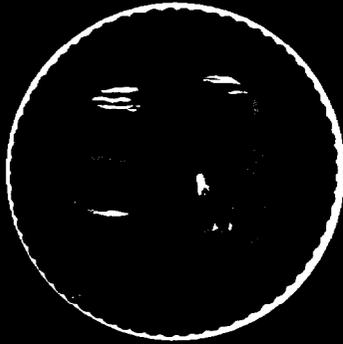


Installation Restoration Program



Summer 1995

Naval Weapons Station, Yorktown

Site 16/SSA 16 PRAP

Summary

This fact sheet outlines the Department of the Navy's proposed plan for Site 16 - West Road Landfill and Site Screening Area (SSA) 16 - Building 402 Metal Disposal Area. Site 16/SSA 16 does not pose any immediate threat to human health or the environment, according to a recently completed Remedial Investigation. The sites are not used for residential purposes. There could be, however, a potential threat to long-term residents if the site were used in the future for housing. Based on this study, the Navy is proposing the "No Further Remedial Action with Institutional Controls" plan for Site 16/SSA 16. The institutional controls will be used to restrict the future use of Site 16/SSA 16 to nonresidential activities. A Public Meeting will be held to give the public the chance to comment on, or ask questions about, the proposed plan for Site 16/SSA 16.

Environmental Studies

Site 16/SSA 16 is one of several sites at WPNSTA Yorktown that are being investigated to determine whether past disposal practices have resulted in environmental contamination. The investigations are being conducted through the Navy's Installation Restoration Program. The goal of this program is to study areas resulting from past, formerly accepted waste disposal practices at Navy Installations and clean them up if necessary. The study stages in the Installation Restoration Program process are listed on page 4.

Site 16/SSA 16 Profile

Site 16 is located along West Road near Indian Field Road. SSA 16, which overlies the northern portion of Site 16, is located between West Road and a set of railroad tracks, just west of Building 402. From the early 1950s to the early 1960s, Site 16 was used as a disposal area for batteries, drums and other scrap material. SSA 16 was used to store scrap metal and empty drums. Site 16/SSA 16 investigations are summarized below.

Removal Action

The Navy conducted a removal action at Site 16 in the Spring of 1994 to remove the surface debris which could have been a potential source of contamination. This effort included removing about 420 tons of batteries, 60 tons of debris (cables, ordnance, etc.), and 125 tons of silica gel from the surface of the site (see photographs on page 3 of the before and after site condition). Following the debris removal, 19 surface soil samples were collected to confirm the success of the removal action. The results of these "confirmation samples" indicated that the removal was successful.

Remedial Investigation

A site study, called a Remedial Investigation, has been conducted at Site 16/SSA 16. The study was conducted in two phases: Round I (1992) and Round II (1994). The Round I Remedial Investigation was conducted before the Removal Action took place. The results of the Round I Remedial Investigation indicated that further investigations were needed to better understand the nature and extent of contamination at the site.

Remedial Investigation continued

The Round II Remedial Investigation included collecting and analyzing surface soil, subsurface soil, groundwater, surface water, sediment, and biological samples to supplement the Round I Remedial Investigation samples and the Removal Action confirmation sampling. Based on the results of these samples, Human Health and Ecological Risk Assessments were conducted. The studies are conducted in accordance with the Federal Facilities Agreement between the Navy, the United States Environmental Protection Agency (USEPA) Region III, and the Virginia Department of Environmental Quality (VDEQ). This agreement sets procedures and schedules for conducting environmental studies and changes.

The results of the Round II Remedial Investigation include the following:

Low levels of contaminants were detected in surface soil (PCBs), shallow groundwater (volatile organics) and sediment (PCBs). These levels do not pose any immediate threats to human health or the environment. There could be, however, some threat to long-term residents if the site were used in the future for housing.

Feasibility Study

A Feasibility Study typically follows the Remedial Investigation in the Installation Restoration Program process. The results of the Remedial Investigation are evaluated to propose various cleanup methods. These methods are then outlined in the Feasibility Study. Based on the Remedial Investigation, however, there are no areas of environmental concern at the site. Therefore, the Feasibility Study phase was bypassed and preparations of the Proposed Alternative began.

Proposed Alternative

Because there are no current unacceptable risks to human health or the environment associated with Site 16/SSA 16, the alternative proposed for the site is the "No Further Remedial Action with Institutional Controls" plan. No further remedial actions are necessary because the removal action was successful in removing the source of potential contamination at the site. Institutional controls, such as land use restrictions, will be used to prevent residential use of the area at Site 16/SSA 16. These controls will also be used to prevent the use of shallow groundwater in this area by restricting installation of water supply wells. Currently, area residents receive potable water from area reservoirs rather than the groundwater.

Public Participation

The public is encouraged to participate in the decision-making process. The following participation options are available:

Information Repositories

The Proposed Plan is available for review along with other site documents in the information repository at the libraries listed on page 4.

Administrative Record File

The Administrative Record File is a compilation of the information evaluated to develop the Proposed Plan. The index of the File is located at the libraries listed on page 4.

Public Meeting

A Public Meeting to solicit community input to the proposed plan will be held on August 23, 1995 at the York County Social Services/Recreation Center Meeting Room, 301 Goodwin Neck Road, Yorktown, VA. An Open House will begin at 6:30 p.m. followed by a formal presentation at 7:00 p.m. At this meeting, the Navy, in coordination with the USEPA and the VDEQ, will discuss the results of the investigation and risk assessments and the alternative described in the Proposed Plan. Upon completion of the presentation representatives from the Navy, its consultants, the USEPA, and the VDEQ will be available to respond to questions at this time. Transcripts of the meeting will be included in the Information Repository at the aforementioned locations.

Restoration Advisory Board The Restoration Advisory Board meets to review the documents and provide review and comments. This board is comprised of federal, Commonwealth, and local regulatory officials, Station personnel, and community members. Restoration Advisory Board Minutes are filed in the information repository for community review. The Restoration Advisory Board will meet in conjunction with the Public Meeting on August 23, 1995.

Public Comment Period The Federal Facilities Public Comment Period will be held from July 25, 1995 to September 8, 1995. The public is encouraged to forward in writing opinions and comments to the Navy's Project Manager, Mrs. Brenda N. Norton, P.E. or to the Station's point of contact, Mr. Thomas Black, Public Affairs Officer, at the addresses listed on page 4. Verbal comments received at the public meeting and written comments received during the public comment period will be considered in selecting the remedial alternative. The public comments will be reviewed and presented in the Responsiveness Summary portion of the Record of Decision, which describes the final decision for remedial action addressed.

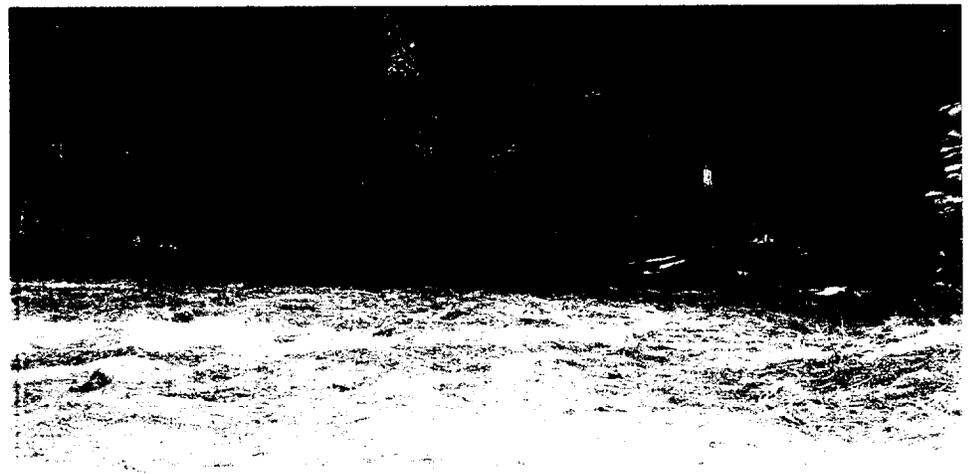
Before Removal Action

Surface debris at Site 16 prior to the Removal Action



After Removal Action

Site 16 after the Removal Action. The area was seeded and a "silt fence" installed to prevent erosion (dark fabric in center of photograph).



IR Program Process

- ❖ **Preliminary Assessment/Site Inspection (PA/SI) or Site Screening Process (SSP):**
identifies potential threats to human health and the environment
- ❖ **Remedial Investigation (RI):**
analyzes contaminants and evaluates potential contamination migration from site and risks to human health and the environment
- ❖ **Feasibility Study (FS):**
evaluates feasible cleanup methods to achieve environmental standards for human health and the environment
- ❖ **Proposed Remedial Action Plan (PRAP):**
outlines feasible alternatives and recommends remediation or cleanup method, if necessary
- ❖ **Public Comment Period/Meeting:**
allows for public examination of the PRAP and expression of comments; public meeting held to present plan and answer questions
- ❖ **Record of Decision (ROD):**
specifies the cleanup method after evaluating public comments
- ❖ **Remedial Design (RD):**
involves preparation of construction specifications and other design plans for remediation
- ❖ **Remedial Action (RA):**
remediates or cleans up the site to approved environmental standards

Public Participation

The public is encouraged to review and comment on the PRAP and other documents pertaining to Site 16/SSA 16. The PRAP and other information/reports pertaining to these sites are available at the information repositories at the following locations:

Newport News City Public Library
Griffon Branch (804) 886-7896
366 DeShazor Drive
Newport News, VA 23602

York County Public Library
(804) 890-3377
8500 George Washington Hwy.
Yorktown, Virginia 23692

Gloucester Public Library
(804) 693-2998
P.O. Box 367
Main Street
Gloucester, VA 23061

Naval Weapons Station Yorktown
Environmental Directorate
(804) 887-4720
(Contact: Mr. Jeff Harlow)
Building 31-B, P.O. Drawer 160
Yorktown, VA 23691-0160

Point of Contact

Interested persons may provide oral or written comments on the PRAP from July 25, 1995 to September 8, 1995 to Mr. Thomas Black, Public Affairs Officer, at the following address:

Public Affairs Officer (804) 887-4444
Naval Weapons Station Yorktown (Code P)
P.O. Drawer 160
Yorktown, Virginia 23691-0160