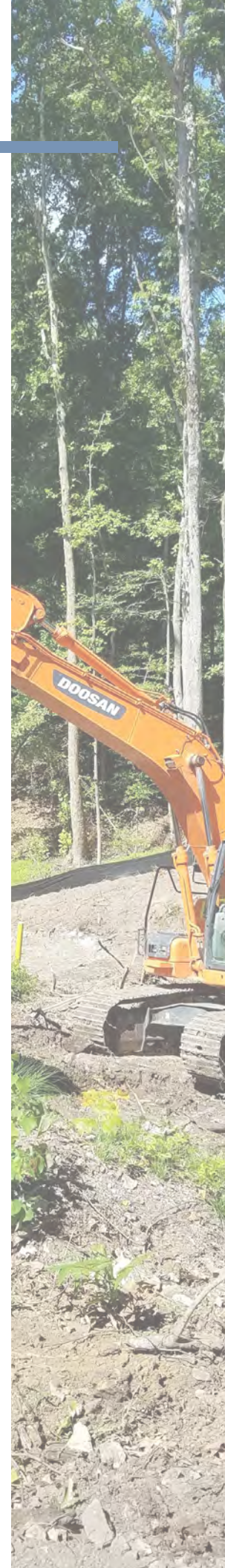




Table 2 – Active CAX Sites, continued

Site Number	Site Name	Abbreviated Site History	Site Status (as of March 2021) ¹
AOC 6 (IRP)	Penniman Lake AOC	<ul style="list-style-type: none"> • Located in various areas of the former Penniman Shell Loading Plant. • 1918 Drum Storage: used for storage of wooden kegs, the contents of which are unknown. • Waste Slag Material: consisted of a roughly 25-foot-by-10-foot pile of metallic slag material. • Ammonia Settling Pits: consists of earthen settling pits that were used to discharge wastewater from ammonia finishing activities. • TNT Graining House Sump: contains a concrete-lined pit believed to be the sump pit for the TNT Graining House located in the shell loading area. • TNT Catch Box Ruins: brick-lined depression adjacent to the TNT Graining House; used to separate TNT particles from wastewater. 	<ul style="list-style-type: none"> • NFA ROD signed in 2018 for all media associated with the 1918 Drum Storage and Waste Slag Material subareas and for groundwater at the Ammonia Settling Pits, TNT Graining House Sump, and TNT Catch Box Ruins subareas. • Non-Time-Critical Removal Action for soil contamination at the Ammonia Settling Pits, TNT Graining House Sump, and TNT Catch Box Ruins in progress.
AOC 8 (IRP)	Area South of Site 7	<ul style="list-style-type: none"> • Located along the York River. • Area possibly used as a soil borrow pit that was subsequently filled with debris. 	<ul style="list-style-type: none"> • TCRA was completed in 2019 to remove all debris and thus prevent potential erosion of debris into the York River. • Following the TCRA, an RI addendum is ongoing to address potential groundwater contamination.
AOC 9 (IRP)	Penniman Lake Historical Industrial Areas	<ul style="list-style-type: none"> • Originally identified as Penniman Lake, a 48-acre manmade surface water body. • Since Penniman Lake is a downgradient receiving body, rather than a source of contamination, the study area was expanded to approximately 171 acres, encompassing structures, areas, and drainages that are potential source areas based on historic uses and activities. 	<ul style="list-style-type: none"> • Catch-and-release fishing restrictions are in place as a conservative measure. • An ESI in progress to identify potential sources of contamination is in progress.

SECTION

3 The Community

This section describes the local community around NWS Yorktown and CAX.

3.1 Community Setting and Resources

As described, NWS Yorktown and CAX are located in York and James City counties, adjacent to the City of Williamsburg and the City of Newport News. This area is considered part of the Hampton Roads metropolitan area. The Historic Triangle of Virginia—made up of Colonial Williamsburg, Jamestown, and Yorktown, and linked by the National Park Service’s Colonial Parkway—is a major center for tourism and comprises a distinct area within the Hampton Roads region. **Figure 4** shows the location of community features described below.



Figure 4 – NWS Yorktown and CAX Community Features

3.1.1 Surrounding Land Use

Land use surrounding NWS Yorktown and CAX is dominated by other federal use, including DoD properties and the Colonial National Historical Park, which is maintained primarily as conservation land. Other surrounding land use consists of single-family and multi-family residential homes and two primary commercial areas—the Marquis Center and the Kings Creek Commerce Center. East of NWS Yorktown is the historic town of Yorktown, the county seat of York County, and site of the Battle of Yorktown, which effectively ended the American Revolutionary War. Yorktown consists of small shops, restaurants, a hotel, a park, colonial-era homes and historic buildings, and the George P. Coleman Memorial Bridge, which spans the York River (York County, 2013), connecting Yorktown to Gloucester Point.

3.1.2 Parks and Recreation

Recreational opportunities abound in the surrounding community. The York River is popular for both commercial and recreational fishing and crabbing, as well as commercial and recreational boating. CAX offers cottages and a campground for tents and recreational vehicles, available to DoD active and retired military through the Morale, Welfare, and Recreation program, plus catch-and-release fishing at Penniman Lake and Cheatham and Youth Ponds.

The surrounding area also has several large parks, including the Colonial National Historical Park, New Quarter Park, Newport News Park, and the Yorktown Victory Center. The Colonial National Historical Park and Yorktown battle trenches and battlefields offer hiking, biking, and interpretive trails.



Cannon on Yorktown Battlefield Tour Road
Source: National Park Service/Linda Williams



Yorktown Victory Monument
*Source: National Park Service/
Roger Green*

The Yorktown Victory Center is a historic park, with a visitor center, interpretive walkway, and recreated Continental Army encampment. Newport News Park, just south of NWS Yorktown and adjacent to the Colonial National Historical Park, is one of the largest municipal parks east of the Mississippi River, offering recreational opportunities such as hiking, biking, picnicking, paddle-boating, canoeing, archery, disc golf, freshwater fishing, and year-round camping. York County's New Quarter Park, located immediately west of CAX, has picnic shelters, hiking trails, a disc golf course, basketball and sand volleyball courts, a softball field, horseshoe pits, and a large playground. Charles E. Brown Park is located in the village of Lackey, just outside NWS Yorktown Gate 1. Park facilities include a baseball diamond, basketball and tennis courts, a playground, and a nature trail.

3.1.3 Medical Facilities

The Navy Medical Readiness and Training Unit Yorktown provides health care to all branches of the U.S. military, as well as occupational health services to eligible military and civilian personnel. The closest community hospital is Riverside Doctors' Hospital Williamsburg. Other local medical facilities include the Lackey Clinic just south of NWS Yorktown and several urgent-care facilities in Williamsburg.

3.1.4 Schools

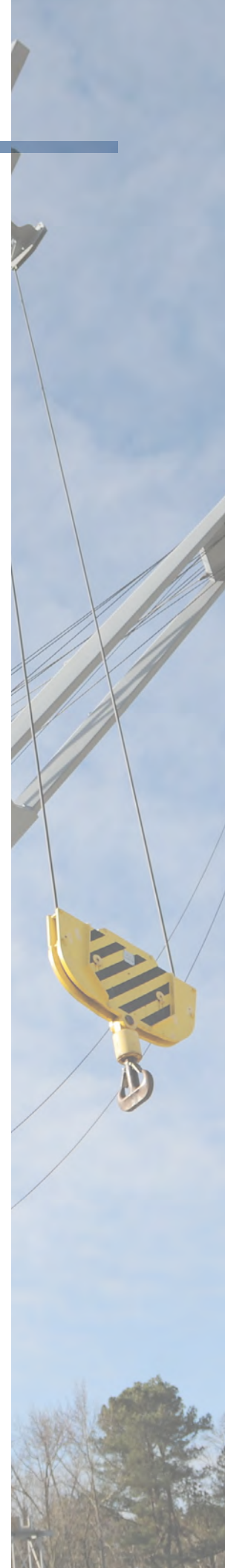
Students who live in installation housing at NWS Yorktown attend local community schools; there are no residents on CAX. The York County School Division serves more than 12,750 students in 19 elementary, middle, and high schools (York County School Division, 2020). Williamsburg-James City County Schools serve a student population of more than 11,400 students in 16 schools (Williamsburg-James City County Public Schools, 2020), and Newport News Public Schools serve more than 28,600 students in 42 schools (Newport News Public Schools, 2020). The closest public schools to NWS Yorktown and CAX are indicated on **Figure 4**.

Other private daycare centers, preschools, and church schools are also located in the communities surrounding NWS Yorktown and CAX.

3.1.5 Drinking Water Sources

The majority of drinking water at NWS Yorktown and CAX is purchased from the City of Newport News. Surface water from the Chickahominy River is the primary source of the drinking water, which is then stored in five reservoirs served by two water treatment facilities. The closest reservoir is Skiffes Creek Reservoir, located in Lee Hall. Groundwater wells located at Lee Hall provide a secondary source of water that is treated separately and mixed with treated surface water (NWS Yorktown, 2019).

NWS Yorktown has three public supply wells. These wells only provide water to the immediate building complexes in remote areas along the southwestern property boundary (Tetra Tech, 2020).



3.2 Population and Economic Setting

3.2.1 Demographics

Approximately 75 percent of NWS Yorktown is located within York County, and the remainder is situated in James City County and the City of Newport News. CAX is located entirely within York County. NWS Yorktown and CAX are immediately surrounded by York County, James City County, and the City of Newport News, with the City of Williamsburg located just west of the installations. Therefore, demographic data were collected for these municipalities and are shown in **Table 3**. Data for the Commonwealth of Virginia are also shown for comparison.

Table 3 – Demographic Summary

Demographic	Commonwealth of Virginia	York County	James City County	City of Williamsburg	City of Newport News
Total population, 2010 ^a	8,001,024	65,191	67,379	13,700	180,955
Total population, 2018 ^a	8,535,519	68,280	76,523	14,954	179,225
Percent change (2010–2018) ^a	↑ 6.7%	↑ 4.7%	↑ 13.6%	↑ 9.2%	↓ 1.0%
Percent minority (non-white) ^a	30.6%	24.6%	19.7%	25.5%	51.7%
Hispanic or Latino ^a	9.5%	6.6%	5.9%	7.1% ^c	9.2%
Median age ^b	38.3	39.2	46.8	24.6 ^c	33.8
Median household income ^a	\$71,564	90,367	\$83,048	56,153	\$51,884
Population in labor force (over 16 years old, 2014–2018) ^a	64.2%	60.6%	57.2%	48.6%	61.7%
Persons living below the poverty level ^a	10.7%	5.5%	7.0%	22.4%	15.5%
Limited English-speaking households ^c	2.7%	1.9%	1.8%	0.9%	2.6%
Households with a computer (2014–2018) ^a	89.9%	94.6%	93.7%	93.0%	89.8%
Households with a broadband Internet subscription (2014–2018) ^a	82.0%	89.8%	85.9%	85.2%	74.9%

a U.S. Census Bureau, 2020a – U.S. Census Bureau Quick Facts, <https://www.census.gov/quickfacts/fact/table/US/PST045219>

b U.S. Census Bureau – 2020b – American Community Survey 1-Year Estimates, <https://data.census.gov/cedsci>

c U.S. Census Bureau – 2020c – American Community Survey 5-Year Estimates, <https://data.census.gov/cedsci>

3.2.2 Employment

Employment in the Hampton Roads area is dominated by the military and military employment. The largest concentration of military in the United States is in the greater Hampton Roads area. Local military includes all five branches of the service—Army, Navy, Air Force, Marines, and Coast Guard. In 2018, NWS Yorktown and CAX employed 2,119 military personnel, 1,039 civilians, and 530 contractors (Navy Regional Mid-Atlantic Public Affairs Office, 2019).

Primary business sectors in the region include total government (federal, including DoD, as well as state and local), accommodations and food service, and retail trade. The top employers in York County are NWS Yorktown and CAX, York County Schools, the U.S. Coast Guard Station, York County government, and Sentara Williamsburg Regional Medical Center (York County, 2018). James City County is supported by employment in distributors/warehouse operations (Avid Medical/Owens & Minor, H&H Medical), hospitality/tourism/entertainment (Diamond Resorts, Kingsmill Resort), manufacturers (Anheuser Busch, Inc., Ball Metal Beverage Container Group), medical/health care (Riverside Regional Medical Center, Sentara Healthcare), and the public sector (County of James City, Eastern State Hospital) (James City County, 2020).

3.2.3 Environmental Justice Issues

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).

Executive Order 12898, *Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations*, signed in 1994, directs federal agencies to develop an environmental justice strategy identifying and addressing disproportionately high adverse human health or environmental effects of program policies and activities on minority and low-income populations.

In accordance with Executive Order 12898, USEPA developed an environmental justice screening and mapping tool called EJSCREEN. EJSCREEN uses data on low-income and minority populations at the Census-block-group level (rather than at the county or city level, as shown in **Table 3**), to develop a demographic index. USEPA uses EJSCREEN to help screen for areas that “may be candidates for additional consideration, analysis, or outreach.” The results of EJSCREEN do not, by themselves, determine where there are environmental justice concerns in a given area (USEPA, 2020a).

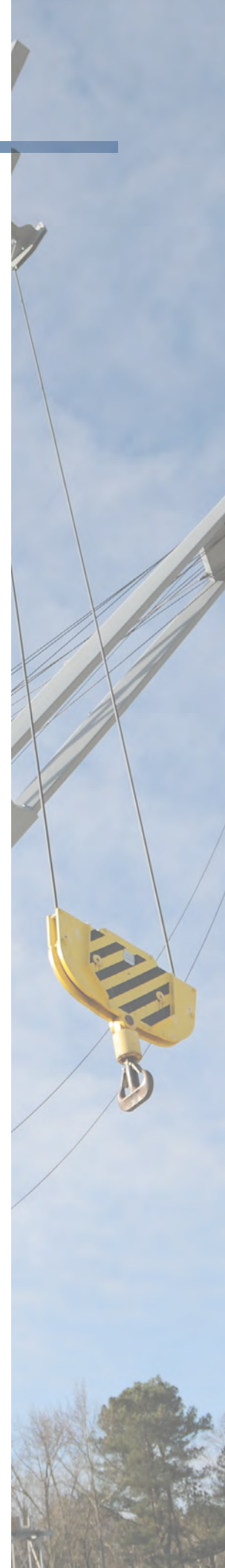


Figure 5 shows the demographic index for a 1-mile buffer around NWS Yorktown and CAX using EJSCREEN. Results of EJSCREEN are shown in terms of percentiles, indicating the percent of the U.S. population that has a higher value for low-income and minority indicators. Percentiles at or above 95 percent indicate those areas of particular concern for environmental justice issues. No areas around NWS Yorktown and CAX are above the 90th percentile on the demographic index. Two areas immediately southeast and southwest of NWS Yorktown fall into the 80th to 90th percentile (yellow), meaning that the population in those areas is potentially more susceptible to environmental concerns.

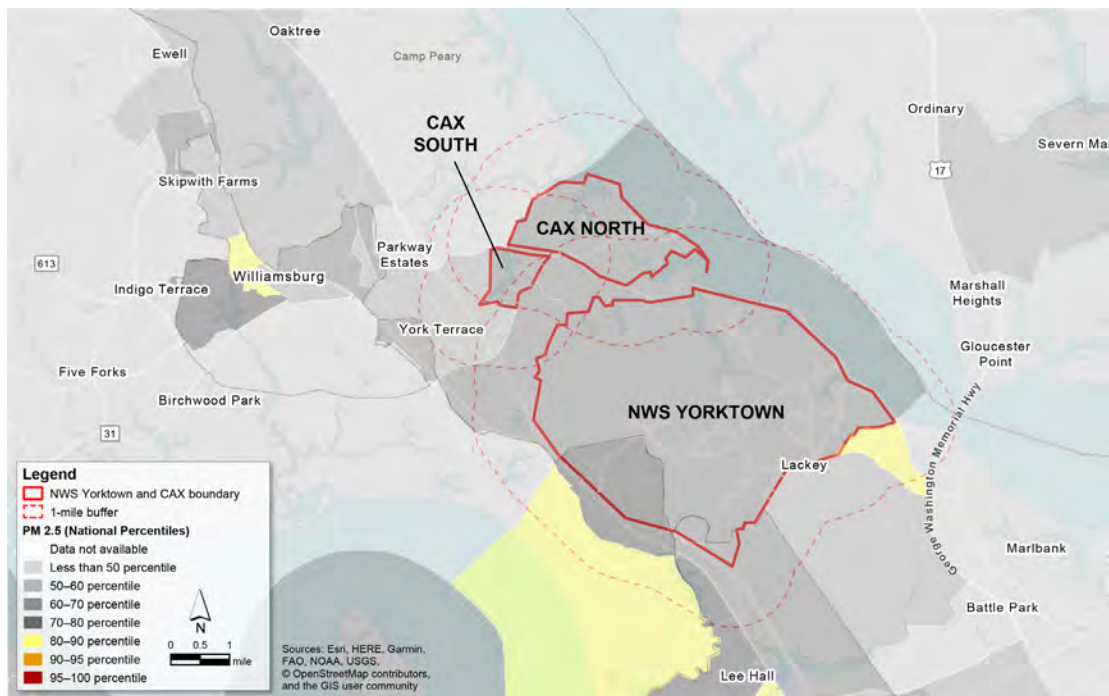


Figure 5 – Demographic Index Results from EJSCREEN

SECTION 4 Community Interests and Concerns

This section summarizes the history of community involvement activities at NWS Yorktown and CAX and community interests and concerns identified during previous CIPs. It presents the process used to gather information on current community concerns, perception, and preferences, along with a description of the process used to gather the current information.

4.1 History of Community Involvement at NWS Yorktown and CAX

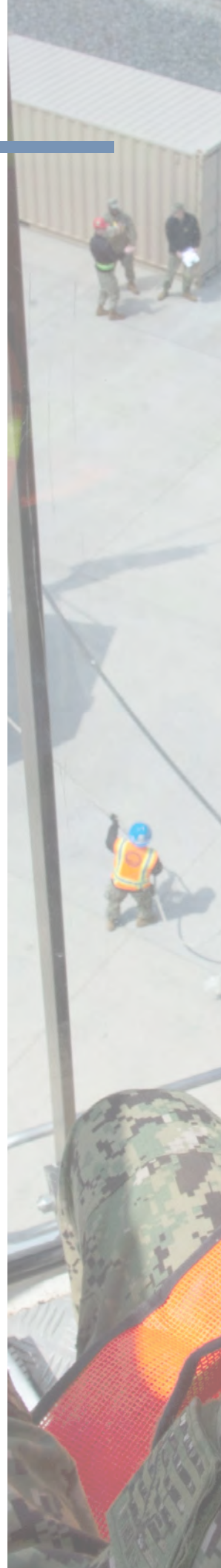
Community involvement activities related to the ERPs at NWS Yorktown and CAX have been documented through a series of CIPs (formerly called CRPs) dating back to 1991. This plan was issued or updated in 1991, 1994, 1999, 2002, 2006, 2009, 2014, and 2020.

However, community involvement and outreach did not begin with issuance of the first CRP. Nearby communities tend to have a close working relationship with the installations because many people in the surrounding area work there. The Public Affairs Office has maintained a working relationship with the public, elected officials, and media throughout the years, and installation personnel participate in community events to foster closer ties with the community.

Initially, CAX was part of the Naval Supply Center, and community involvement activities were conducted in conjunction with Yorktown Fuels and Craney Island. In December 1988, a Technical Review Committee was established, and the first meeting was held on January 6, 1989, at Yorktown Fuels for representatives from local government and the National Park Service as well as community members. Over time, however, public interest waned, and the Technical Review Committee was disbanded. Due to their proximity, a joint NWS Yorktown and CAX Restoration Advisory Board (**RAB**) was established in 1994, taking over the functions of the former CAX Technical Review Committee.

Currently, the RAB meets twice a year. The first meeting of the year, typically held in May, focuses on the ERP at NWS Yorktown, and the second meeting of the year (typically held in November) focuses on the ERP at CAX.

Community outreach has been conducted through the years and has included issuing fact sheets, holding regular RAB meetings and other public meetings as needed, and issuing public notices and holding public comment periods for specific documents and milestones. Site tours and briefings have been conducted, as needed, primarily for RAB members (the most recent site tour with RAB members was conducted in March 2020 at NWS Yorktown). Public meetings generally attract small groups of local residents, and media attention has been sparse.



4.2 Previous Community Interests and Concerns

Community input has been obtained over the years to facilitate CIP updates. Input was obtained by conducting community interviews, and, in some cases, distributing written questionnaires to community stakeholders. The following summarizes community interests and concerns identified in previous plans.

1991: 26 community stakeholders were interviewed. Results indicated that concerns were focused on the following:

- Water – Migration of contaminants to water supply wells and reservoirs; pollution in the York River and the potential to affect fishing and crabbing; pollution of the York County shoreline, beach closures, and the potential impact on tourism; and possible effects of York River pollutants upon the Chesapeake Bay.
- Money – Adequate funding availability to clean up the hazardous waste sites.
- Validity of Information – Due to the high-security nature of NWS Yorktown, the Navy has not always been able to release requested information to the public. However, the Navy planned to release all environmental information, which came as a surprise to community members, who expressed concern that the installation would be hiding some information. In general, misunderstanding and misinformation was cited as a major concern, having the potential to fuel rumors and cause NWS Yorktown to lose credibility.



Guided-missile destroyer USS Carney (DDG 64) prepares to transit through the George P. Coleman Memorial Bridge.

Source: Navy/Mass Communication Specialist 3rd Class Jonathan B. Trejo

2008–2009: Written questionnaires were mailed to approximately 3,000 residents living within 1 mile of the NWS Yorktown and CAX installation boundaries, handed out at tenants' meetings on the installations, and made available to installation residents and employees through the Public Affairs Office. A total of 480 questionnaires were returned. Telephone and in-person interviews were conducted with an additional seven people, representing County government, a civic organization, RAB members, and an environmental organization. The following summarizes results of this outreach:

- Trust – The local populace generally trusted the Navy and felt that the Navy had a good relationship with the community; the Navy was a good neighbor.
- Awareness – Local residents were generally, but not specifically, aware of environmental contamination on the installations and activities to address the contamination. Respondents were almost universally unaware of ways to get more information, such as RAB meetings and the NWS Yorktown and CAX information repository.
- Desire for more information – Respondents wanted more information about the ERPs at NWS Yorktown and CAX.

2014: Written questionnaires were mailed to approximately 2,700 residents living within 1 mile of the NWS Yorktown and CAX installation boundaries, handed out at tenants' meetings on the installations, and made available to installation residents and employees through the Public Affairs Office. One-hundred and eighteen questionnaires were returned. Interviews were also conducted with two additional local officials. The following summarizes results of this outreach:

- Concerns – The majority of respondents did not have any concerns regarding environmental cleanup at NWS Yorktown or CAX.
- Awareness – While respondents were almost universally unaware of ways to get more information, such as RAB meetings, the information repository, and the public websites, the percentage of those who were unaware had decreased between 2009 and 2014.
- Clarity of information – Of those respondents who were aware of the ways to get more information, they found the information to be easy to find and informative.
- Desire for more information – Respondents wanted more information about the ERPs at NWS Yorktown and CAX.

NAVFAC
Naval Facilities Engineering Command

WPNSTA Yorktown/CAX Community Involvement Plan Questionnaire

- Where do you live:
WPNSTA Yorktown CAX or Off-base, neighboring community
- Do/did you work:
WPNSTA Yorktown (No. of Years: ___), CAX (No. of Years: ___), or I don't/didn't work on either base
- Do you or any members of your family participate in any recreational activities offered at:
WPNSTA Yorktown?
Yes or No and/or CAX? Yes or No
- Did you know the Navy has an Environmental Restoration Program (ERP) that manages the investigation and clean-up of historical disposal sites at Navy installations?
Yes or No
- Did you know that ERP site investigations and clean-ups are on-going at WPNSTA Yorktown and CAX?
Yes or No
- Are you aware there is a Restoration Advisory Board (RAB) where representatives from the Navy, USEPA, and Virginia Department of Environmental Quality meet with the public twice a year to provide updates on WPNSTA Yorktown and CAX ERP? (meetings are held in May and November at the York County Public Library on George Washington Highway from 1:00 to from 3:00 PM)
Yes or No
- Are you aware that in addition to the RAB meetings, the Navy periodically holds public meetings at the York County Public Library to solicit public input on upcoming ERP site decisions at WPNSTA Yorktown and CAX?
Yes or No
- Have you ever attended a RAB or other public meeting?
Yes or No
 - If yes:
 - How often:
Once on occasion or frequently
 - On a scale of 1 to 5, with 5 being informative and 1 being not very informative, how informative were the presentations?
1 2 3 4 5 No opinion
 - If no:
 - Not aware Not interested Inconvenient day Inconvenient time Inconvenient location

4.3 Current Community Issues and Concerns

4.3.1 Process for Gathering Updated Community Input

To update this CIP, community input was solicited through telephone interviews and a questionnaire posted as a fillable .pdf posted on the NWS Yorktown and CAX ERP public websites. In May 2020, a postcard with a link to the questionnaire was mailed to approximately 2,800 residents living within 1 mile of the NWS Yorktown and CAX installation boundaries. Additionally, letters inviting recipients to participate in a phone interview or complete the questionnaire were mailed to approximately 60 stakeholders representing a broad-cross section of the community (elected officials, local government employees, business representatives, environmental group representatives, schools, churches, and other community organizations).

Because the outreach for this CIP was conducted during the COVID-19 global pandemic and the letters were mailed to stakeholders' offices while most people were working from home, follow-up emails with a copy of the letter and fillable .pdf of the questionnaire were also sent. **Appendix B** contains copies of the letter, postcard, and questionnaire. **Appendix C** contains the list of community stakeholders who received the letter.

Eleven completed questionnaires were received, two telephone interviews were conducted, and emails with comments were exchanged with two community stakeholders. Therefore, input was received from 15 individuals. Numbers listed in the summary of the responses may not add to 15 because not all respondents answered all questions.

4.3.2 Summary of Community Response

Appendix D contains the results of community input. The following are highlights of the community input received:

Residency and Familiarity with the Installations: Most respondents have lived and worked in the area for more than 11 years, a few 2 to 5 years, and one less than 2 years. Most were aware of the NWS Yorktown and CAX missions. No respondents have ever worked on the installations, but two had relatives that have worked or currently work on the installations. Only one person has used NWS Yorktown or CAX for recreational activities.

Awareness and Concern about the ERPs: Most respondents were aware (6) or vaguely aware (4) that the Navy is conducting an environmental cleanup program at the installations, while 4 were unaware. Specific interest in or concern about environmental restoration activities was evenly divided between NWS Yorktown and CAX.

Water quality generated the most interest and/or concern. When presented with options and asked to choose up to three, the order of interest/concern was ranked as follows: groundwater (12), surface water (8), health (7), wildlife/fish (4), and soil (4).

Respondents expressed concern about potential contamination to groundwater and surface water, particularly anything that might leave the installation. In general, respondents were less concerned if contamination is contained on the installations and is being addressed.

Specific comments or questions about the ERPs included the following:

- Cleanup should be done correctly.
- Interest in environmental restoration on properties adjacent to portions of James City County and within watersheds that provide drinking water to some County residents should be included in the ERP activities.
- The Navy should disclose what the contaminants are.
- Interest in whether environmental impacts are contained within the installation, and whether there are groundwater or other impacts beyond the installation perimeters.
- Interest in whether cleanup of certain areas would affect redevelopment.

Interest in the RAB: Only two respondents were aware of RAB meetings. One has attended, and nine expressed interest in attending future RAB meetings (their contact information has been added to the NWS Yorktown and CAX mailing lists). When asked about the best time of day for RAB meetings, respondents were evenly split between weekday afternoons before 5:00 p.m. and evenings.

Awareness of Information Repositories, Public Notices, and ERP Websites: Most respondents were unaware that ERP documents are available at the Yorktown Public Library for public review. For those who were aware of the information repository, they stated that it was an inconvenient location and/or had no interest in reviewing the ERP documents at the information repository. Respondents did not recommend an alternate location.

Most respondents have not seen public notices about the NWS Yorktown or CAX ERPs in the *Daily Press* or *Virginia Gazette*, and two added that they do not read those publications. More than half of the respondents were unaware of the NWS Yorktown and CAX ERP websites maintained by the Navy for the ERPs at each installation.

Local News Sources: Respondents indicated that they receive their local community news in several ways, but the most popular method is social media, including Facebook, Twitter, and others that were not specified. Additional local news sources include (in order of preference): websites (including newspaper websites) and newspapers, email and television, and then radio.



Facebook page of the *Daily Press*, based in Newport News, Virginia

Recommendations for Navy Communications: Respondents indicated that the Navy should communicate about the ERPs at NWS Yorktown and CAX through newspapers (particularly *WYDaily*) and newspaper websites, as well as posting information on the Navy websites (both installation and ERP websites). Other suggestions for means of communication included (in order of preference) emailing fact sheets, conducting RAB meetings, then email messages, releases to television and/or radio, and lastly direct mail.

Two respondents echoed each other with comments such as the Navy should “use every available communication means...” and “not everyone reads a paper or goes to the Internet, so need to use a variety of channels to cast a wide net.” Another respondent specifically suggested using newspaper websites and coordinating with local government public information resources. Another suggested including a fact sheet of RAB-significant events in the quarterly county updates mailed to each household.

Points of Contact: Most respondents were unsure about whom to contact regarding the ERP at either installation and specifically expressed a desire to know whom the appropriate contact is. Respondents gave a variety of answers in response to whom they might contact if they had any questions, including:

- A local government representative
- The community plans and liaison officer
- The York County Administrator
- NWS Yorktown website
- Installation commander
- Installation government relations
- Most appropriate RAB member for the question

Additional Comments: Respondents were asked to freely express anything additional about the ERPs at NWS Yorktown and CAX. Responses indicated an appreciation for the Navy’s efforts in restoring the environment, reaching out and sharing information, fostering transparency, and taking community involvement seriously. The comments also indicated a desire to protect water resources and the health of the community including wildlife in the area outside the installations.

Summary: In summary, responses indicate that the Navy has a good relationship with the community. Concerns about the ERPs tended to focus primarily on groundwater and surface water quality. Respondents tended to not express concern unless contamination affected groundwater or surface water outside the installation boundaries. Most respondents indicated general interest in the ERPs, and several expressed an interest in attending RAB and other public meetings, in addition to receiving updates.

SECTION 5 Community Involvement Program

This section presents the goals and objectives of the NWS Yorktown and CAX community involvement program and describes the specific techniques and activities that will be implemented to support the goals and objectives, taking into consideration the community's issues and concerns described in the previous section.

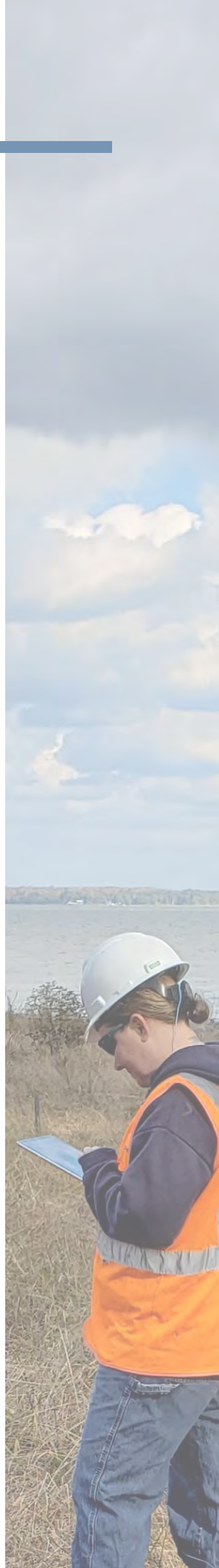
5.1 Goals and Objectives

The main goal of the NWS Yorktown and CAX community involvement program is to achieve effective, open communication between NWS Yorktown and CAX, the communities of York and James City counties, the cities of Newport News and Williamsburg, USEPA, and VDEQ.

The effectiveness of the NWS Yorktown and CAX 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.

The objectives of the NWS Yorktown and CAX community involvement program are to:

1. Inform community members of the ERPs and encourage public participation.
2. Assure the community at large that the health, welfare, and safety of their environment is of the utmost importance to the Navy (NWS Yorktown and CAX).
3. Provide information, in non-technical terms and in a proactive manner, concerning the ERPs in general, and the sites at critical stages in the process, to the civilian and military community, elected officials, and federal and state regulatory agency staff in a timely manner.
4. Provide interested community members, elected officials, and federal and state regulatory agency staff opportunities and avenues to present opinions and ideas during the ERP process.
5. Provide the media with interviews, briefings, and requested information, as available, in a timely manner to ensure accurate coverage of the ERP events.
6. Swiftly and effectively respond to expressed concerns of the civilian and military community, elected officials, and federal and state regulatory agency staff.



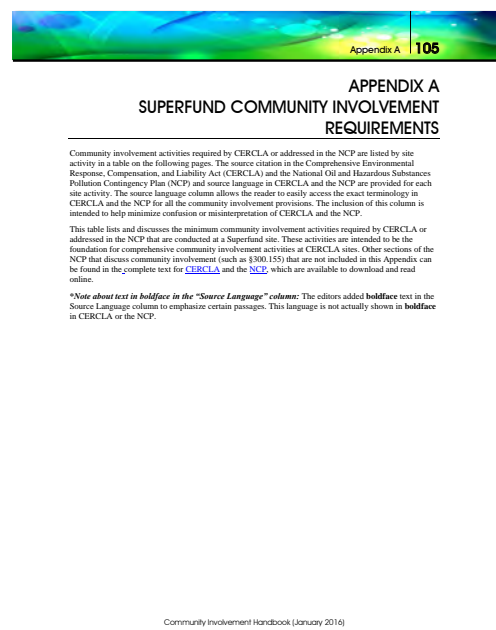
7. Cultivate and maintain a cooperative and productive, two-way dialogue with the civilian and military community, elected officials, and federal and state regulatory agency staff to ensure a climate of trust and understanding during the ERP process.
8. Provide a primary point of contact through which inquiries are directed to ensure continuity and reduce confusion.
9. Evaluate the effectiveness of the CIP during the ERP process and revise its methods and activities as deemed appropriate.

This CIP provides the framework for the ERPs' community involvement program. It has been completed in accordance with regulations and guidance for conducting community involvement activities related to environmental restoration, including the following:

- *Superfund Community Involvement Handbook* (USEPA, 2020)
- USEPA's *Community Involvement Toolkit* (2020b)
- Department of the Navy *Environmental Restoration Program Manual* (2018)
- 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)
- 32 CFR Part 202, Final Rule [for] Department of Defense Restoration Advisory Boards (Federal Register, 2006)
- DoD's *Restoration Advisory Board Rule Handbook* (March 2007)

5.1.1 Community Involvement Activities

CERCLA requires specific community involvement activities to be implemented at various steps in the environmental cleanup process so that the public is kept informed and has an opportunity to be involved in the decision-making process. The way that these required activities are implemented may be enhanced to increase opportunities for public involvement. The Navy implements additional activities, such as publicizing a single point of contact and maintaining ERP websites, and plans to conduct the community involvement activities described in the following subsections for the ERPs at NWS Yorktown and CAX.



5.2 Publicize a Point of Contact

Goal: To provide community members with clear points of contact for obtaining information about the ERPs.

Current Activities: The Navy has designated the PAO for NWS Yorktown and CAX as its primary point of contact for the ERPs at the installations. Ms. Susanne Greene is the current PAO for NWS Yorktown and CAX. The Public Affairs Office is listed as the primary point of contact on the NWS Yorktown and CAX ERP websites and in all articles, announcements, and advertisements. As the primary point of contact, Ms. Greene serves as the central information source for public and media inquiries.

Plan: The Navy will continue to publicize Ms. Greene as the primary point of contact on its ERP websites and in all articles, announcements, and advertisements. Should the main point of contact change, the ERP websites will be updated, and the new contact information will be publicized accordingly.

NWS YORKTOWN AND CAX PUBLIC AFFAIRS

Susanne Greene

email: susanne.greene@navy.mil

phone: 757-887-4939

5.3 Maintain and Update Mailing Lists

Goal: To enable the Navy to mail or email information to stakeholders about the ERPs.

Current Activities: The Navy maintains a mail and email list of people to notify for upcoming RAB meetings and other significant ERP activities, such as the start of public comment periods. New stakeholders are added to the list upon request.

Plan: The Navy will continue to maintain its existing mailing list and add new stakeholders upon request. Specific targeted mailing lists will be established, maintained, and updated as needed based on site activities.

5.4 Maintain the Information Repository and Administrative Record

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

Current Activities: The Navy maintains an information repository containing current documents of potential public interest such as the current Site Management Plan, CIP, fact sheets, and documents available for public review and comment.

The NWS Yorktown and CAX information repository is located at the York County Public Library, in Yorktown, less than 4 miles from NWS Yorktown.

The Administrative Record is maintained online and available on the ERP websites for each installation.



Table 4 shows the location of the information repository and online Administrative Records.

Plan: The Navy will continue to maintain and update the information repository and administrative records as work continues under the ERPs. The Navy will seek to expand the content of the information repository to include more general information about CERCLA and about the ERPs at NWS Yorktown and CAX. Documents prepared as handouts for RAB or public



The NWS Yorktown and CAX Information Repository is located in the York County Library in Yorktown, Virginia.

Source: CH2M

meetings may also be placed in the information repository for a specified period of time following the meeting. Every fact sheet and public notice that is issued about the NWS Yorktown and CAX ERPs will identify the location of the information repository, and these fact sheets should be placed in the information repository. Should the library be closed during a public comment period for an extended period, alternative methods will be implemented to ensure that people have access to hard copies of documents if requested.

The Administrative Record will continue to be maintained on the NWS Yorktown and CAX ERP websites. After the last Record of Decision has been signed, the Administrative Record can be closed, while a records file may remain open for post-Record of Decision documents, such as Five-Year Reviews. Alternately, the Navy may simply choose to keep the Administrative Record open until the installations have been delisted from the NPL.

Table 4 – NWS Yorktown and CAX Information Repository and Administrative Record Locations

Information Repository	Location	Hours (call to verify)	Contact
Yorktown Library	8500 George Washington Memorial Highway Yorktown, VA 23692	Monday–Thursday: 10:00 a.m. to 7:00 p.m. Friday and Saturday: 10:00 a.m. to 5:00 p.m. Closed Sunday <i>Hours may be subject to change during COVID-19 pandemic.</i>	(757) 890-3377

NWS Yorktown Administrative Record: https://www.navfac.navy.mil/products_and_services/ev/products_and_services/env_restoration/administrative_records.html?p_instln_id=YORKTOWN_NWS

CAX Administrative Record: https://www.navfac.navy.mil/products_and_services/ev/products_and_services/env_restoration/administrative_records.html?p_instln_id=WILLIAMSBURG_FISC

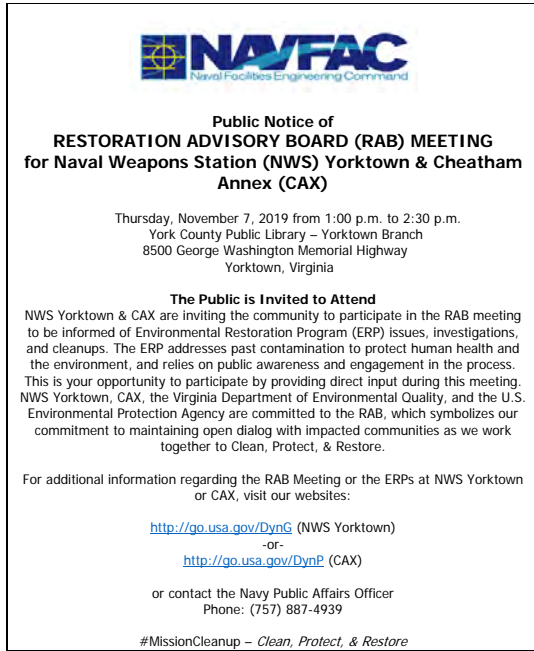
5.5 Publish Public Notices


Goal: To notify interested persons about events and activities related to the ERPs and to meet regulatory requirements for advertising comment periods and public hearings.

Current Activities: The Navy publishes public notices in the *Daily Press* and the *Virginia Gazette* and on the NWS Yorktown and CAX ERP websites to announce RAB meetings, other public meetings, public comment periods, and when Records of Decision are completed and available. **Appendix A** contains a public notice example.

Plan: The Navy will continue to publish public notices in local newspapers as required, as well as continue to post the notices on the NWS Yorktown and CAX ERP websites. Notices will be published approximately 2 weeks before a public meeting or beginning of a public comment period.

In response to community comments, the Navy will consider publishing in *WYDaily* and ensuring that the public notices also appear in the newspapers' website editions. In addition, the Navy will consider publicizing RAB meetings, other public meetings, and comment periods using online event calendars, municipal push notifications (messages sent when a person signs up to receive notifications about certain issues from the municipality), and appropriate installation and municipal Facebook pages.




Naval Facilities Engineering Command

**Public Notice of
RESTORATION ADVISORY BOARD (RAB) MEETING
for Naval Weapons Station (NWS) Yorktown & Cheatham
Annex (CAX)**

Thursday, November 7, 2019 from 1:00 p.m. to 2:30 p.m.
York County Public Library – Yorktown Branch
8500 George Washington Memorial Highway
Yorktown, Virginia

The Public is Invited to Attend
NWS Yorktown & CAX are inviting the community to participate in the RAB meeting to be informed of Environmental Restoration Program (ERP) issues, investigations, and cleanups. The ERP addresses past contamination to protect human health and the environment, and relies on public awareness and engagement in the process. This is your opportunity to participate by providing direct input during this meeting. NWS Yorktown, CAX, the Virginia Department of Environmental Quality, and the U.S. Environmental Protection Agency are committed to the RAB, which symbolizes our commitment to maintaining open dialog with impacted communities as we work together to Clean, Protect, & Restore.

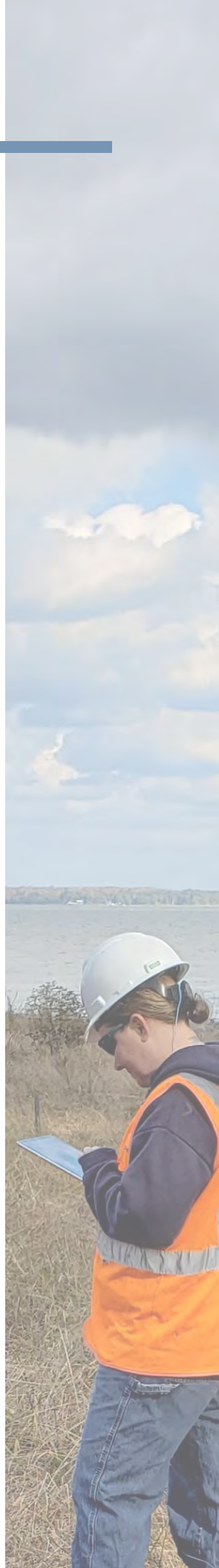
For additional information regarding the RAB Meeting or the ERPs at NWS Yorktown or CAX, visit our websites:

<http://go.usa.gov/DynG> (NWS Yorktown)
- or -
<http://go.usa.gov/DynP> (CAX)

or contact the Navy Public Affairs Officer
Phone: (757) 887-4939

#MissionCleanup – Clean, Protect, & Restore

The Navy publishes public notices in multiple traditional and social media outlets.



5.6 Maintain the Restoration Advisory Board

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

Current Activities: NWS Yorktown and CAX maintain a joint RAB that meets twice yearly (typically in May and November) to review and discuss cleanup actions and alternatives. All RAB meetings are open to the public. At the November 2019 RAB meeting, a decision was made to focus the RAB meetings on NWS Yorktown at the first meeting of each year, and on CAX at the second meeting of the year. By splitting the focus of the RAB meetings, community members who are interested in one installation can attend the appropriate meeting. In addition, splitting the focus of the meetings will enable presentations and meetings to be shorter and more focused.



Source: CH2M

The NWS Yorktown and CAX RAB is co-chaired by the NWS Yorktown Commanding Officer and a community member elected by other community members of the RAB as the community co-chair. RAB members receive phone calls, mailings, and email reminders of upcoming RAB meetings.

As required, the Navy publishes newspaper notices announcing upcoming RAB meetings. Notices are published in the *Virginia Gazette* and the *Daily Press*. In addition, the Navy also places notices on the ERP websites, and sends email notifications or postcards to those on the mailing list. RAB meeting minutes are recorded during each meeting, which are posted on the ERP websites and placed in the information repository at the Yorktown Library.

Plan: The community involvement program at NWS Yorktown and CAX will continue to enlist the support and cooperation of the RAB members by providing regular information to members and actively seeking their input into remedial decisions. These individuals are considered a key resource in efforts to communicate openly and effectively with the community at large.

In spite of the newspaper advertisements and regular/email notifications, CIP respondents were not aware of the RAB. The Navy will update the mailing list with contacts that were provided, will continue to send regular email or postcard notifications about upcoming RAB meetings, and will update the ERP websites prior to each RAB meeting. In addition, the Navy will consider publicizing RAB meetings using existing city and county online event calendars, municipal push notifications, and appropriate installation and municipal Facebook pages. The Navy may also email RAB minutes to community members who attended the RAB meeting.

5.7 Provide Comment Periods

Goal: To provide the public with an opportunity for meaningful involvement in the decision-making process and to provide the Navy with community input before cleanup decisions are made.

Current Activities: As required by CERCLA, public comment periods are held at milestones in the environmental cleanup process and are often accompanied by a public meeting. These milestones include a Proposed Plan, Engineering Evaluation and Cost Analysis, or Action Memorandum. Public comment periods are typically held for 30 to 45 days, allowing time for interested parties to review and comment on the proposed action.

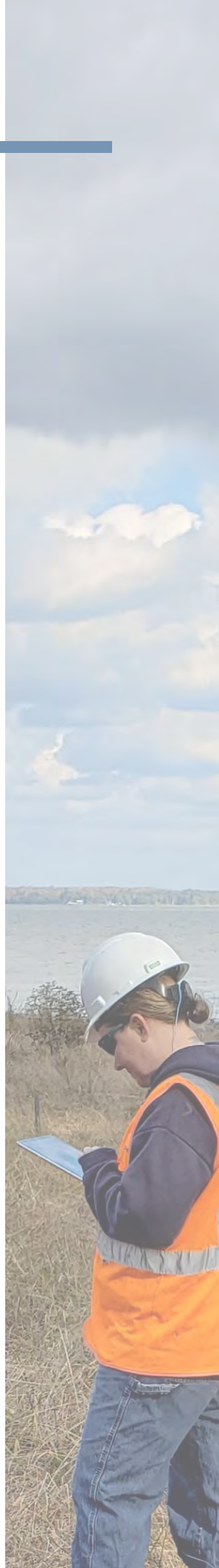
Public notices are published to announce the public comment period. The notices include a brief description of the document, where to obtain more information, and how to submit written comments. Documents associated with public comment periods are made available in the information repository at the library and in the Administrative Record on the ERP websites.

When a public meeting is held during a public comment period, verbal comments will be recorded by a court reporter. Community members may 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 Responsiveness Summary in Records of Decision.

Plan: The Navy will continue to advertise public comment periods in the *Daily Press* and the *Virginia Gazette*. In response to community comments, the Navy will consider publishing in *WYDaily* and ensuring that the public notices also appear in the newspapers' website editions. In addition, the Navy will consider publicizing comment periods using online event calendars, municipal push notifications, and appropriate installation and municipal Facebook pages.



Cheatham Pond near CAX IRP Site 7
Source: CH2M



5.8 Hold Public Meetings

Goal: To provide the public with a chance to learn about the status of specific site cleanups and to discuss questions, concerns, and comments on proposed remediation alternatives. Public meetings are typically focused on a specific site or issue and are separate from RAB meetings.

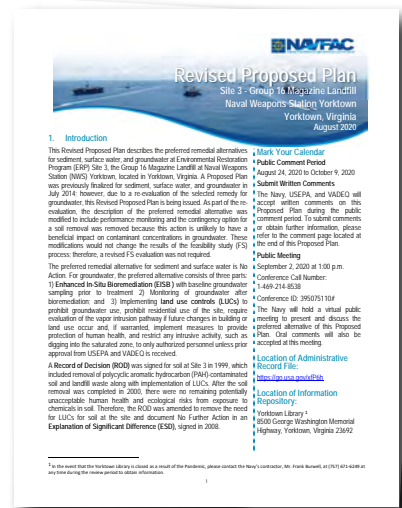
Current Activities: Public meetings are held as required for specific technical activities, such as during the public comment period on Proposed Plans. Public meetings and RAB meetings are typically held at the Yorktown Library. This library offers a well-equipped, accessible meeting room that is convenient to both NWS Yorktown and CAX employees and local community residents and does not require entry to the installation through security checkpoints. Recent public meetings during public comment periods have been held on a weekday afternoon following a RAB meeting.

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 public notice advertising a public meeting is published in the local newspaper, currently the *Daily Press* and the *Virginia Gazette*. In addition, the Navy also places notices on the ERP websites.

For public meetings associated with Proposed Plans, a transcript is prepared by a court reporter and made available to the public at the information repository and placed in the Administrative Record.

Plan: The Navy will continue to hold public meetings as required by CERCLA. Virtual public meetings may be held should gathering in person not be a viable option at the time. The NWS Yorktown and CAX public meetings will continue to be held at the Yorktown Public Library; however, alternate locations may be considered as needed or requested.

The Navy will continue to advertise the public meetings in the *Daily Press* and the *Virginia Gazette*. In response to community comments, the Navy will consider publishing in *WYDaily* and ensuring that the public notices also appear in the newspapers' website editions. In addition, the Navy will consider publicizing public meetings using online event calendars, municipal push notifications, and appropriate installation and municipal Facebook pages.



In a September 2020 virtual public meeting, the Navy reported on the status of proposed cleanup alternatives outlined in the NWS Yorktown Site 3 Landfill Proposed Plan.

5.9 Prepare Responsiveness Summaries

Goal: To summarize comments received during public comment periods and to document how the comments were considered during the decision-making process.

Current Activities: As required by CERCLA, a Responsiveness Summary is prepared following a public comment period to document the comments received and the Navy responses to major comments. The summary informs decision-makers about the community preferences and concerns. It also provides the public with documentation of the concerns raised and the Navy's responses. The Responsiveness Summary is included in the Record of Decision (or Action Memorandum) and placed in the information repository and Administrative Record file.

Plan: The Navy will continue to issue Responsiveness Summaries as a part of Records of Decision (or Action Memorandums) as required.

5.10 Prepare and Distribute Fact Sheets

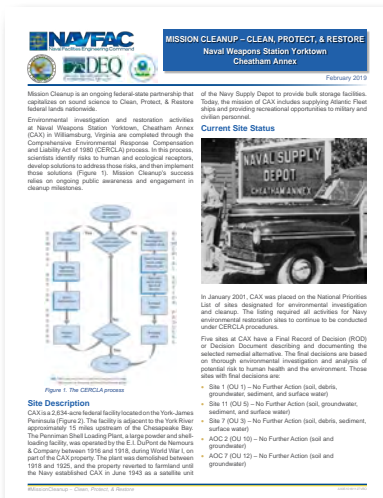
Goal: To provide current, accurate, easy-to-understand information about ERP activities.

Current Activities: The Navy currently produces fact sheets as required under CERCLA or as needed to communicate a specific issue, such as fishing on the installation, indoor air quality in specific buildings, and cabin rentals during ERP fieldwork. Both installations also regularly produce fact sheets describing the status of the ERPs installation-wide, as well as fact sheets related to specific milestones and sites, such as Proposed Plans, signed Records of Decision, and removal actions.

Fact sheets are distributed various ways—handed out at a RAB meeting, sent to the mailing list, placed in the Yorktown Library (where the RAB and public meetings are held), and/or placed in common areas of installation housing. For specific on-installation issues, fact sheets are distributed to the appropriate target audience, such as recreational users or those who live or work near the site featured in the fact sheet.

Appendix A contains examples of fact sheets.

The Navy produces fact sheets about ERP activities and distributes them in various ways.



Plan: NWS Yorktown and CAX ERPs will continue to develop CERCLA-required fact sheets, as well as installation-wide ERP updates and site-specific fact sheets as needed. However, community input indicated that people are not as aware of ERP activities as they would like to be. Therefore, the Navy will consider expanding the methods used to distribute fact sheets, particularly the installation-wide ERP summaries, and Five-Year Review fact sheets. Additional methods for distribution may include the following:

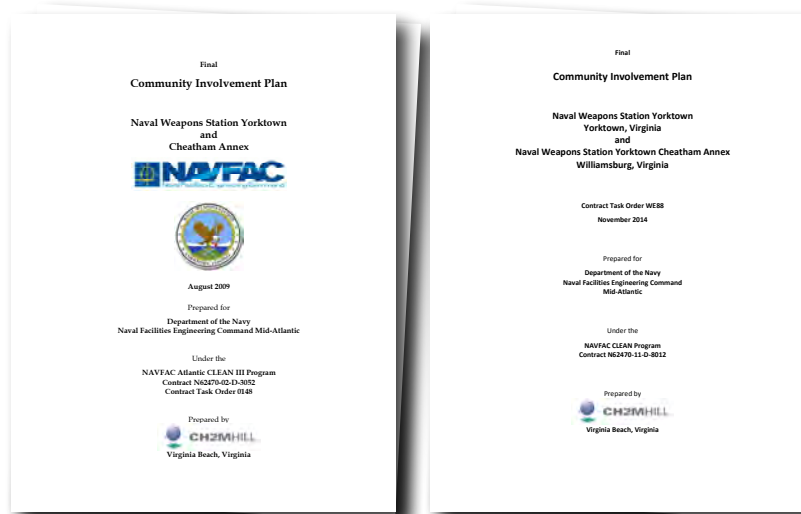
- Issuing a press release with a copy of the fact sheet to local media.
- Sending fact sheets to local city and county officials for distribution through their own networks and placement on municipal websites and social media sites.
- Placing links to fact sheets on the NWS Yorktown and CAX websites and installation Facebook pages.
- Distributing fact sheets through installation email networks, including installation housing.

5.11 Update the Community Involvement Plan

Goal: To describe how the Navy will communicate with the public throughout the ERP process.

Current Activity: In accordance with CERCLA, revision of the CIP is considered after a Record of Decision is signed, if significant community concerns are discovered that pertain to the Remedial Design and construction phase, or as appropriate when a major change in the ERPs at NWS Yorktown and/or CAX occurs. Otherwise, it is updated approximately every 5 years following Navy guidance. Updates typically include solicitation for input from the community through questionnaires and interviews, and the responses are taken into consideration when developing the update. The CIP is made available to the public in the information repository and the Administrative Record.

Plan: This CIP will continue to be revised/updated in accordance with CERCLA and Navy guidance, made available to the public in the information repository, in the Administrative Record, and on the installation ERP websites.



The Navy updates the CIP approximately every 5 years.

5.12 Provide Technical Assistance Opportunities

Goal: To enable the RAB to obtain technical assistance to help them better understand and provide input to the ERPs.

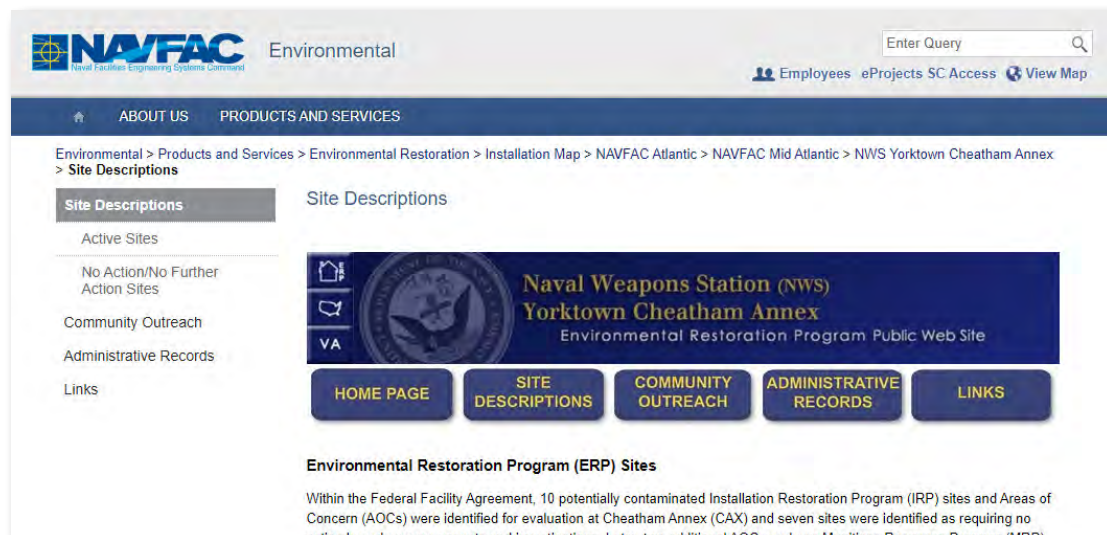
Current Activities: Because NWS Yorktown and CAX are listed on the NPL, two grant programs are available to provide funds to enable RABs or an established community group to hire a qualified person to provide technical assistance. The TAPP program has been established by the DoD and the Technical Assistance Grant (TAG) program has been established by USEPA. Information about these programs is provided to the RAB periodically, approximately every 5 years. The RAB co-chair or any environmental group may request information about these programs.

Plan: The Navy and USEPA will offer to make a presentation on technical assistance opportunities at a RAB meeting at least once every 5 years or as warranted by any significant or especially complex ERP activities.

5.13 Maintain Updated Websites

Goal: To enable community members to access key information about CERCLA in general and more detailed information about the ERPs at NWS Yorktown and CAX on their own time and convenience. Maintaining an ERP website is not a CERCLA-required activity, but it is an effective way for people to access information.

Current Activities: The Navy maintains public websites for information about the ERPs at NWS Yorktown and CAX. The websites provide historical and overview information about the ERPs, as well as contact information and access to the Administrative Record. In addition, USEPA maintains site-specific websites for NWS Yorktown and CAX. General information about USEPA and CERCLA can be found at the USEPA Superfund website. Links to these and other relevant websites are provided on the NWS Yorktown and CAX websites. **Table 5** provides these website addresses.

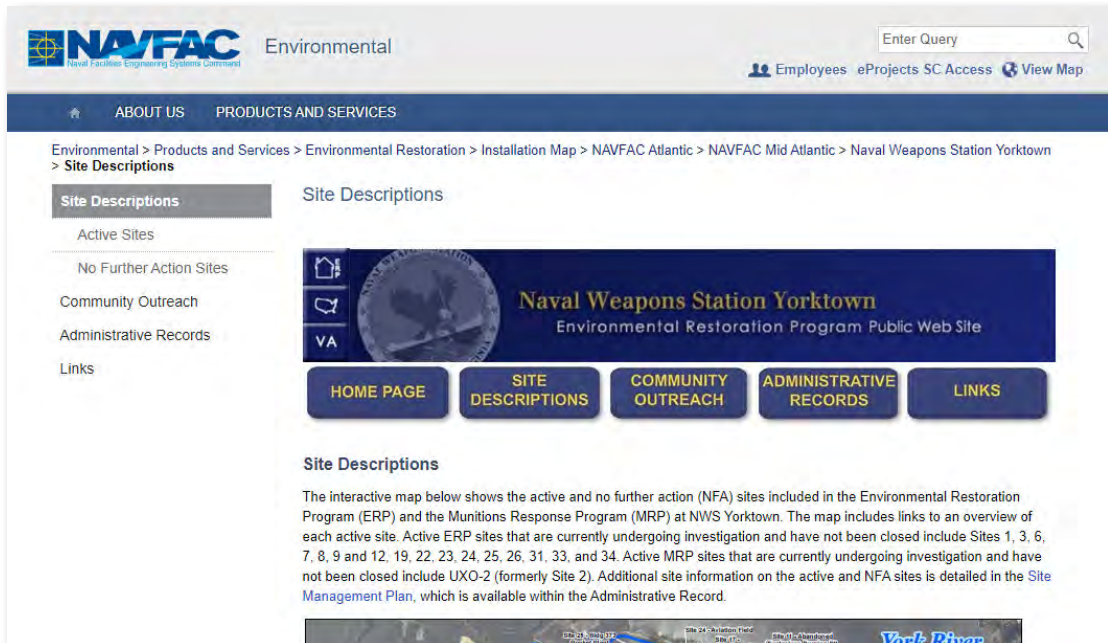


The screenshot displays the NAVFAC Environmental website interface. At the top, the NAVFAC logo is visible alongside the text 'Environmental'. A search bar with the placeholder 'Enter Query' and a magnifying glass icon is located in the upper right corner. Below the search bar, there are links for 'Employees', 'eProjects', 'SC Access', and 'View Map'. The main navigation menu includes 'ABOUT US' and 'PRODUCTS AND SERVICES'. The breadcrumb trail reads: 'Environmental > Products and Services > Environmental Restoration > Installation Map > NAVFAC Atlantic > NAVFAC Mid Atlantic > NWS Yorktown Cheatham Annex > Site Descriptions'. On the left side, there is a sidebar with 'Site Descriptions' selected, showing sub-links for 'Active Sites', 'No Action/No Further Action Sites', 'Community Outreach', 'Administrative Records', and 'Links'. The main content area features a large blue banner with the NWS logo and the text 'Naval Weapons Station (NWS) Yorktown Cheatham Annex Environmental Restoration Program Public Web Site'. Below the banner are five buttons: 'HOME PAGE', 'SITE DESCRIPTIONS', 'COMMUNITY OUTREACH', 'ADMINISTRATIVE RECORDS', and 'LINKS'. At the bottom of the screenshot, the text 'Environmental Restoration Program (ERP) Sites' is visible, followed by a paragraph of text that is partially cut off.

Table 5 – Navy and Regulatory Agency Websites

Website	Long URL Address	Short URL Address
Navy ERP Site for NWS Yorktown	https://www.navfac.navy.mil/products_and_services/ev/products_and_services/env_restoration/installation_map/navfac_atlantic/midlant/yorktown.html	https://go.usa.gov/xfP6h
Navy ERP Site for CAX	https://www.navfac.navy.mil/products_and_services/ev/products_and_services/env_restoration/installation_map/navfac_atlantic/midlant/hws_yorktown_cheatham_annex.html	http://go.usa.gov/DynP
USEPA Site for NWS Yorktown	https://cumulis.epa.gov/supercpad/cursites/csinfo.cfm?id=0302869	N/A
USEPA site for CAX	https://cumulis.epa.gov/supercpad/cursites/csinfo.cfm?id=0302848	N/A
USEPA Superfund	https://www.epa.gov/superfund	N/A

Plan: The Navy will continue to regularly maintain and update the NWS Yorktown and CAX ERP websites. When significant actions occur, such as remedial construction, photos and updated information may also be added to the websites. Documents such as fact sheets, final RAB minutes, CIP updates, the annual Site Management Plan Update, the Five-Year Review, and other documents of interest to the public will also be posted on the appropriate installation website.



5.14 Timing of Community Involvement Activities

To achieve the objectives of informing the public and providing a means of two-way communication, many community involvement activities are performed on an ongoing basis. **Table 6** summarizes the general timing of the community involvement activities described in this CIP for NWS Yorktown and CAX.

Table 6 – Timing of Community Involvement Activities

Activity	Annually	Once Every 5 Years	As Needed or as Appropriate	As Required by CERCLA
Publicize a Point of Contact			■	■
Maintain and Update Mailing Lists			■	■
Maintain the Information Repository and Administrative Record			■	■
Publish Public Notices			■	■
Maintain the RAB	■			■
Provide Comment Periods			■	■
Hold Public Meetings			■	■
Prepare Responsiveness Summaries				■
Prepare and Distribute Fact Sheets	■		■	■
Update the CIP		■	■	■
Provide Technical Assistance Opportunities			■	■
Maintain Updated Websites			■	

In addition to ongoing community involvement activities, some activities are associated with specific CERCLA program milestones. **Table 7** shows the community involvement activities that are required or recommended for the various steps in the CERCLA process.



Fieldwork for Remedial Investigation activities at CAX
Source: CH2M

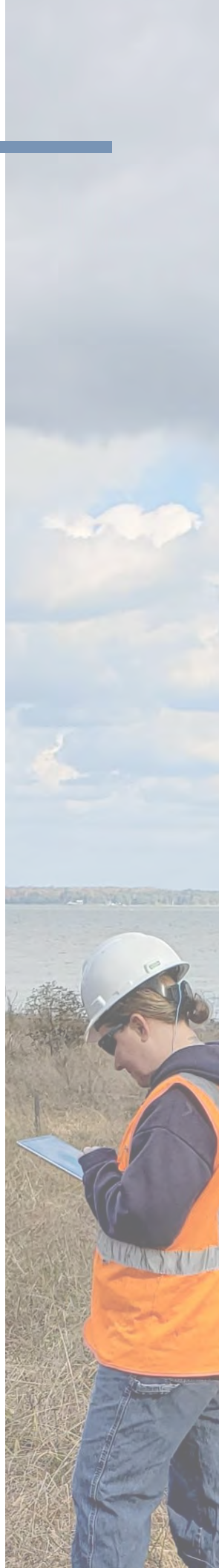


Table 7 – Timing of Required and Recommended Community Involvement Activities with CERCLA Milestones

Activity	Information Repository	Administrative Record	TAG/TAPP Information	Public Notice	Public Meetings	Public Comment Period	Responsiveness Summary	CIP	Fact Sheets
Preliminary Assessment	■		■		○			■	○
Site Inspection	↓		↓						
Remedial Investigation	↓	■	↓	■ ^a	○	■ ^a			○
Feasibility Study									
Proposed Plan	↓	↓	↓	■	■ ^b	■			■ ^c
Pre-ROD	↓	↓	↓	○	○	■	■		○
Significant Changes									
Record of Decision	↓	↓	↓	■	○		■	■ ^d	○
Post-ROD Significant or	↓	↓	↓	■	■ ^b	■	■		○
Fundamental Changes									
Remedial Design/ Remedial Action				○	■ ^e				■ ^e
Removal Action (< 6 Months)		■		■	○	■	■		○
Removal Action (> 120 Days)	■	■		■	○	■	■	■ ^d	○
Removal Action (> 6 Months)	■	■		■	○	■	■	■ ^d	○
Five-Year Review	○	○		■ ^f	○	○			○

Sources:

- Superfund Community Involvement Handbook* (USEPA, 2020).
- Department of the Navy *Environmental Restoration Program Manual* (Navy, 2018)
- NAVFAC *Environmental Toolkit for Five-Year Reviews* (NAVFAC, 2013)
- USEPA *Comprehensive Five-Year Review Guidance* (USEPA, 2001)

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

- a. Only for the first Remedial Investigation and Feasibility Study at a site, to coincide with and announce establishment of the Administrative Record.
- b. An opportunity for a public meeting must be made available.
- c. Proposed Plans are typically developed in a fact sheet format. If a more formal report format is used, a summary fact sheet should be prepared.
- d. The CIP should be reviewed to determine whether an update is required.
- e. The National Contingency Plan 40 CFR 300.435(c)(3) requires a fact sheet and public briefing as appropriate at the Remedial Design stage. For military installations with multiple sites, this step is typically performed only if Remedial Actions are for releases outside installation boundaries or are of particular interest or concern to the surrounding community.
- f. "Public notification" (not specifically a public notice) is required twice - when the Five-Year Review is beginning and when that review has been completed, to provide the results of the review.

SECTION

6 References

- A. T. Kearney, Inc. 1992. *RCRA Solid Waste Management Unit Investigation, Naval Weapons Station Yorktown, Yorktown, Virginia*. December.
- Baker. 1997. *Feasibility Study Sites 1 and 3, Naval Weapons Station Yorktown, Yorktown, Virginia*.
- C.C. Johnson & Associates, Inc. and CH2M HILL. 1984a. *Initial Assessment Study of Weapons Station Yorktown, Yorktown, Virginia*. July.
- C.C. Johnson & Associates, Inc., and CH2M HILL. 1984b. *Initial Assessment Study of Cheatham Annex, Williamsburg, Virginia*. July.
- CH2M HILL. 2014. *Final Community Involvement Plan, Naval Weapons Station Yorktown, Yorktown, Virginia, and Naval Weapons Station Yorktown Cheatham Annex, Williamsburg, Virginia*. November.
- CH2M HILL. 2020. *Site Management Plan Fiscal Years 2021–2022, Naval Weapons Station Yorktown Cheatham Annex, Williamsburg, Virginia*. November.
- CH2M HILL. 2020. *Final Site Management Plan Fiscal Years 2021–2022, Naval Weapons Station Yorktown, Yorktown, Virginia*. July.
- Department of Defense (DoD). 2007. *Restoration Advisory Board Rule Handbook*. March.
- Department of the Navy. 2018. *Environmental Restoration Program Manual*.
- 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, 1998.
- 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, 2006.
- James City County. 2020. Accessed July 2020.
<https://jamescitycountyva.gov/3163/Major-Employers>
- Naval Facilities Engineering Command (NAVFAC). 2013. *Final Toolkit for Preparing Five-Year Reviews*. December.
- Navy Regional Mid-Atlantic Public Affairs Office. 2019. *News Media Advisory: Navy releases FY18 Hampton Roads Economic Impact Report, provides nearly \$2 Billion increase to local economy over FY17*. Accessed July 2020.
[https://www.cnic.navy.mil/content/dam/cnic/cnrma/pdfs/economic_impact/economic_impact_\(FY2018\).pdf](https://www.cnic.navy.mil/content/dam/cnic/cnrma/pdfs/economic_impact/economic_impact_(FY2018).pdf)



- Newport News Public Schools, 2020. Accessed July 2020. <http://sbo.nn.k12.va.us/>
- NWS Yorktown, 2019. *Consumer Confidence Report*, Delivered 1 July 2020.
- Tetra Tech (2020). *Draft Preliminary Assessment Documenting Potential Sources of Per- and Polyfluoroalkyl Substances, Naval Weapons Station Yorktown, Yorktown, Virginia*. January.
- United States Census Bureau. 2020a. *State and County QuickFacts*. Accessed July 2020. <https://www.census.gov/quickfacts/fact/table/US/PST045219>
- U.S. Census Bureau, 2020b. *American Community Survey 1-Year Estimates*. Accessed July 2020. <https://data.census.gov/cedsci>
- U.S. Census Bureau, 2020c. *American Community Survey 5-Year Estimates*. Accessed July 2020. <https://data.census.gov/cedsci>
- United States Environmental Protection Agency (USEPA). 1994. *Federal Facility Agreement for Naval Weapons Station Yorktown, Yorktown, Virginia*. September.
- USEPA. 2001. *Comprehensive Five-Year Review Guidance*. June.
- USEPA. 2011. *Plan EJ 2014, Office of Environmental Justice*. September.
- USEPA. 2020. *Superfund Community Involvement Handbook*. March.
- USEPA. 2020a. *Environmental Justice Program*. Accessed July 2020. <http://www.epa.gov/environmentaljustice/>
- USEPA. 2020b. *Community Involvement Toolkit*. Accessed July 2020. <https://www.epa.gov/superfund/superfund-community-involvement-tools-and-resources>
- USEPA. 2020c. *Technical Assistance Grants (TAGs)*. Accessed July 2020. <https://www.epa.gov/superfund/technical-assistance-grant-tag-program>
- Versar. 1991. *Remedial Investigation Interim Report, Naval Weapons Station Yorktown, Yorktown, Virginia*. July 1991. [Revision of Dames & Moore's 1989 *Draft Remedial Investigation Interim Report, Naval Weapons Station, Yorktown, Virginia*.]
- Williamsburg – James City County Public Schools. 2020. Accessed July 2020. <https://wjccschools.org/>
- York County. 2013. *York County, 2035 Comprehensive Plan*. Accessed July 2020. <https://www.yorkcounty.gov/200/2035-Comprehensive-Plan>
- York County. 2018. *York County Virginia Economic Development, 2018 Annual Report*. Accessed July 2020. www.yesyorkcounty.com
- York County School Division. 2020. Accessed July 2020. <https://yorkcountyschools.org/>

APPENDIX A

Example Fact Sheets and Public Notice



Mission Cleanup is an ongoing federal-state partnership that capitalizes on sound science to Clean, Protect, & Restore federal lands nationwide.

Environmental investigation and restoration activities at Naval Weapons Station Yorktown, Cheatham Annex (CAX) in Williamsburg, Virginia are completed through the Comprehensive Environmental Response Compensation and Liability Act of 1980 (CERCLA) process. In this process, scientists identify risks to human and ecological receptors, develop solutions to address those risks, and then implement those solutions (Figure 1). Mission Cleanup’s success relies on ongoing public awareness and engagement in cleanup milestones.

of the Navy Supply Depot to provide bulk storage facilities. Today, the mission of CAX includes supplying Atlantic Fleet ships and providing recreational opportunities to military and civilian personnel.

Current Site Status

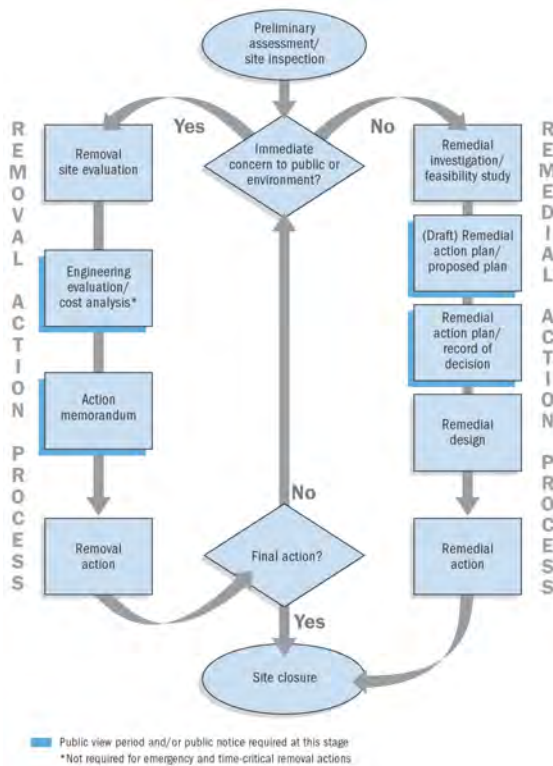


Figure 1. The CERCLA process

Site Description

CAX is a 2,634-acre federal facility located on the York-James Peninsula (Figure 2). The facility is adjacent to the York River approximately 15 miles upstream of the Chesapeake Bay. The Penniman Shell Loading Plant, a large powder and shell-loading facility, was operated by the E.I. DuPont de Nemours & Company between 1916 and 1918, during World War I, on part of the CAX property. The plant was demolished between 1918 and 1925, and the property reverted to farmland until the Navy established CAX in June 1943 as a satellite unit

In January 2001, CAX was placed on the National Priorities List of sites designated for environmental investigation and cleanup. The listing required all activities for Navy environmental restoration sites to continue to be conducted under CERCLA procedures.

Five sites at CAX have a Final Record of Decision (ROD) or Decision Document describing and documenting the selected remedial alternative. The final decisions are based on thorough environmental investigation and analysis of potential risk to human health and the environment. Those sites with final decisions are:

- Site 1 (OU 1) – No Further Action (soil, debris, groundwater, sediment, and surface water)
- Site 11 (OU 5) – No Further Action (soil, groundwater, sediment, and surface water)
- Site 7 (OU 3) – No Further Action (soil, debris, sediment, surface water)
- AOC 2 (OU 10) – No Further Action (soil and groundwater)
- AOC 7 (OU 12) – No Further Action (soil and groundwater)

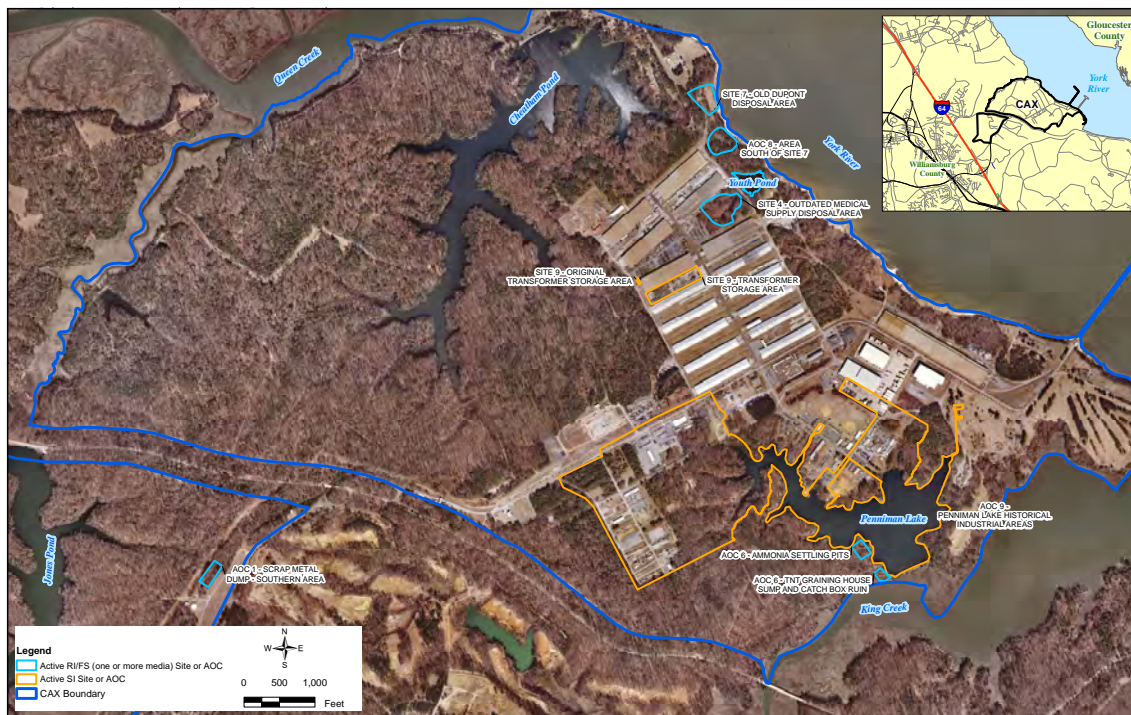


Figure 2. CAX Site Map

Seven sites are currently being investigated under CERCLA at CAX (Figure 2).

- Site 4 (soil, groundwater, sediment, surface water, and biota tissue)
- Site 7 (groundwater)
- Site 9 (soil, groundwater, sediment, and surface water)
- AOC 1 (soil, groundwater, sediment, and surface water)
- AOC 6 (soil, sediment, and surface water at the ASP and TNT subareas)
- AOC 8 (soil and groundwater)
- AOC 9 (soil, groundwater, sediment, surface water, and biota tissue)

More information about the status of investigation at these sites can be found on the Site Descriptions tab of the CAX public website at <http://go.usa.gov/DynP>.

Restoration Advisory Board

The Restoration Advisory Board (RAB) is an important part of the community relations program for CAX. The RAB consist of community volunteers who meet regularly with Navy and state and federal environmental regulators to discuss the ongoing status of environmental investigations and to participate in the decision-making process for final remedial decisions. Under Mission Cleanup, the community can participate in the RAB to ensure continued protection of public health and restoration of land and water. Mission Cleanup and the RAB rely on ongoing public awareness

and engagement in the environmental cleanup process, as public participation is critical to our ability to Clean, Protect, & Restore. RAB meetings are held two times a year and are open to the public. Meeting dates and times can be found on the Community Involvement tab of the CAX public website (<http://go.usa.gov/DynP>).

For More Information, Contact:

Susanne Greene

Naval Weapons Station Yorktown
Public Affairs Officer
Naval Facilities Engineering Command, Mid-Atlantic
160 Main Road, Bldg. 1959
Yorktown, VA 23691-0160
susanne.greene@navy.mil
(757) 887-4939

Information Repository

More information, including the Administrative Record containing all documents leading to final decisions, can be found on the CAX public website: <http://go.usa.gov/DynP>

Information about environmental restoration at Cheatham Annex also is available at:
York County Public Library – Yorktown
8500 George Washington Memorial Highway
Yorktown, VA 23692
(757) 890-3377

Mission Cleanup is an ongoing federal-state partnership that capitalizes on sound science to *Clean, Protect, & Restore* federal lands nationwide.

Environmental investigation and restoration activities at Naval Weapons Station (NWS) Yorktown in Yorktown, Virginia have historically been completed through the Comprehensive Environmental Response Compensation and Liability Act of 1980 (CERCLA) process. In this process, scientists identify risks to human and ecological receptors, develop solutions to address those risks, and then implement those solutions (Figure 1). Mission Cleanup's success relies on ongoing public awareness and engagement in cleanup milestones.

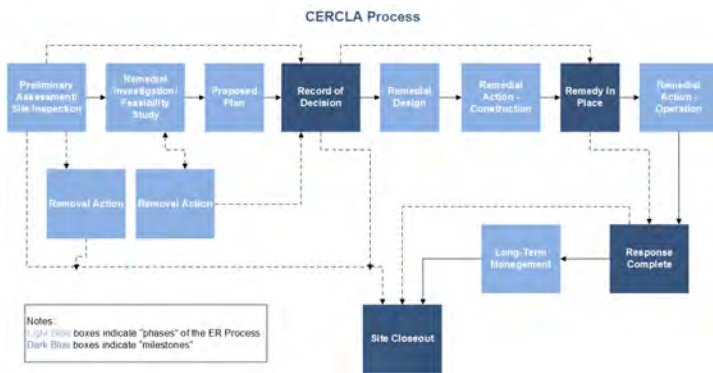


Figure 1. The CERCLA process

Site Description

NWS Yorktown is an 8,881-acre federal facility located in York and James City Counties, and the City of Newport News Virginia (Figure 2, inset). NWS Yorktown is bound on the northwest by Cheatham Annex; on the northeast by the York River and the Colonial National Historic Parkway; on the southwest by Route 143 and Interstate 64; and on the southeast by Route 238 and the town of Lackey.

Originally named the Naval Mine Depot, NWS Yorktown was established in 1918 to produce naval mines for the North Sea barrage during World War I. For 20 years after World War I, the depot continued to receive, reclaim, store, and issue mines, depth charges, and other weapons. During World War II, the facility was expanded to include three TNT loading plants and new torpedo overhaul facilities. A research and development laboratory for experimentation with high explosives was established in 1944. In 1947, a quality evaluation laboratory was developed to monitor special tasks assigned to the facility which included the design and development of depth charges and advanced underwater weapons. On August 7, 1959, the depot was renamed NWS Yorktown. Today, the primary mission of NWS Yorktown is to provide ordnance, technical support, and related services to sustain the war-fighting capability of the armed forces in support of national military strategy.

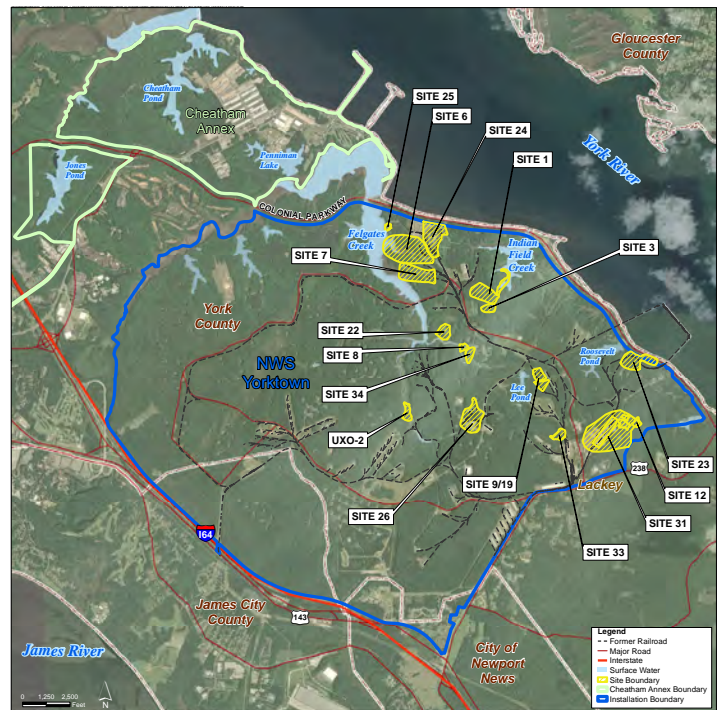


Figure 2. NWS Yorktown Site Map

Current Site Status

In October 1992, NWS Yorktown was placed on the National Priorities List, which required all subsequent activities for Navy environmental restoration sites be conducted under CERCLA procedures. Currently, twelve sites at NWS Yorktown have been closed out with a No Further Action Final Record of Decision or Decision Document.

There are 17 active sites, including 12 under investigation, 2 at the decision stage (Sites 1 and 3), 1 in the remedial design phase (Site 22), 1 undergoing cleanup (Site 24), and 1 with the remedy in place that is being monitored (Site 12).

Remedial Investigation Phase:

- Site 6 – Explosives Contaminated Wastewater Impoundment, Flume Area and Excavation Area (Plant 1) and Building 110 and Environs (Plant 2)
- Site 7 – Plane 3 Explosives-Contaminated Wastewater Discharge Area
- Site 8 – NEDED Explosives-Contaminated Wastewater Discharge Area
- Site 9 – Plant 1 Explosives-Contaminated Wastewater Discharge Area
- Site 19 – Conveyor Belt Soils at Building 10
- Site 23 – Building 428 Teague Road Disposal Area
- Site 25 – Building 373 Rocket Plant
- Site 26 – Building 1816 Mark 48 Waste Otto Fuel Tank
- Site 31 – Barracks Road Landfill Industrial Area
- Site 33 – Sand Blasting Grit Area
- Site 34 – Building 537 Discharge to Felgates Creek
- UXO-2 – Turkey Road Landfill

Proposed Plan:

- Site 1 – Dudley Road Landfill
- Site 3 – Group 16 Magazine Landfill

Remedial Design:

- Site 22 – Burn Pad

Removal Action Ongoing:

- Site 24 – Aviation Field

Remedial Action (Long-Term Monitoring):

- Site 12 – Barracks Road Landfill

Restoration Advisory Board

The Restoration Advisory Board (RAB) is an important part of the community relations program for NWS Yorktown. Under Mission Cleanup, NWS Yorktown invites the community to participate in the RAB to ensure continued protection of public health and restoration of land and water. Mission Cleanup and the RAB relies on ongoing public awareness and engagement in the Environmental Restoration Program (ERP) cleanup process, as public participation is critical to our ability to *Clean, Protect, & Restore*. RAB meetings are typically held once a year.

Meeting dates and times can be found in the Community Outreach tab of the NWS Yorktown Public Website: <http://go.usa.gov/xfP6h>.

For More Information, Contact:

Navy

Ms. Susanne Greene
Public Affairs Officer
Naval Weapons Station Yorktown
susanne.greene@navy.mil
(757) 887-4939

USEPA

Ms. Rashmi Mathur
Remedial Project Manager
USEPA, Region III
(215) 814-5234

VDEQ

Mr. Wade Smith
Virginia Department of Environmental Quality
Federal Facilities Program
(804) 698-4125

Information Repository

Information for NWS Yorktown is available to the community at the following location:
York County Public Library – Yorktown
8500 George Washington Memorial Highway
Yorktown, Virginia 23692
(757) 890-3377

Review the Administrative Record at the NWS Yorktown public website: <http://go.usa.gov/xfP6h>



**Public Notice of
RESTORATION ADVISORY BOARD (RAB) MEETING
for Naval Weapons Station (NWS) Yorktown & Cheatham
Annex (CAX)**

Thursday, November 7, 2019 from 1:00 p.m. to 2:30 p.m.
York County Public Library – Yorktown Branch
8500 George Washington Memorial Highway
Yorktown, Virginia

The Public is Invited to Attend

NWS Yorktown & CAX are inviting the community to participate in the RAB meeting to be informed of Environmental Restoration Program (ERP) issues, investigations, and cleanups. The ERP addresses past contamination to protect human health and the environment, and relies on public awareness and engagement in the process. This is your opportunity to participate by providing direct input during this meeting. NWS Yorktown, CAX, the Virginia Department of Environmental Quality, and the U.S. Environmental Protection Agency are committed to the RAB, which symbolizes our commitment to maintaining open dialog with impacted communities as we work together to Clean, Protect, & Restore.

For additional information regarding the RAB Meeting or the ERPs at NWS Yorktown or CAX, visit our websites:

<http://go.usa.gov/DynG> (NWS Yorktown)

-or-

<http://go.usa.gov/DynP> (CAX)

or contact the Navy Public Affairs Officer
Phone: (757) 887-4939

#MissionCleanup – *Clean, Protect, & Restore*

APPENDIX B

Outreach to Solicit Community Input





2020 ENVIRONMENTAL RESTORATION PROGRAM COMMUNITY INVOLVEMENT PLAN UPDATE

Naval Weapons Station Yorktown (NWS Yorktown) and Cheatham Annex (CAX)

1. What is your zip code?

a. How long have you lived here? < 2 years 2–5 years 6–10 years > 11 years

2. Are you aware of the mission of NWS Yorktown and CAX?

Yes No Not sure

3. Have you or any of your relatives ever worked at NWS Yorktown or CAX?

Yes (me) Yes (relative) No (me) No (relative)

4. Do you participate in recreational opportunities offered at NWS Yorktown or CAX? Yes No

a. If yes, what activities?

5. Before we contacted you, were you aware that the Navy has an Environmental Restoration Program that is responsible for investigating and addressing contamination from past practices?

Yes, aware Vaguely aware No, not aware Not sure

6. Do you have any specific interest in or concerns about environmental restoration activities at NWS Yorktown or CAX?

Yes, NWS Yorktown Yes, CAX No

a. If yes, what are your issues or concerns? (*check up to 3*)

Groundwater Wildlife, Fish Surface water (streams, rivers, wetlands)
Health Soil Other (*please describe below*)

7. One way you can participate in the Environmental Restoration Program is by attending our Restoration Advisory Board (RAB) public meetings. A RAB is a group of interested community members who meet with the Navy and representatives of regulatory agencies (the U.S. Environmental Protection Agency and the Virginia Department of Environmental Quality). RAB meetings are open to the public and allow the Navy and community members to communicate directly about the Environmental Restoration Program. Meetings are currently held in May and November at the York County Public Library on a weekday.

Were you aware of the RAB? Yes No

a. If yes, have you ever attended a meeting? Yes No

i. If no, why not?

Too busy Inconvenient time Inconvenient location
Not interested Other

b. Would you be interested in attending a future RAB meeting? Yes No

i. If yes, what time of day would you attend?

Weekday afternoon (before 5 p.m.) Weeknight

ii. Do you prefer any specific day? (*check all that apply*)

Monday Tuesday Wednesday Thursday

8. The Navy places Environmental Restoration Program documents that require public review at the York County Public Library. Have you ever looked at them? Yes No
- a. If no, why not? Not aware Not interested Inconvenient location Other
9. Have you ever seen an Environmental Restoration Program public notice in the *Daily Press* or the *Virginia Gazette* announcing an upcoming RAB meeting or other public meeting, or to solicit review comments on documents in the library?
- Yes No I don't read those papers I only read online news and don't see public notices
10. Are you aware that the Navy maintains public websites for the environmental restoration programs at NWS Yorktown (<http://go.usa.gov/DynG>) and at CAX (<http://go.usa.gov/DynP>)? Yes No
11. In general, how do you get news about the local community? (*check all that apply; list specific sources below*)
- Facebook Twitter Other social media
 Websites Newspapers Radio
 Email Television Other (*please describe below*)

12. How do you think the Navy should communicate about the environmental restoration program at NWS Yorktown and CAX? (*check all that apply*)
- Navy website updates RAB meeting updates Newspaper
 Emailed fact sheet Fact sheet on website Television or radio
 Mail Email Other (*please describe below*)

13. Who would you call if you had questions about the Navy's environmental restoration program at NWS Yorktown and CAX?

14. Do you have any other comments about the Navy's environmental restoration program at NWS Yorktown and CAX?

If you replied "yes" about receiving notifications, please provide your contact information below:

Name:	Company (if applicable):
Address:	
City and State:	ZIP Code:
Email:	
Phone:	





WE NEED YOUR INPUT!
Please help us update the
**NAVAL WEAPONS STATION (NWS) YORKTOWN
AND CHEATHAM ANNEX (CAX)
COMMUNITY INVOLVEMENT PLAN**

An important part of implementing the Environmental Restoration Program at NWS Yorktown and CAX is understanding how community members would like to be kept informed about the environmental investigation and cleanup work being done.

YOU can help the Navy update its Community Involvement Plan by completing our electronic questionnaire. Simply:

1. Go to the Community Outreach tab on the Navy's environmental restoration websites at <http://go.usa.gov/DynG> (NWS Yorktown) or <http://go.usa.gov/DynP> (CAX)
2. Download our questionnaire as a fillable .pdf, save your responses, and email them to amy.brand@jacobs.com

If you prefer, please call 757-803-3986 or email amy.brand@jacobs.com to request a paper copy or to participate in a telephone interview.

Please reply by **June 1, 2020**. Your responses will be kept confidential and compiled with others to help update the NWS Yorktown/CAX Community Involvement Plan for environmental restoration.



DEPARTMENT OF THE NAVY
NAVAL WEAPONS STATION YORKTOWN
160 MAIN ROAD
YORKTOWN, VA 23691-0160

5090
Ser N00/235
May 1, 2020

**SUBJECT: NAVAL WEAPONS STATION YORKTOWN AND CHEATHAM ANNEX
COMMUNITY INVOLVEMENT PLAN UPDATE – YOUR INPUT
REQUESTED**

Dear NAME:

Mission Cleanup is an ongoing federal-state partnership that capitalizes on sound science to *Clean, Protect & Restore* land affected by historical Navy activities, including Naval Weapons Station Yorktown (NWS Yorktown) and Cheatham Annex (CAX). As part of this commitment, the Navy, in partnership with the U.S. Environmental Protection Agency and the Virginia Department of Environmental Quality, implement the Environmental Restoration Program. The Environmental Restoration Program focuses on investigating and addressing contamination that occurred in the past due to spills, leaks, or historic disposal practices that are no longer acceptable under today's environmental regulations.

Mission Cleanup's success relies on ongoing awareness and community engagement. Community involvement is critical to our ability to *Clean, Protect & Restore* and we document our plan to engage the community in a Community Involvement Plan. The last time the NWS Yorktown/CAX Community Involvement Plan was updated was in November 2014. That plan can be found on the NWS Yorktown and CAX Environmental Restoration Program websites (<http://go.usa.gov/DynG> and <http://go.usa.gov/DynP>, respectively. Click on the "Community Outreach" tab at the top.)

We need your help! To update the Community Involvement Plan, we need to hear from local community members. You can help us get a better picture of the community's knowledge about the Environmental Restoration Program and help us understand what information the community wants or needs. The best way to achieve that is for us to talk to people like you. We have prepared a set of questions that are used to guide an informal discussion. The results of this discussion will allow us to update the Community Involvement Plan to ensure it captures the best ways to include the public in our process.

We understand that this is a challenging time for everyone in the midst of the Covid-19 pandemic; however, we are trying to keep our Environmental Restoration Program moving

5090
Ser N00/235
May 1, 2020

forward as possible, which includes updating the Community Involvement Plan. Therefore, we hope that you can take a little time to participate in a telephone discussion to help us update the plan.

Ms. Amy Brand is a community involvement specialist with Jacobs (formerly CH2M), working under contract to the Navy to conduct community outreach activities. Ms. Brand will be conducting phone interviews in May. She or a colleague will contact you to coordinate a time to talk at your convenience - during the day or evening, or, if you prefer, you can reach out to her directly at amy.brand@jacobs.com.

Your input will be kept strictly confidential and results will be used in a summary format to update the Community Involvement Plan and help the Navy communicate more effectively about its Environmental Restoration Program.

If you have any questions, please contact Susanne Greene, the Public Affairs Officer for NWS Yorktown and CAX at 757- 887-4939 or Susanne.greene@navy.mil. Thank you in advance for taking the time to help us update the Community Involvement Plan!

Sincerely,



Jason. J. Schneider, Captain
Commanding Officer
NWS Yorktown/CAX

APPENDIX C

Key Community Contacts



OFFICE/ORGANIZATION	NAME	ADDRESS 1	ADDRESS 2	CITY	STATE	ZIP	PHONE	EMAIL
JAMES CITY COUNTY								
County Supervisor, Roberts District	John McGlennon	P.O. Box 8784	101-D Mounts Bay Road	Williamsburg	VA	23187	757-263-6609	board@jamescitycountyva.gov
County Administrator	Scott Stevens	P.O. Box 8784	101-D Mounts Bay Road	Williamsburg	VA	23187	757-263-6603	scott.stevens@jamescitycountyva.gov
Communications	Renee Dallman	P.O. Box 8784	101-D Mounts Bay Road	Williamsburg	VA	23187	757-253-6864	renee.dallman@jamescitycountyva.gov
Community Development/Planning	Paul Holt, Director	P.O. Box 8784	101-E Mounts Bay Road	Williamsburg	VA	23187	757-253-6620	paul.holt@jamescitycountyva.gov
Emergency Management	Sarah Ruch, Deputy Emergency Manager	5077 John Tyler Highway		Williamsburg	VA	23185	757-564-2140	sarah.ruch@jamescitycountyva.gov
YORK COUNTY								
County Supervisor, District 1	Walter Zaremba	106 Royal Grant Drive		Williamsburg	VA	23185	757-259-0707	zaremba@yorkcounty.gov
County Supervisor, District 3	Chad Green	P.O. Box 3		Seaford	VA	23696	757-879-0400	chad.green@yorkcounty.gov
County Administrator	Neil Morgan	P.O. Box 532		Yorktown	VA	23690	757-890-3320	ctyadm@yorkcounty.gov
Public Affairs	Barbara Hersch, Manager	P.O. Box 532		Yorktown	VA	23690	757-890-3300	publicaffairs@yorkcounty.gov
Community Services	Brian Fuller, Director	P.O. Box 532		Yorktown	VA	23690	757-890-3880	comser@yorkcounty.gov
Emergency Management	D. Terry Hall, Director	P.O. Box 532		Yorktown	VA	23690	757-890-3600	hallt@yorkcounty.gov
CITY OF NEWPORT NEWS								
Mayor-at-Large	McKinley Price, Dr.	2400 Washington Avenue		Newport News	VA	23607	757-926-8618	council@nnva.gov
City Council, North District	Sharon Scott	2400 Washington Avenue		Newport News	VA	23607	757-926-8618	council@nnva.gov
City Council, North District	Marcellus Harris, III	2400 Washington Avenue		Newport News	VA	23607	757-926-8618	council@nnva.gov
City Manager	Cynthia Rohlf	2400 Washington Avenue	10th Floor	Newport News	VA	23607	757-926-8411	city@nnva.gov
Communications	Cleder Jones, Director	2400 Washington Avenue	6th Floor	Newport News	VA	23607	757-926-8501	communications@nnva.gov
Emergency Management	Dana Perry, Operations Director	513 Oyster Point Road		Newport News	VA	23602	757-269-2900	dperry@nnva.gov
CITY OF WILLIAMSBURG								
Mayor	Paul Freiling	Municipal Building	401 Lafayette Street	Williamsburg	VA	23185	757-229-5165	pfreiling@williamsburgva.gov
City Manager	Andrew Trivette	Municipal Building	401 Lafayette Street	Williamsburg	VA	23185	757-220-6100	atrivette@williamsburgva.gov
Media Relations and Communications	Lee Ann Hartmann	Municipal Building	401 Lafayette Street	Williamsburg	VA	23185	757-220-6197	lhartmann@williamsburgva.gov
Public Works and Utilities	Dan Clayton	Municipal Building	401 Lafayette Street	Williamsburg	VA	23185	757-220-6140	publicworks@williamsburgva.gov
REGIONAL ORGANIZATIONS								
Hampton Roads Military and Federal Facilities Alliance	Craig Quigley, Executive Director	723 Woodlake Drive		Chesapeake	VA	23320	757-644-6324	rdwyer@hrmffa.org
Hampton Roads Planning District Commission	Robert Crum, Executive Director	723 Woodlake Drive		Chesapeake	VA	23320	757-420-8300	online form
BUSINESS ORGANIZATIONS								
York County Chamber of Commerce	Tracy Harsey, Office Administrator	4102 George Washington Memorial Highway	Suite 101	Yorktown	VA	23692	757-877-5920	yccadmin@yorkcountycc.org
Virginia Peninsula Chamber of Commerce (Newport News)	Robert S. McKenna, President & CEO	21 Enterprise Way	Suite 100	Hampton	VA	23666	757-325-8170 757-262-2000	bob.mckenna@vpcc.org
Greater Williamsburg Chamber and Tourism Alliance (Williamsburg, York County, and James City County)	Terry Banez, Executive Director & CEO	421 N. Boundary Street		Williamsburg	VA	23185	757-253-2217	terrybanez@williamsburgcc.com
ENVIRONMENTAL ORGANIZATIONS								
York River/Croaker Landing Working Waterman's Association	Robert Weagley, Sr., President	10201 Carriage Road		Providence Forge	VA	23140	804-966-5429	
Chesapeake Bay Foundation	Rebecca LePrelle Tomazin	1108 East Main Street	Suite 1600	Richmond	VA	23219	804-780-1392	
CIVIC ORGANIZATIONS								
J4Cs (James City County Citizens' Coalition)	Richard Strenkowski	P.O. Box 5322		Williamsburg	VA	23188	none available	
Kiwanis Club, Grafton	Kim Wood, President	P.O. Box 2092		Yorktown	VA	23188	none available	GraftonKiwanis91@gmail.com
Lions Club, York	Frank Alcorn, President	149 John Rolfe Lane		Williamsburg	VA	23185	none available	Frankalcorn@gmail.com
Rotary Club, Yorktown	Michelle Pollock	P.O. Box 142		Yorktown	VA	23690	757-358-0964	yorkrotaryweb@hotmail.com
York Ruritans		219 Mount Vernon Drive		Yorktown	VA	23693	757-867-8101	(online form)
Yorktown Woman's Club	Linda Avery	P.O. Box 404		Yorktown	VA	23690		ywcnews@cox.net
The Woman's Club of Williamsburg	Joan Whitla, President	P.O. Box 3595		Williamsburg	VA	23187		info@womansclubofwilliamsburg.org

OFFICE/ORGANIZATION	NAME	ADDRESS 1	ADDRESS 2	CITY	STATE	ZIP	PHONE	EMAIL
SCHOOLS/CHURCHES								
College of William & Mary, Department of Environmental Science and Policy	Dr. Jim Kaste, Program Director	P.O. Box 8795		Williamsburg	VA	23187	757-221-2951	jim.kaste@wm.edu
Virginia Institute of Marine Science	Dr. John Wells, Dean and Director	P.O. Box 1346	1375 Greate Rd	Gloucester Point	VA	23062	757-684-7000	wells@vims.edu
York County Public Schools	Dr. Victor D. Shandor, Superintendent	302 Dare Road		Yorktown	VA	23692	757-898-0310	vshandor@ycsd.york.va.us
Williamsburg-James City County Public Schools	Dr. Olwen Herron, Superintendent	P.O. Box 8783		Williamsburg	VA	23187	757-603-6400	superintendent@wjccschools.org
Rising Sun Baptist Church	Rev. David O. Spratley, Pastor	2300 Old Williamsburg Rd		Lackey	VA	23694	757-887-5711	
St. Stephen's Calvary Pentecostal Church	Rev. Joyce A. Mines, Pastor	2112 Old Williamsburg Rd		Yorktown	VA	23690	757-847-3223	
St. Lukes Methodist Church	Rev. Dr. Clarence Brown, Pastor	429 Yorktown Rd		Newport News	VA	23603	757-877-5050	(online form)
Lebanon Christian Church	Rev. John Borcherding, Pastor	409 Yorktown Rd		Newport News	VA	23603	757-887-5536	
New Quarter Baptist Church		1753 Penniman Rd		Williamsburg	VA	23185	757-220-2694	
St. John Baptist	Rev. Walter Hudson, Pastor	1397 Penniman Rd		Williamsburg	VA	23185	757-229-0759	williamsburgsjbc@gmail.com
RAB								
	Stephen Oyer, Co-Chair	PERSONAL INFORMATION IS NOT PROVIDED		Yorktown	VA	23690		
	William Stubbs	FOR PRIVATE COMMUNITY MEMBERS		Newport News	VA	23603		

ORGANIZATION	TITLE	NAME	ADDRESS 1	ADDRESS 2	CITY	STATE	ZIP	PHONE	EMAIL
FEDERAL ELECTED OFFICIALS									
U.S. Senate	Senator	Timothy Kaine	222 Central Park Avenue	Suite 120	Virginia Beach	VA	23462	757-518-1674	online form
U.S. Senate	Senator	Mark Warner	101 W. Main Street	Suite 7771	Norfolk	VA	23510	757-441-3079	online form
U.S. Representative, 2nd District	Representative	Elaine Luria	283 Constitution Drive	Suite 900	Virginia Beach	VA	23462	757-364-7650	online form
U.S. Representative, 3rd District	Representative	Bobby Scott	2600 Washington Ave.	Suite 1010	Newport News	VA	23607	757-380-1000	online form
STATE ELECTED OFFICIALS									
Governor	Governor	Ralph Northam	P.O. Box 1475		Richmond	VA	23218	804-786-2211	online form
State Senate, 1st District	Senator	Monty Mason	P.O. Box 232		Williamsburg	VA	23187	757-229-9310	district01@senate.virginia.gov
State Senate, 2nd District	Senator	Mamie Locke	PO Box 9048		Hampton	VA	23670	757-825-5880	district02@senate.virginia.gov
State Senate, 3rd District	Senator	Tommy Norment	P.O. Box 6205		Williamsburg	VA	23188	757-259-7810	district03@senate.virginia.gov
State House of Delegates, 93rd District	Delegate	Mike Mullin	566 Denbigh Boulevard	Suite C	Newport News	VA	23608	757-525-9526	delmullin@house.virginia.gov
State House of Delegates, 96th District	Delegate	Brenda Pogge	P.O. Box 196		Norfolk	VA	23127	757-223-9690	DelBPogge@house.virginia.gov

APPENDIX D
Summary of
Community Input



1. Zip Code	2. Aware of Mission?	3. You/Relatives work at either Base?	4. Recreate at the bases?	5. Aware of ERP?	6. Specific Concerns about NWS Yorktown	6. Area of Interest? (GW, Health (H), Wildlife/Fish (WLF), Soil (S), Surface Water (SW) Other	7. Aware of RAB?	7a. Yes, ever attend meeting?	7a.1. Why not?	7b. Interested in attending future RAB meeting?	7b.1. Preferred Time	7b.2. Preferred Day of Week	8. Ever visit the Installation Repository?	8a. Why not?	9. Seen ERP Public Notice in Newspaper?	10. Aware of ERP Websites for NWS Yorktown or CAM?	11. How do you get your local community news?	12. How should the Navy communicate about the ERP?	13. Other communications comments	13. Who would you ask if you have questions about the ERP?	14. Other comments?		
23185	2-5 years	N	N	N	Y Aware	N	Y	GW, H	N		Weeknight	no preference	N	Not aware	N	N	Facebook, Websites, Newspapers, Radio	Mail, Email, Newspaper, TV/Radio	0	Local govt rep			
23185	>11 years	Y	NN	N	Y Aware	Y	N	GW, H, WLF, that it's done right	N		Afternoon	no preference	N	Not aware	N	N	Websites, Radio, WYDaily	Navy website updates, Emailed fact sheet, Website fact sheet, Newspaper, TV/radio	0				
23690	>11 years	Y	NN	N	Y Aware	N	N	N/A	Y	N, too busy	N		Not interested	Y	N	Websites, Email, Newspapers, TV, Radio	Navy website updates, RAB meeting updates, Fact sheet on website, Newspaper	0	The Community Plans & Liaison Officer				
23690	> 11 years	Y	Y Relative	N	Y Aware	Y	Y	GW, H, S	Y	Y	Y	Afternoon	Wednesday	Y	Y	Websites, Email, Newspapers, TV	Navy website updates, RAB meeting updates, Fact sheet on website, Newspaper, Other:	Quarterly county updates mailed to each household, add a fact sheet of RAB significant events	RAB member that my question applies to	Keep up the transparent twice a year meetings			
23185	> 11 years	Y	NN	N	Y Vaguely aware	N/A	Y	GW, SW, The Stormwater and Resource Protection Division for James City County has an interest in environmental restoration activities on properties closely adjacent to portions of the County and within watersheds providing drinking water to some County residents.	N	N	N/A	N/A	N	Inconvenient location	No, only read online news		Websites, Email, County and newspaper websites	Navy website, Email, Newspaper, Other:	Newspaper websites, coordinating with local government public information resources	N/A	The Stormwater and Resource Protection Division for James City County has an interest in the ongoing environmental restoration program and would be interested in receiving updates. The County may also be able to assist in public notifications to County residents if requested through our website and/or other communication sources.		
23185	2-5 years	N	N	N	Y Vaguely aware	N	N	N/A	N	N	N/A	N	Not aware, not interested, inconvenient location	N	Y	Facebook, Websites, Email, Twitter, Newspapers, TV, Other Social Media	Email fact sheet	0	The York County Administrator	No			
23603	2-5 years	N	NN	N	N Not aware	Y	Y	GW, H, SW	N	N	N/A	Y	Weeknight	MTWT	N	N	Newspapers, TV	Mail, Newspaper	0	No idea			
23185	> 11 years	N	NN	N	Y Vaguely aware	Y	Y	GW, WLF, SW	N	N	N/A	Y	Weeknight	no preference	Y		FB, Email, Radio	Navy website updates, RAB mtg updates, Fact sheet on website	social media	Not sure, I would look on the NWS Yorktown website for guidance			
23185	<2 years	Not sure	NN	N	N Not aware	N	N	All	N	N	N/A	Y	No preference	no preference	N	N	Website, Newspapers	Navy website, Email fact sheet, Mail, RAB mtg updates, FS on website, Newspapers	no idea	Interested in learning more			
23320	N/A	Y	NN	N	Y Aware	N	N/A	GW, SW; "To know what the contaminants are, to know that the impact is contained within the installation. We would be concerned if the plume is spreading outside the fence line. Would the cleanup of some of the old fuel stores affect the redevelopment of some of those areas of land?"	N	N	N/A	Y	Afternoon	no preference	N	Not interested	Y	Y	Facebook, Websites, Email, Twitter, Newspapers, TV, Other Social Media, Radio	Navy website, Email fact sheet, Mail, RAB mtg updates, Fact sheet on website, Email, Newspapers, TV/radio	0	Drew Robins	NWS takes its public interaction responsibilities very seriously. Do a good job communicating what the public would likely be interested in knowing about.
23185	> 11 years	Not sure	NN	N	N Not aware	Y	N/A	GW, WLF, SW	N		Y	Weeknight	Tuesday	N	Not aware	No, I don't read those newspapers	No	Email, TV, Radio	Navy website, Email fact sheet, Mail, RAB updates, Fact sheet on website, Email, TV/radio	0	I would like to be given the best contact to reach out to.	Thank you for reaching out and sharing this information	
23185	> 11 years	Not sure	Y relative	N	N Not aware	Y	N/A	GW, H, S; I recall that Cheatham Annex was a Super Fund cleanup site in years past. I believe that there was soil contamination due to petroleum leaking from round storage tanks.	N		Y	Afternoon	no preference	N	Not aware	I only read online news and don't see public notices	N/A	Websites, TV, Radio	Email fact sheet, TV/radio	0	I am not certain. I suppose the base commander.	I appreciate the efforts to restore the environment and maintain the quality of life for human animal and plant life.	
23185	> 11 years	Y	NN	N	Y Vaguely aware	Y	Y	GW, H, SW, WLF	N		Y	Weeknight	Wednesday	N	Not aware	N	N	Facebook, Email, Newspapers	Email fact sheet, Fact sheet on website, Email, Newspaper	0	Govt relations on base		

1. Zip Code																									
1a. How long lived here?																									
2. Aware of Mission?																									
3. You/Relatives work at either Base?																									
4. Recreate at the bases?																									
5. Aware of ERP?																									
6. Specific Concerns about NWS Yorktown																									
6. Specific Concerns about C&X?																									
6. Area of Interest? Groundwater (GW), Health (H), Wildlife/Fish (WLF), Soil (S), Surface Water (SW) Other																									
7. Aware of RAB?																									
7a. Yes, ever attend meeting?																									
7a.i. Why not?																									
7b. Interested in attending future RAB meeting?																									
7b.i. Preferred Time																									
7b.ii. Preferred Day of Week																									
8. Ever visit the Installation Repository?																									
8a. Why not?																									
9. Seen ERP Public Notice in Newspaper?																									
10. Aware of ERP Websites in Newspaper?																									
11. How do you get your local community news?																									
12. How should the Navy communicate about the ERP?																									
12. Other communications comments																									
13. Who would you ask if you have questions about the ERP?																									
14. Other comments?																									
23320	N/A	Y	NN	N	Y Aware	Y	N	GW, SW, Impact to the community outside the fence line interesting to find out what sort of mitigation efforts are going on, would be reassuring to know that there are some. Main issue is to understand the impacts, if any, outside the perimeter of either installation.	N				Y	Afternoon	no preference	N	Not interested	Y	Y	Facebook, Websites, Email, Twitter, Newspapers, TV, Radio	Didn't check boxes; Obligated to use every available communication means to do things like this that affect such a wide swath of people, so many stakeholders. Not everyone reads a paper or goes to the Internet, so need to use a variety of channels to cast a wide net.	0	Drew Robins		
23603	> 11 years				Y Aware	Y		GW, concerned and curious about quality of water in private well used, have noticed changes over time in the water																	



Prepared by

ch2mSM