



STATE OF MAINE

DEPARTMENT OF ENVIRONMENTAL PROTECTION

N60087.AR.000558
NAS BRUNSWICK
5090.3a

ANGUS S. KING, JR.
GOVERNOR

EDWARD O. SULLIVAN
COMMISSIONER

July 24, 1996

Mr. Fred Evans
Department of the Navy
Northern Division
Naval Facilities Engineering Command
10 Industrial Highway, Mailstop 82
Lester, PA 19113-2090

RE: Draft Sites 4, 11, 13 Proposed Plan dated June 1996 for Naval Air Station,
Brunswick, ME

Dear Fred:

The Maine Department of Environmental Protection (MEDEP) has reviewed the Navy's Proposed Plan for Sites 4, 11, and 13. The MEDEP provides their comments below.

General Comments

The proposed plan should consider additional work at Site 4 in the event Building 584 is removed. The original investigation did not perform subsurface investigations in the acid/caustic pit at Site 4 because it is located beneath the floor of the Building 584. Consider performing additional investigations (e.g., test borings, monitoring wells) at Site 4 as part of any planned demolition the building.

Specific Comments

Introduction, Page 1, 1st column, first para

"These sites are three of 13 sites being addressed by the station's Installation Restoration Program (IRP)."

Please clarify. I believe that we've addressed more than 13 sites at the base. I presume that some sites are not part of the IRP program.

Findings of Field Investigations, Page 3, 2nd column, last para

"The contaminated groundwater is not flowing toward residential areas east of the base, and is not currently discharging to or impacting any surface water bodies."

Given the uncertainty surrounding the contaminant levels detected in MW-311, consider modifying the sentence.

Serving Maine People & Protecting Their Environment

AUGUSTA
17 STATE HOUSE STATION
AUGUSTA, MAINE 04333-0017
(207) 287-7688 FAX: (207) 287-7826
OFFICE LOCATED AT: RAY BUILDING, HOSPITAL STREET

PORTLAND
312 CANCO ROAD
PORTLAND, ME 04103
(207) 822-6300 FAX: (207) 822-6303

BANGOR
106 HOGAN ROAD
BANGOR, ME 04401
(207) 941-4570 FAX: (207) 941-4584

PRESQUE ISLE
1235 CENTRAL DRIVE, SKYWAY PARK
PRESQUE ISLE, ME 04769
(207) 764-0477 FAX: (207) 764-1507

Findings of Field Investigations, Page 3, 2nd column, last para

"Based on groundwater modeling, the plume was predicted to reach the discharge zone in about five years;..."

Please include the start date for the five year period.

The Navy's Proposed Final Remedy, Page 3, 2nd column, last para

"The Navy will be adding wells to the monitoring program to increase coverage in the area of Sites 4, 11, and 13."

Install two additional test borings/monitoring wells at Site 11 beneath the former fire training pit and in the vicinity of confirmation sample 0030A. Based on current information, the MEDEP believes these two areas have the greatest potential for residual contamination in subsurface soils. This belief is based on historical activities at the fire pit and the detection of contamination in confirmation sample 0030A (see attached). Monitoring well screens should be placed at the top of the confining layer to assess for the presence of DNAPL.

The Public's Role in Alternative Selection, Page 5, 2nd column, last para

Please make the following changes:

Nancy Beardsley
Department of Environmental Protection
Bureau of Remediation and Waste Management
State House Station #17
Augusta, Maine 04333
(207) 287-7713

If you have any questions, please call me at 207-287-7713. Thank you.

Sincerely,



Nancy Beardsley
Project Manager, Division of Remediation
Bureau of Remediation and Waste Management

attachment: confirmation sample 0030A results

pc: Robert Lim, USEPA
Jim Caruthers, NAS Brunswick
Carolyn Lepage, Lepage Environmental
Jeff Brandow, ABB ES
Rene Bernier, Topsham
Tom Fusco, Brunswick
Susan Weddle, Brunswick
Ken Finklestein, NOAA
David Gleason, Brunswick
Richard Sobocinski, Brunswick
James Macleod, Brunswick
Topsham Water District
Steven Mierzykowski, USFW
Mark Hyland, MEDEP
Richard Heath, MEDEP
Marianne Hubert, MEDEP

Discharge Limits and Standards.

Developer's groundwater treatment facilities will provide treatment to drinking water standards and will accomplish removal of volatile organic compounds (VOC's) and heavy metals (metals) such that concentrations of VOC's and metals in flows from groundwater treatment facilities will not exceed the following levels:

2000 10/28/95

Methylene Chloride

<u>Contaminant</u>	<u>Effluent Concentration (mg / L)</u>	<u>Note</u>	<u>Sample Type</u>
1,1-Dichloroethane (DCA)	0.094	Maximum	Grab
1,1-Dichloroethene (DCE)	0.007	Maximum	Grab
1,2-Dichloroethylene	0.070	Maximum	Grab
Tetrachloroethylene	0.005	Maximum	Grab
1,1,1-Trichloroethane (TCA)	0.750	Maximum	Grab
1,1,2-Trichloroethylene	0.005	Maximum	Grab
Dichloromethane	0.005	Maximum	Grab
Vinyl Chloride	0.002	Maximum	Grab
Arsenic	0.050	Maximum	Grab
Chromium	0.010	Maximum	Grab
Cyanide	0.034	Maximum	Grab
Lead	0.015	Maximum	Grab
Nickel	0.078	Maximum	Grab
Zinc	0.200	Maximum	Grab
pH	6.0	Minimum	Contin
pH	8.0	Maximum	Contin
Turbidity	50	ntu	Contin