

March 1993 Fact Sheet

Naval Air Station Brunswick

Installation Restoration Program (IRP)

Site 5, Orion Street Asbestos Disposal Site and Site 6, Sandy Road Rubble and Asbestos Disposal Site

Introduction

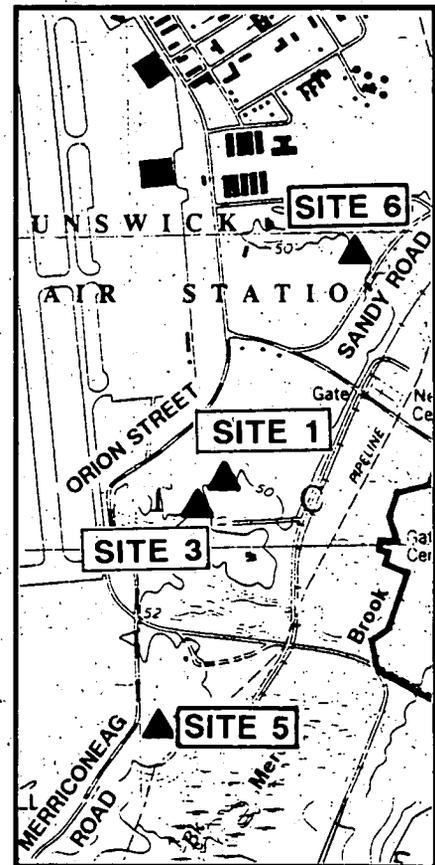
This fact sheet summarizes the Navy's Proposed Plan to address Site 5, the Orion Street Asbestos Disposal Site, and Site 6, the Sandy Road Rubble and Asbestos Disposal Site, at the Naval Air Station Brunswick, Brunswick, Maine. These sites are two of 13 former waste disposal sites being addressed under the Navy's Installation Restoration Program (IRP). The IRP is being conducted to identify and clean up sites created by past operations that do not meet today's environmental standards.

The Navy's plan proposes excavating non-hazardous soils and construction rubble from Sites 5 and 6, including some asbestos piping that would be placed in containers, and transporting the materials to Sites 1 and 3. The material would be used as fill material beneath a landfill cap, which has been approved for the sites, and which exceeds state regulations for the closure of asbestos waste disposal sites.

This fact sheet includes the following:

- the history of Sites 5 and 6,
- the findings of the Remedial Investigation (RI) and Feasibility Study (FS),
- the cleanup alternatives considered,
- the preferred alternative as presented in the Proposed Plan,
- information regarding public involvement in the final selection of a cleanup alternative, and
- sources for more information.

As this fact sheet provides only a summary, the public is encouraged to review the Proposed Plan and supporting reports in the Information Repository and to participate in upcoming public involvement activities (see details on Page 4).



Location of Sites 5 and 6

CURTIS MEMORIAL LIBRARY
23 PLEASANT STREET
BRUNSWICK, MAINE 04011-2257

What is the History of Sites 5 and 6?

Site 5, the Orion Street Asbestos Disposal Site, covers roughly one-quarter acre south of Merriconeag Road and the main runway on the air station. In 1979, Site 5 was used reportedly to dispose of asbestos-lined pipes from a demolished building. The pipes were placed in two trenches and covered with soil. The site is now relatively flat except for an embankment that drops off southeast of the site.

Site 6, the Sandy Road Rubble and Asbestos Disposal Site, covers approxi-

mately one acre northwest of Sandy Road, south of Building 516. Site 6 is a small depression that was used reportedly to dispose of construction debris, asbestos-lined pipes, and aircraft parts. The site is now nearly flat except for a large soil pile in the center of the site.

Sites 5 and 6 are being combined for remedial action due to their common historical use as non-hazardous waste disposal sites.

What Were the Findings of the Remedial Investigation and Feasibility Study?

The Navy completed Remedial Investigation and Feasibility Study (RI/FS) activities for Sites 5 and 6 which assessed the distribution of contamination at these sites and evaluated the most feasible cleanup alternatives.

The RI/FS activities included a geophysical survey, surface soil sampling, and a physical inspection of each site. Results of the survey confirmed an area on Site 5 where asbestos-lined pipes were buried in two trenches; and the survey only suggested that a semicircular area existed at Site 6 where asbestos and rubble could have been buried. Groundwater contamination resulting from asbestos was not a concern because asbestos minerals are stable and do not migrate from the soil.

Asbestos was the only contaminant of concern at both sites. However, no

asbestos was detected in the surface soil samples. Therefore, current risks to human health and the environment are minimal. There was a potential risk to workers with possible future exposure to airborne asbestos during excavation or construction activities.

Based on the RI results, the FS was conducted to evaluate alternatives that would prevent future potential risks from exposure to airborne asbestos. The FS developed six alternatives and evaluated each one against nine USEPA criteria: protection of human health and the environment, compliance with federal and state requirements, long- and short-term effectiveness, reduction of mobility, toxicity, and volume of contaminants, implementation, cost, and state and community acceptance.

What is the Preferred Alternative of the Proposed Plan?

The Navy's preferred alternative involves excavating approximately 12 cubic yards of material from Site 5, and up to 8,800 cubic yards of material from Site 6, transporting it to Sites 1 and 3, and placing it beneath the approved landfill cap as fill material; this fill is needed to promote proper drainage and meet design specifications. Only 250 cubic yards of the

material from Site 6 is estimated to contain asbestos.

Soil samples will be collected from each excavation to confirm that the asbestos has been completely removed. If, during excavation, materials other than asbestos or debris are discovered, these materials would not be brought to Sites 1 and 3. After notifying the regulatory agencies, these segregated

What is the Preferred Alternative of the Proposed Plan ? (continued)

materials would be characterized and, if found to be hazardous, would be disposed of appropriately off-base. After the excavation, Sites 5 and 6 will be backfilled with clean fill and seeded. This alternative addresses the requests made at an early public hearing, pertaining to another site, to limit long-term land-use restrictions at

all IRP sites. Hauling the material to Sites 1 and 3 will also minimize the hazards associated with long-distance transportation of asbestos to an off-base location. Completely removing waste from Sites 5 and 6 will make these areas available for future development and eliminate the need for long-term site management.

What Remedial Alternatives Were Considered ?

* = Preferred Alternative

Remedial Alternatives	Components	Design and Construction Time	Time to Implement	Estimated Total Cost (Including Maintenance)	Comments
No Action	<ul style="list-style-type: none"> None (included as a baseline for comparing the other alternatives) 	Not Applicable	Not Applicable	Nonmonitoring or review costs	<ul style="list-style-type: none"> Long term health risks would remain
Minimal Action	<ul style="list-style-type: none"> Land use restrictions Fencing and warning signs Annual inspections Monitoring 	2 months	30 years of monitoring	\$217,000	<ul style="list-style-type: none"> Land use restrictions apply even if base closes
Low-permeability Cover at each site	<ul style="list-style-type: none"> Site preparation (cleared and grubbed) Cover construction (low permeability cover topped with soil for vegetation) Land use restrictions Fencing and warning signs Annual inspections Monitoring 	Up to 7 months	30 years of monitoring	\$470,000	<ul style="list-style-type: none"> Land use restrictions apply Meets state requirements for closure of these sites
Excavation & Off-site Disposal	<ul style="list-style-type: none"> Excavation of material Transportation to off-site landfill Disposal at landfill Regrading sites 	Up to 9 months	No monitoring	\$3,786,000	<ul style="list-style-type: none"> No land use restrictions Meets state requirements for closure of these sites
Consolidation/ Low-permeability Cover	<ul style="list-style-type: none"> Site preparation (cleared and grubbed), excavation, transportation Cover construction (low permeability cover topped with soil for vegetation) at Site 6 Land use restrictions at Site 6 Fencing and warning signs Annual inspections Monitoring 	Up to 7 months	30 years of cover maintenance	\$400,000	<ul style="list-style-type: none"> Land use restrictions apply at Site 6 Meets state requirements for closure of these sites
* Excavation/ Subgrade Fill Material at Sites 1 and 3	<ul style="list-style-type: none"> Excavation of material Transportation to Sites 1 and 3 Place material beneath landfill cap 	Up to 4 months	No monitoring	\$681,000	<ul style="list-style-type: none"> No land use restrictions Meets state requirements for closure of these sites Transportation distance is less than 2 miles

How Can The Public Become Involved ?

Community input is considered as the Navy and the regulatory agencies select the final remedial action, prior to signing the Record of Decision (ROD).

The public is encouraged to participate in this decision-making process.

The Proposed Plan for Sites 5 and 6 is available for review, along with other supplemental documentation, at the:

Curtis Memorial Library
23 Pleasant Street
Brunswick, Maine 04011
(207) 725-5242

A public meeting and hearing will be held on Thursday, April 8, 1993 at 7:00 p.m. at:

Jordan Acres Elementary School
Merrymeeting Road
Brunswick, Maine

At the meeting, the Navy, in coordination with the U.S. Environmental Protection Agency (USEPA) and Maine Department Environmental Protection (DEP), will present the cleanup options evaluated as well as the preferred alternatives described in the Proposed Plan for Sites 5 and 6. Upon

completion of the presentation, public questions will be addressed. Comments offered at this meeting will be considered formal comments for the record. Transcripts of the meeting and hearing will be included in the Administrative Record at Curtis Memorial Library.

A public comment period will be held from March 29 to April 27, 1993. Opinions and comments may be forwarded in writing to:

James Shafer, Code 1821
Northern Division
Naval Facilities
Engineering Command
10 Industrial Highway, Mail Stop 82
Lester, Pennsylvania 19113-2090

Verbal comments received at the April 8, 1993 public meeting and hearing, and written comments received during the public comment period will be considered in the selection of a remedial action. These public comments will be addressed in the Responsiveness Summary portion of the ROD.

Where Can The Public Get More Information ?

For further information about the proposed remedial action, or the IRP, contact:

Lt. Kurt Wallisch
Public Affairs Office
Naval Air Station Brunswick
Brunswick, Maine 04011
(207) 921-2527

Meghan Cassidy
USEPA HAN-CAN 1
JFK Federal Building
Boston, Massachusetts 02203
(617) 573-5785

Mark Hyland
Maine DEP
Office of the Commissioner
State House Station #17
Augusta, Maine 04333
(207) 287-2651