

F A C T S H E E T

Brunswick Naval Air Station
Summary of The Proposed Plan for Site 8
The Perimeter Road Disposal Site**Introduction**

This fact sheet summarizes the Navy's Proposed Plan to address contamination at Site 8, the Perimeter Road Disposal Site at Brunswick Naval Air Station. The site is one of 13 former hazardous waste sites being addressed by the station'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 the construction of a cover system over the disposal site. Site 8 is now the third site in the IRP which is making the transition from investigation to remedial action.

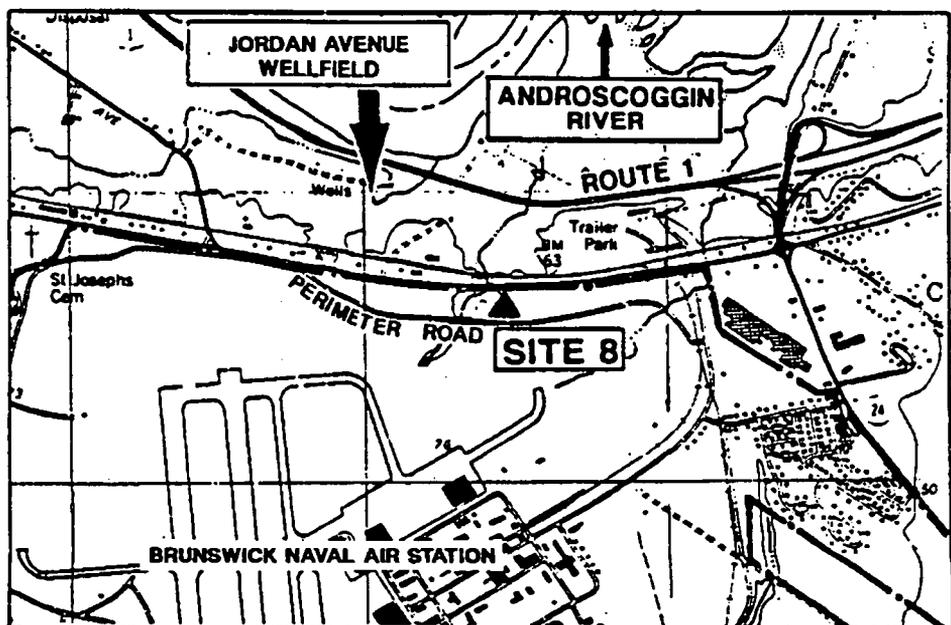
This fact sheet includes:

- ◆ a profile of Site 8 and its environmental status,
- ◆ the cleanup alternatives considered,
- ◆ the preferred alternative as presented in the Proposed Plan, and
- ◆ information regarding public involvement in the final selection of a cleanup alternative.

As this fact sheet provides only a summary, the public is encouraged to review the Proposed Plan and the Remedial Investigation/Focused Feasibility Study reports in the Information Repository and participate in upcoming public involvement activities. (See details on page 3.)

**Site 8, The
Perimeter Road
Disposal Site**

Site 8, the Perimeter Road Disposal Site, covers roughly one half acre north of Perimeter Road on NAS Brunswick. From 1964 to 1974, Site 8 was reportedly a station disposal area for rubble, debris, and trash. The site is a flat, open area with steep, wooded embankments leading down to two small tributaries. Surface runoff drains to these tributaries, which flow 1,800 feet to discharge into the Androscoggin River.

**Site Location Map**

Findings of the Remedial Investigation Focused Feasibility Study (RI/FFS)

The Navy completed Remedial Investigation and Focused Feasibility Study (RI/FFS) activities for Site 8 which assessed the type and extent of contamination, established cleanup criteria, and evaluated the most feasible cleanup alternatives. Alternatives were evaluated against 9 EPA criteria: protection of human health and the environment, compliance with state and federal requirements, long and short term effectiveness, reduction of toxicity, mobility or volume of contaminants, implementability, cost, and state and community acceptance. A Risk Assessment was also completed to evaluate potential effects on human health and the environment, in considering cleanup alternatives.

The RI/FFS included extensive sampling and analysis of groundwater, surface and subsurface soils, leachate and sediments, and surface water and sediments. Results showed PAHs (polynuclear aromatic hydrocarbons) in surface and shallow soils. PAHs result from the burning of fuels or can exist naturally in the environment. High concentrations are found in urban or industrialized areas, such as parking lots and airports. Though some other contaminants were detected such as DDT (dichlorodiphenyltrichloroethane), a pesticide, the levels of those contaminants associated with the site do not pose a risk to human health or the environment.

The risk associated with exposure to contaminants was calculated assuming the most conservative scenario, that being future residential use of the site. Although unlikely, this scenario would offer the greatest opportunity of exposure. PAHs in soil were found to pose an unacceptable risk in this scenario, if the maximum concentration level was ingested for 350 days per year, for 30 years. Institutional controls to prevent residential development or a soil cover to limit exposure were considered to address the risk posed by contamination in soils at Site 8.

RI/FFS activities also determined that Site 8 does not impact the Jordan Avenue Wellfield due to the limited contamination at the site, the considerable distance between them, and groundwater patterns which flow to the tributaries rather than to the wellfield.

The Preferred Alternative of the Proposed Plan

A Soil Cover is the Navy's preferred alternative for Site 8. The cover would minimize the infiltration of precipitation and prevent contact with contaminated soil. The preferred alternative was revised to include the low-permeability cover in response to a request by the Maine Department of Environmental Protection (DEP). Monitoring and institutional controls, including fencing and signs, were included at the request of local citizens and U.S. Environmental Protection Agency (EPA).

The low-permeability soil cover alternative meets requirements for closure under state solid waste regulations. Based on EPA criteria, the Navy believes the preferred alternative would be the most effective in the short and long term, most implementable and cost-effective, and would attain all federal and state applicable or relevant and appropriate requirements for protecting human health and the environment.

Details of the preferred alternative and the other alternatives considered appear on Page 3.

**Clean-up
Options:
Remedial
Alternatives**

The following chart outlines the remedial alternatives which were considered to address soil contamination at Site 8.

REMEDIAL ALTERNATIVE	* COMPONENTS	DESIGN AND CONSTRUCTION TIME	TIME TO IMPLEMENT	ESTIMATED TOTAL COSTS (INCLUDING MAINTENANCE)	COMMENTS
NO ACTION	♦ NONE (Included as a baseline to judge other alternatives)	NA	MINIMUM OF 5 YEARS OF MONITORING	\$ 161,000	RISK WOULD REMAIN DOES NOT MEET STATE REGULATIONS FOR CLOSURE
MINIMAL ACTION	♦ LAND USE RESTRICTIONS ♦ FENCING AND WARNING SIGNS	2 MONTHS	MINIMUM OF 5 YEARS OF MONITORING	\$ 197,000	RESTRICTIONS APPLY EVEN IF BASE CLOSES DOES NOT MEET STATE REGULATIONS FOR CLOSURE
SOIL COVER	♦ SITE PREPARATION (Cleared, grubbed, contoured) ♦ COVER CONSTRUCTION (Low-permeability cover topped with soil for vegetation) ♦ SITE INSPECTION AND MAINTENANCE ♦ FENCING AND WARNING SIGNS ♦ LAND USE RESTRICTIONS	7 MONTHS	MINIMUM OF 5 YEARS OF MONITORING	\$ 462,000 TO \$ 484,000	MEETS STATE REGULATIONS FOR CLOSURE

* Each alternative includes monitoring efforts to detect changes in contamination and 5-year site reviews.

**Public
Involvement in
Selecting
Alternatives**

Community input is also considered as the Navy and regulatory agencies select the remedial action, prior to the signing of the final Record of Decision (ROD). The public is encouraged to participate in the decision-making process.

- The Proposed Plan for Site 8 is available for review, along with other supplemental documentation at the:

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

Hours:
Monday & Wednesday 9:30am - 8:00pm
Thursday & Friday 9:30am - 6:00pm
Saturday 9:30am - 5:00pm

Continued....

- A public meeting and hearing will be held on Thursday, October 15th, at 7:00 pm at

Jordan Acres Elementary School
Merrymeeting Road
Brunswick, Maine

At the meeting, the Navy, in coordination with the U.S.EPA and Maine DEP, will present the cleanup options evaluated as well as the preferred alternative described in the Proposed Plan for Site 8. Upon completion of the presentation, public questions will be addressed. Comments offered at this meeting will be included in the file at the Curtis Memorial Library.

- A public comment period will be conducted from October 1st to October 30th. Opinions and concerns may be forwarded in writing to:

James Shafer
Naval Facilities Engineering Command
10 Industrial Highway, Mail Stop 82
Town of Lester, Pennsylvania 19112-2090

Verbal comments received at the October 15, 1992 public meeting and hearing and written comments received during the public comment period will be considered in the selection of alternatives. These public comments will be addressed in the Responsiveness Summary portion of the Record of Decision (ROD).

For further information, Please contact:

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