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C-49-12-5-311

December 29, 1995

Project Number 0206

Mr. Jim Colter (Code 1823)
Remedial Project Manager
Northern Division
Naval Facilities Engineering Command
10 Industrial Highway, MS#82
Lester, Pennsylvania 19113

Reference: Clean Contract No. N62472-90-D-1298,
Contract Task Order No. 0138

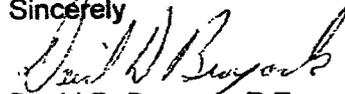
Subject: Revised Draft Poster Stations and B&RE Overheads for Public Meeting
NWIRP Calverton, New York

Dear Mr. Colter:

Please find enclosed two copies of the subject posters and overheads for your use. As discussed, copies have been forwarded directly to Ms. Judith Hare and Mr. Marshall Levitan of Naval Air Systems Command. These revised posters incorporate verbal comments from Ms. Hare.

If have any questions or require additional information, please call me at (412) 921-8375.

Sincerely



David D. Brayack, P.E.
Project Manager

/DDB

cc: Mr. R. Boucher (Navy) w/o attachment
Ms. J. Hare (Navy)
Mr. M. Levitan (Navy)
Mr. D. Rule (Navy) w/o attachment
Mr. J. Trepanowski (B&RE)
Mr. D. Hutson (B&RE)
Mr. J. Farrell (B&RE) w/o attachment

PUBLIC MEETING

NAVAL AIR SYSTEMS COMMAND NAVAL WEAPONS INDUSTRIAL RESERVE PLANT CALVERTON, NEW YORK

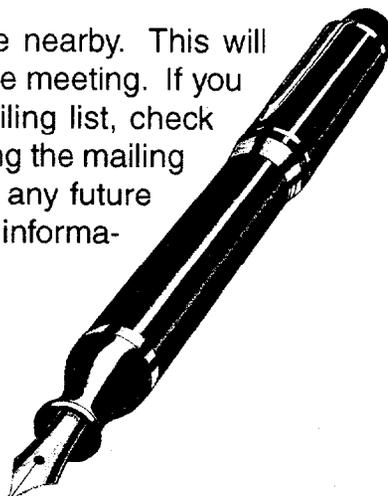
WELCOME !

The Naval Air Systems Command and the Naval Weapons Industrial Reserve Plant (NWIRP) welcome you. The purpose of this meeting is to share information with you about the results to date of the Navy's environmental study of the Calverton facility.



Please take a few minutes to visit each of the poster stations. Navy personnel and technical experts involved in the investigations are at the stations. The poster stations will give you a preview of the information to be shared in the meeting.

Please sign the sheet on the table nearby. This will give us a record of who attended the meeting. If you would like to be placed on the mailing list, check the box next to your name. By joining the mailing list, you will receive information on any future meetings and copies of published information, such as fact sheets.



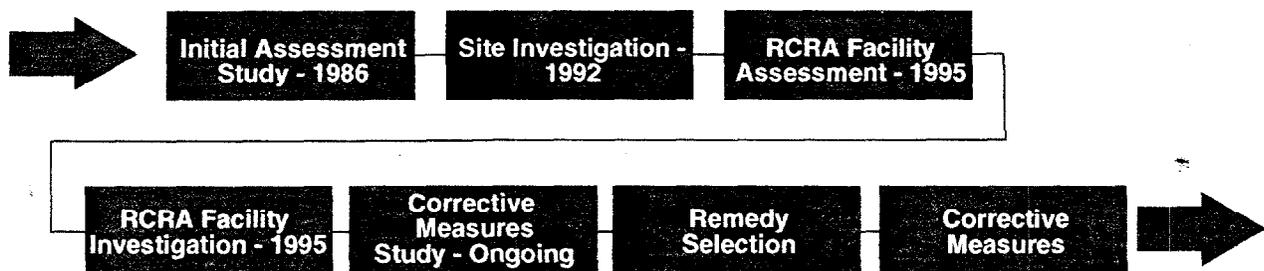
MISSION AND HISTORY OF NAVAL WEAPONS INDUSTRIAL RESERVE PLANT CALVERTON, NEW YORK

- Naval Weapons Industrial Reserve Plant (NWIRP) Calverton assembled, tested, refitted, and retrofitted naval aircraft. The facility supported aircraft design and production at NWIRP Bethpage.
- NWIRP Calverton is owned by the Naval Air Systems Command.
- NWIRP Calverton was built during the Korean War and completed in 1954.
- The plant has been leased by the Grumman Corporation since 1954. Grumman Corporation is now known as Northrop Grumman Corporation.
- Northrop Grumman issued a letter of intent and is currently in the process of vacating the Calverton facility.

THE NAVY'S INSTALLATION RESTORATION PROGRAM

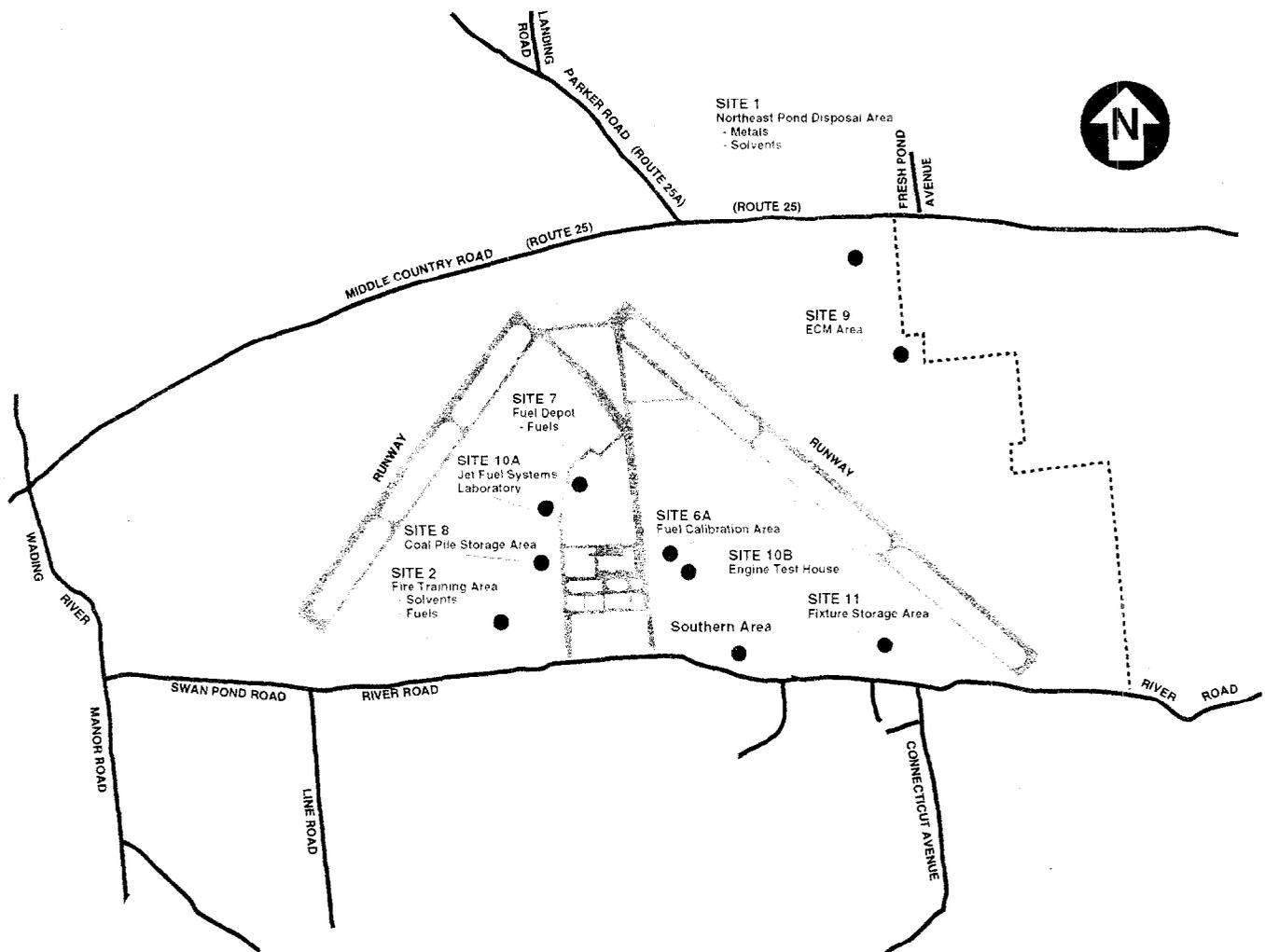
- Although acceptable for many years, the old industrial processes and ways of handling wastes are now known to be potentially damaging to the environment.
- In 1975, the Department of Defense (DOD) took the first step to create a program to identify and clean up environmental problems at federal facilities.
- Later, Congress enacted laws including the Comprehensive Environmental Response, Compensation and Liability Act of 1980 to clean up and control past hazardous waste disposal and spill sites.
- DOD's program, and therefore the Navy's program, was revised to comply with the new laws. The Navy commenced investigations in 1985. These investigations are continuing.

NAVY'S INSTALLATION RESTORATION PROGRAM AT NWIRP CALVERTON



NAVAL WEAPONS INDUSTRIAL RESERVE PLANT CALVERTON, NEW YORK INSTALLATION RESTORATION PROGRAM

SITE LAYOUT



LEGEND

- Solvents:** An organic liquid used for dissolving oils, grease, paint, etc. Examples include nail polish remover, dry cleaning fluids, and paint thinners.
- Fuels:** Primarily jet fuel and some gasoline.
- Metals:** Heavy metals including chromium, copper, lead, nickel, silver, and zinc.

NAVAL WEAPONS INDUSTRIAL RESERVE PLANT CALVERTON, NEW YORK INSTALLATION RESTORATION PROGRAM

WHAT'S NEXT

- The Navy is in the process of establishing a Restoration Advisory Board, which will include representatives from the community.
- The Installation Restoration Program will continue even after the property is transferred to the Town of Riverhead.

NAVAL WEAPONS INDUSTRIAL RESERVE PLANT CALVERTON, NEW YORK INSTALLATION RESTORATION PROGRAM

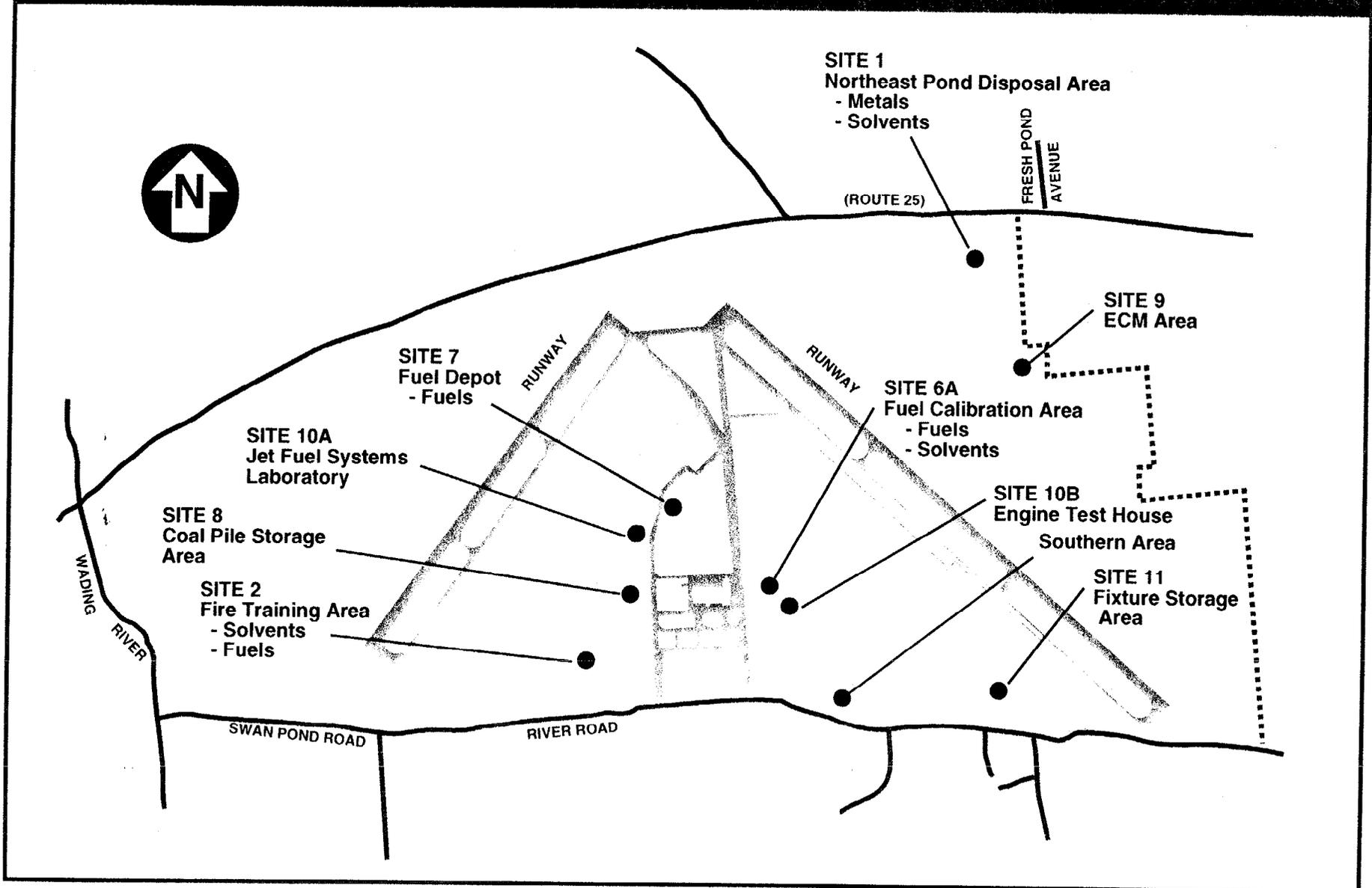
COMMUNITY RELATIONS

- A Community Relations Plan was prepared in 1994.
- This plan as well as all documents prepared under the Installation Restoration Program are available for public review at the local information repository.
- The NWIRP Calverton information repository is at the reference desk at the:

Riverhead Free Library
330 Court Street, Riverhead
516 - 727-3228

- The library is open during the week from 9 am to 9 pm; on Saturdays from 9 am to 5 pm; and on Sundays (from October to May) from 1 pm to 5 pm.

NWIRP CALVERTON SITE MAP



MEDIA AND POTENTIAL CONCERNS AT NWIRP CALVERTON

- Soils - Ingestion and Dust
- Groundwater - Drinking Water
- Sediment - Aquatic Life (Fish)
- Surface Water - Aquatic Life (Fish) and Swimming
- Currently Identified Areas of Concern Affect 20 to 30 Acres of the 6,000-acre Facility

PRIMARY CONTAMINANTS OF CONCERN AT NWIRP CALVERTON

■ Fuels

- Result from Leaks and Spills
- Generally Not Toxic, But Do Contain Some Toxic Organics, Not as Toxic as Gasoline
- Degrades Naturally, But Slowly
- Majority Floats on Groundwater, Does Not Dissolve and Moves Slowly

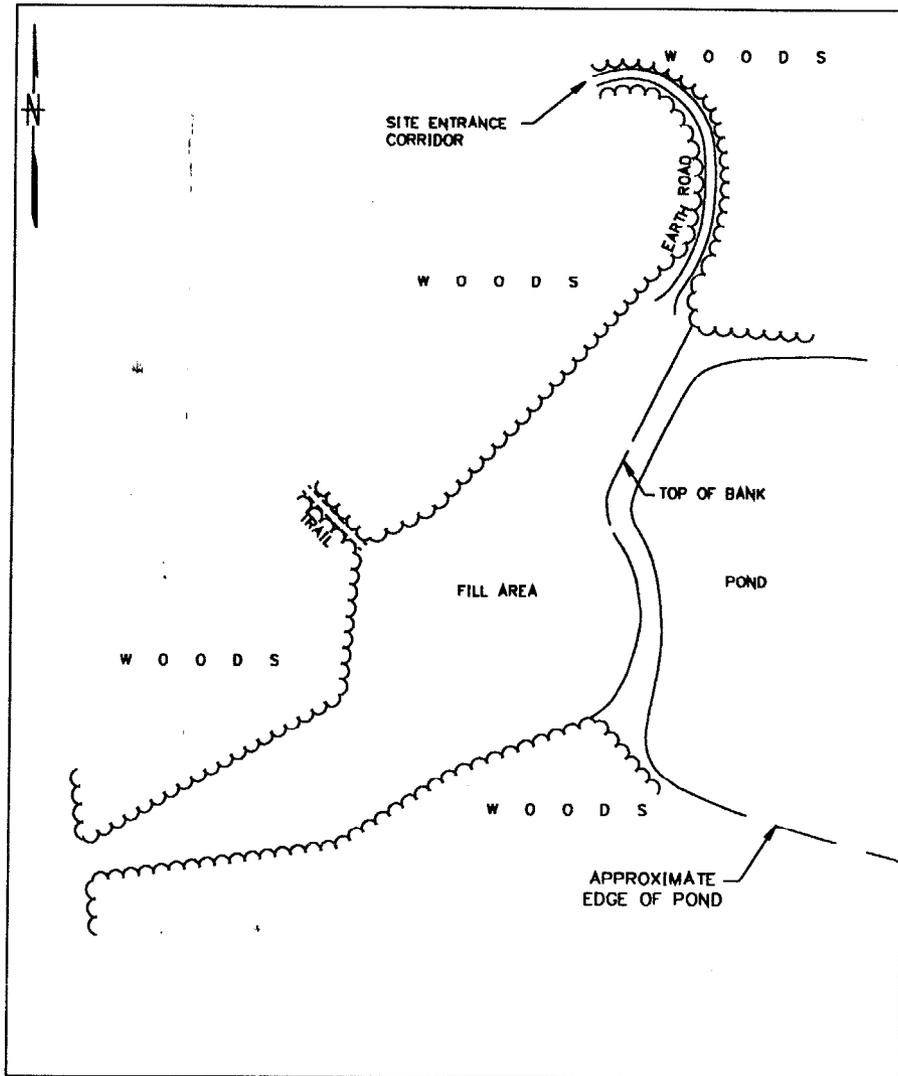
■ Solvents

- Used to Clean Metal Parts, Also Commonly Used by Dry Cleaners
- Dissolves and Moves with Groundwater
- Long-Term Health Problems may Result from Drinking Contaminated Groundwater; Groundwater at the Site is Not Used for Drinking
- Most Solvents Degrade Very Slowly

PRIMARY CONTAMINANTS OF CONCERN AT NWIRP CALVERTON (continued)

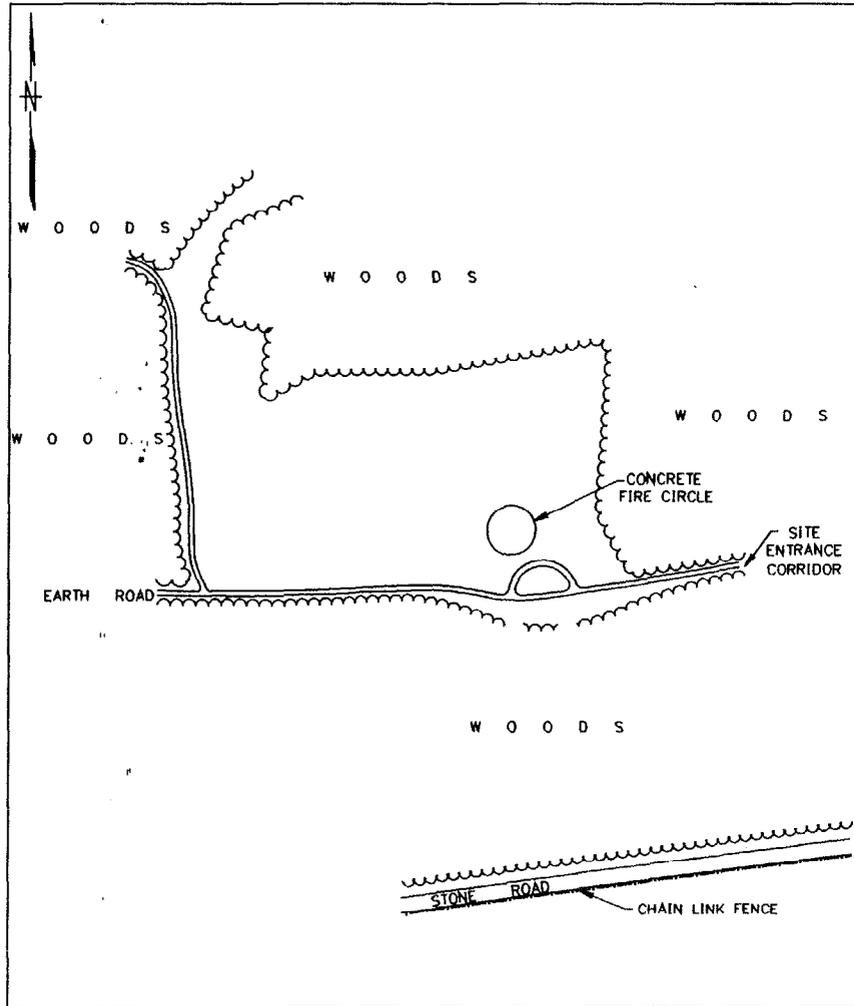
- Heavy Metals
 - Residues from Metal Processing Operations
 - Only Found in Limited Areas and at Low Levels
 - No Current Risk

SITE 1 - NORTHEAST POND DISPOSAL AREA



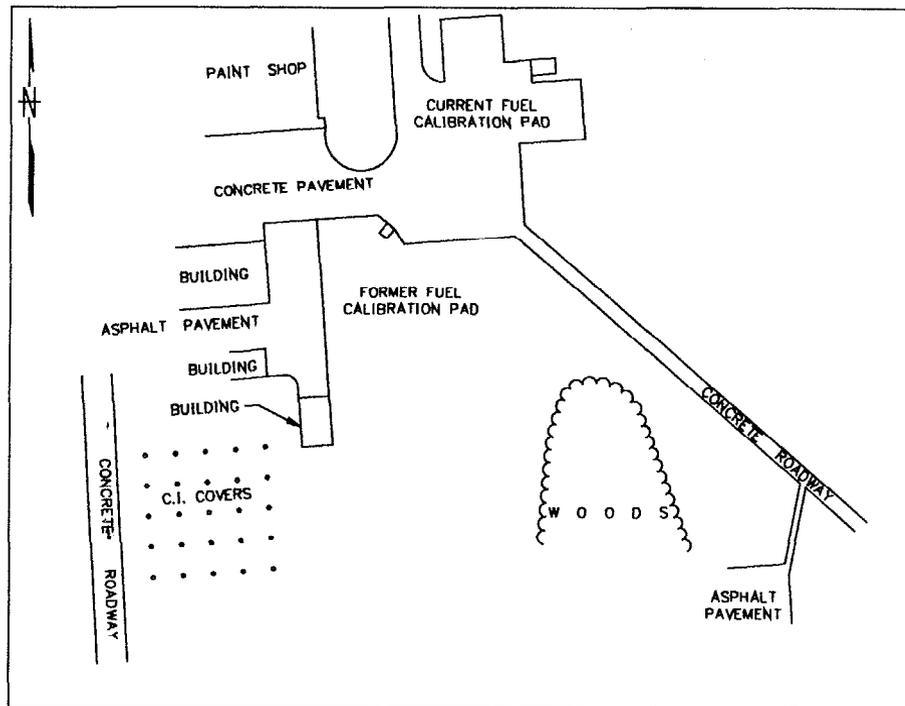
- 2-Acre Landfill Where Miscellaneous Waste and Debris were Disposed
- Metals and Other Trace Chemicals Found in Soils, Sediments, and Groundwater
- Cleanup Alternatives for Soils, Sediments, and Groundwater Currently Being Considered

SITE 2 - FIRE TRAINING AREA



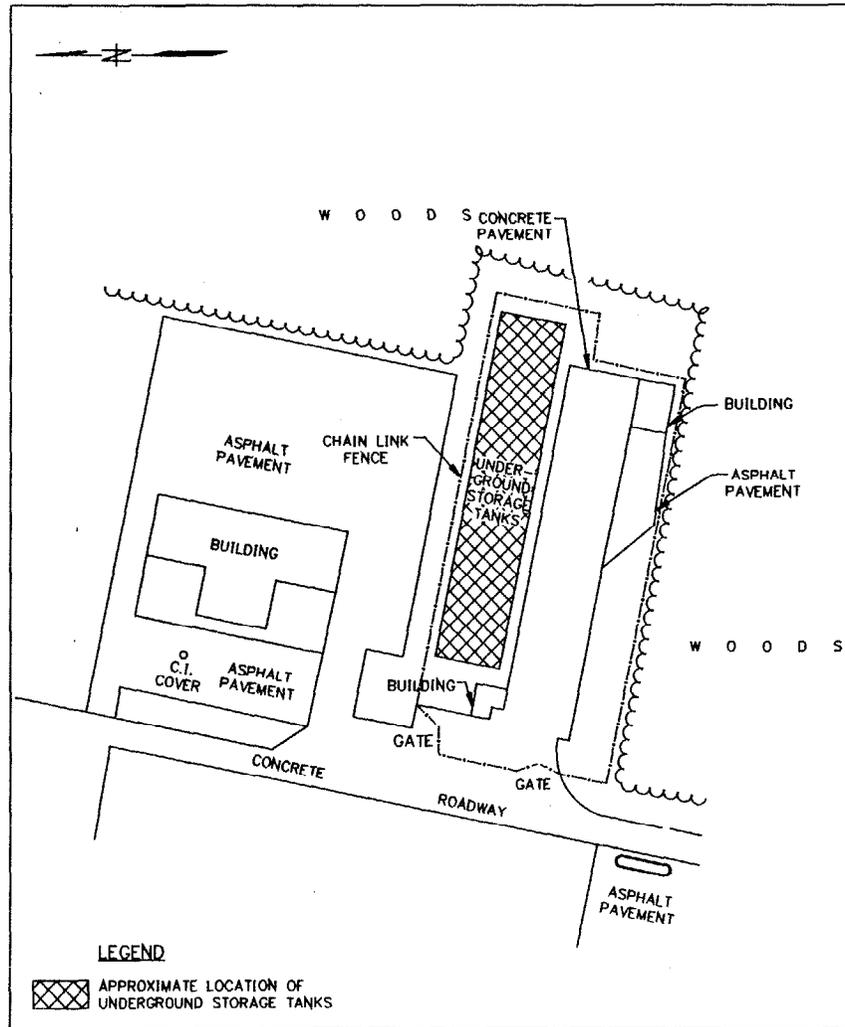
- Earthen and Concrete Pits Used to Conduct Fire Training Exercises
- Solvents Found in Soils and Groundwater
- Oil Found Floating on the Groundwater
- Field Test Conducted in Fall 1995 to Evaluate Potential for In-Place Treatment
- Currently Evaluating Need for Further Cleanup

SITE 6A - FORMER FUEL CALIBRATION AREA



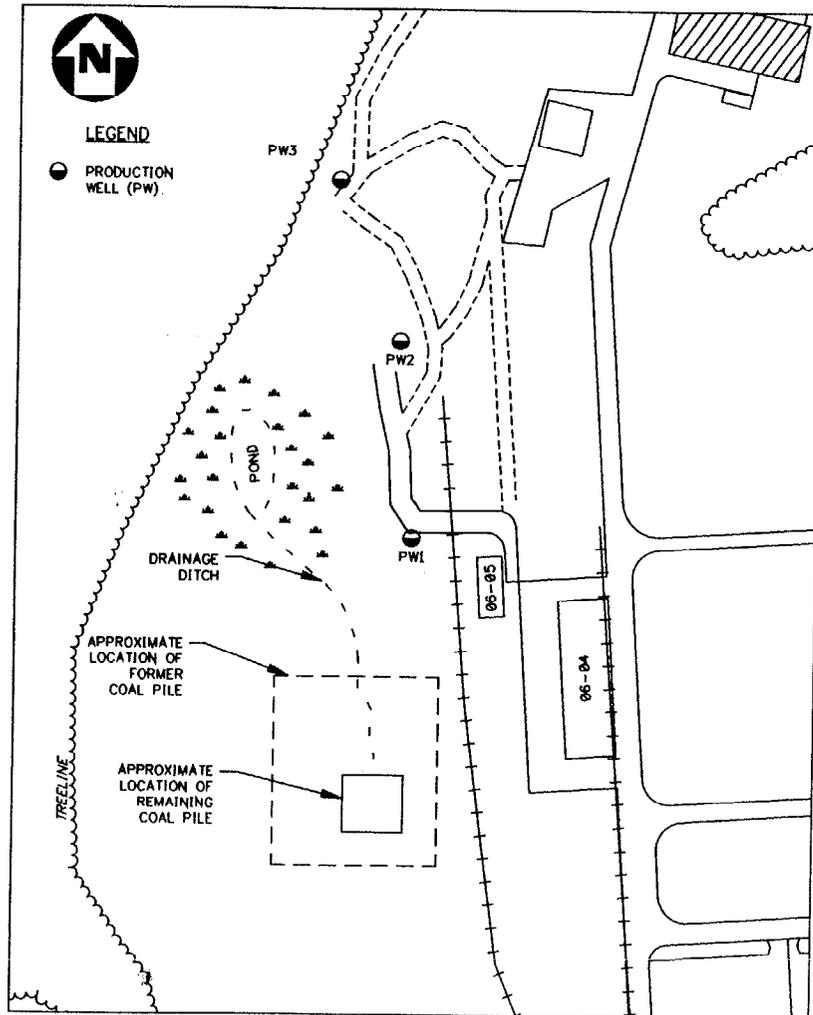
- Concrete Pad Where Fuel Systems were Tested
- Solvents Found in Soils and Groundwater
- Oil Found Floating on the Groundwater
- Cleanup Alternatives for Soils, Oil, and Groundwater Currently being Considered

SITE 7 - FUEL DEPOT



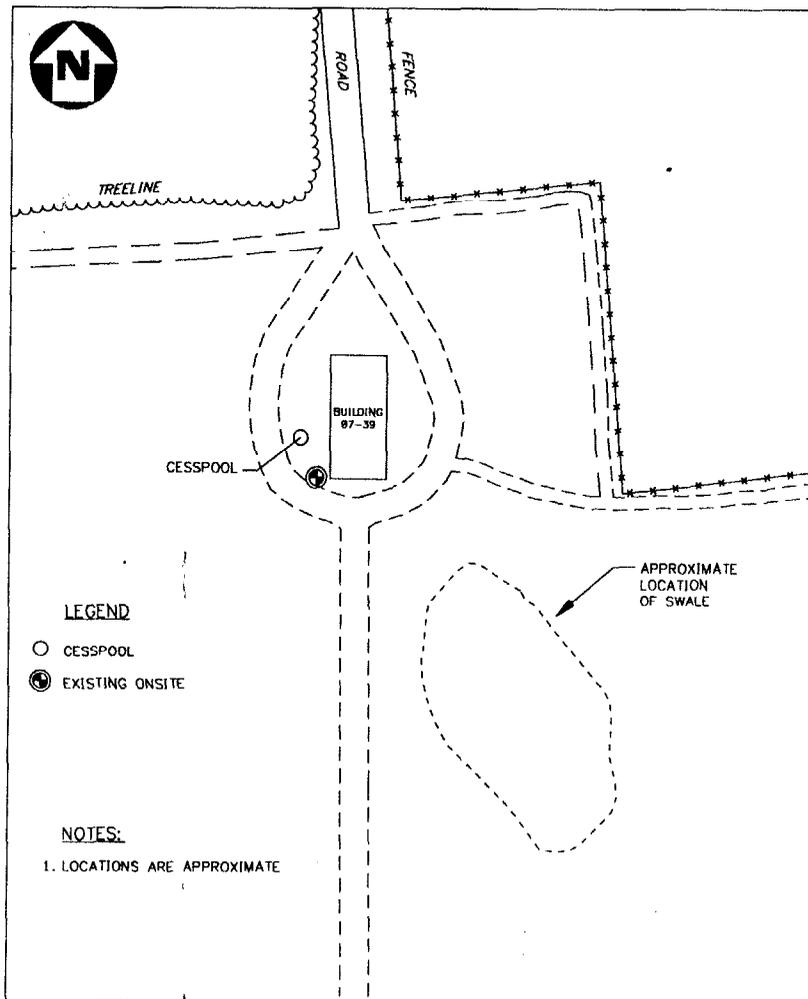
- Fuels Stored and Distributed From Underground Storage Tanks
- Fuel found Floating on the Groundwater
- Cleanup Alternatives for Fuel Currently being Considered

SITE 8 - COAL PILE STORAGE AREA



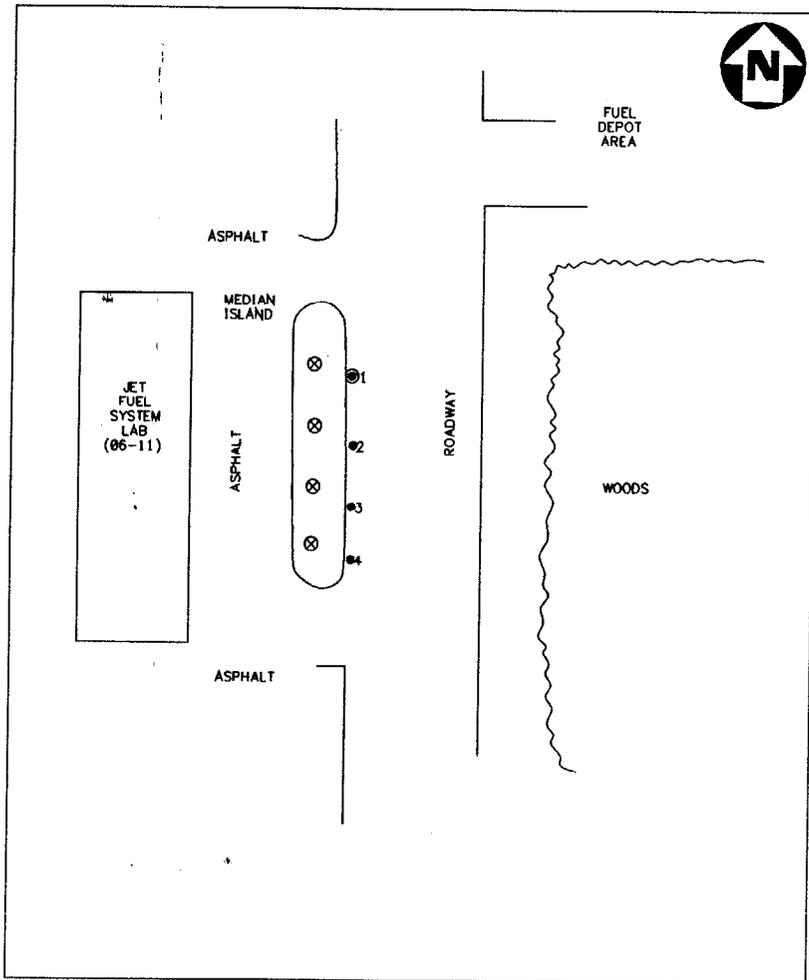
- Coal used in Steam Plant
- Waste Oils and Solvents May have been Placed on Coal
- Adjacent Production Wells Contain Trace Levels of Solvents
- Currently Collecting Information on Soil and Groundwater, with Study to be Completed in Spring of 1996

SITE 9 - ELECTRONIC COUNTER MEASURES AREA (ECM)



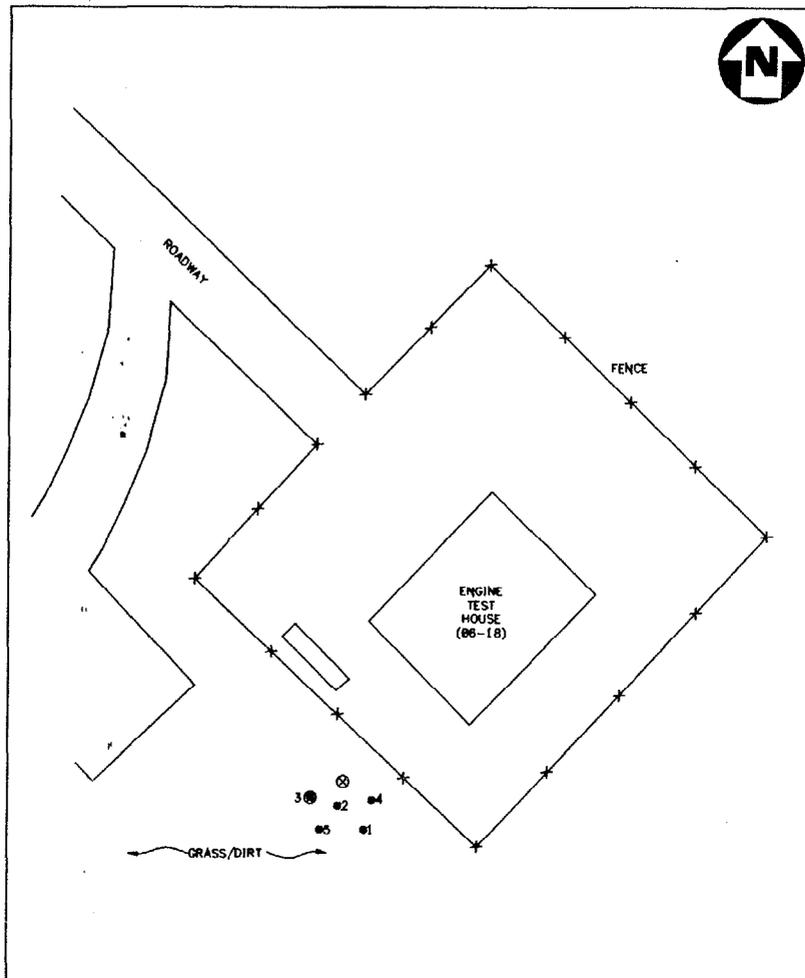
- Test Area for Electronic Equipment
- Small Quantities of Solvent used for Laboratory Procedures
- Offsite Solvent-Contaminated Groundwater Detected
- Currently Collecting Information on Groundwater, with Study to be Completed in Spring of 1996

SITE 10A - JET FUEL SYSTEMS LABORATORY



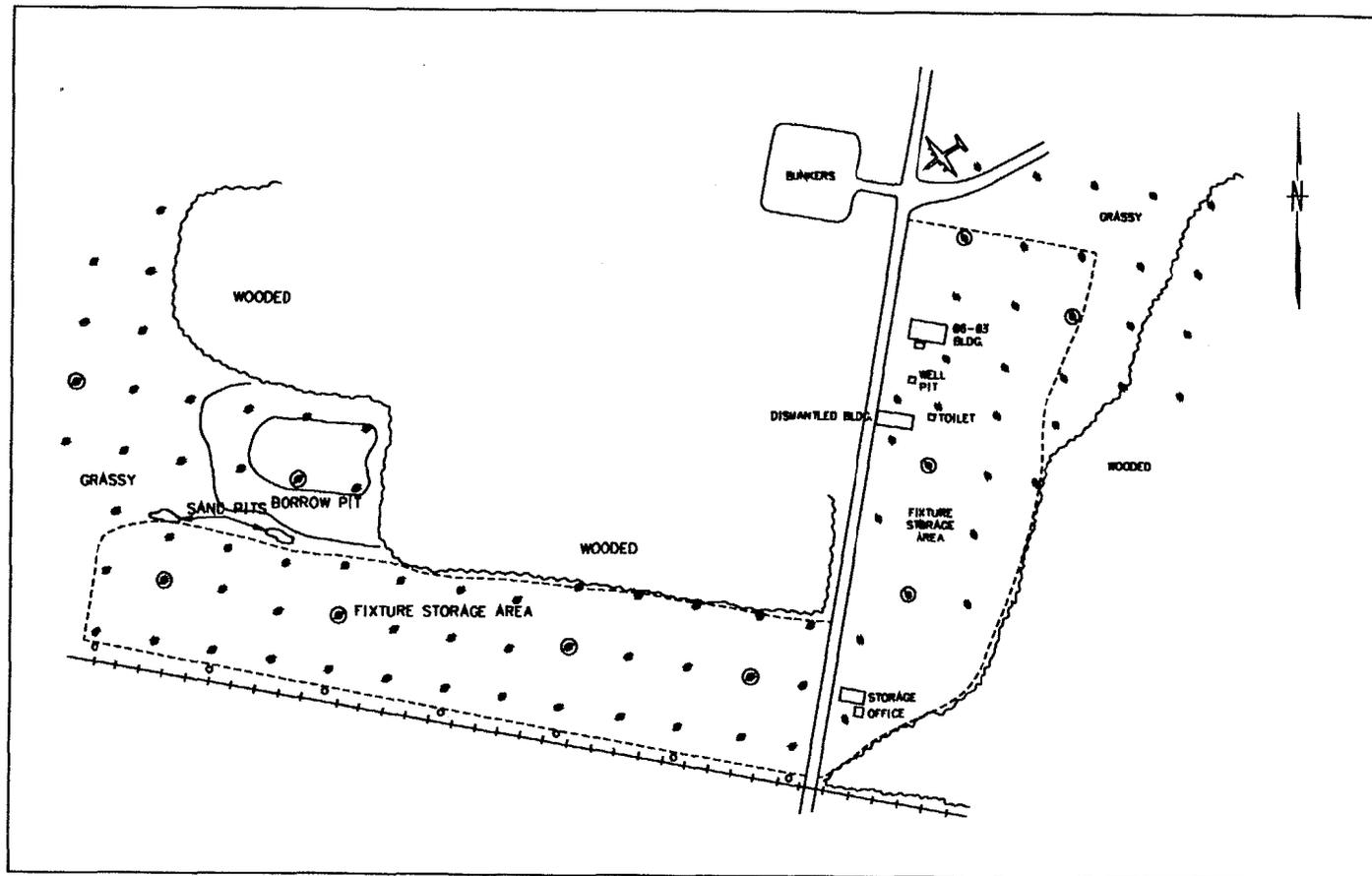
- Former Cesspool
- Waste Oils and Solvents may have been Discharged to Drain
- Adjacent Production Wells Contain Trace Levels of Solvents
- Currently Collecting Information on Soil and Groundwater, with Study to be Completed in Spring of 1996

SITE 10B - ENGINEER TEST HOUSE



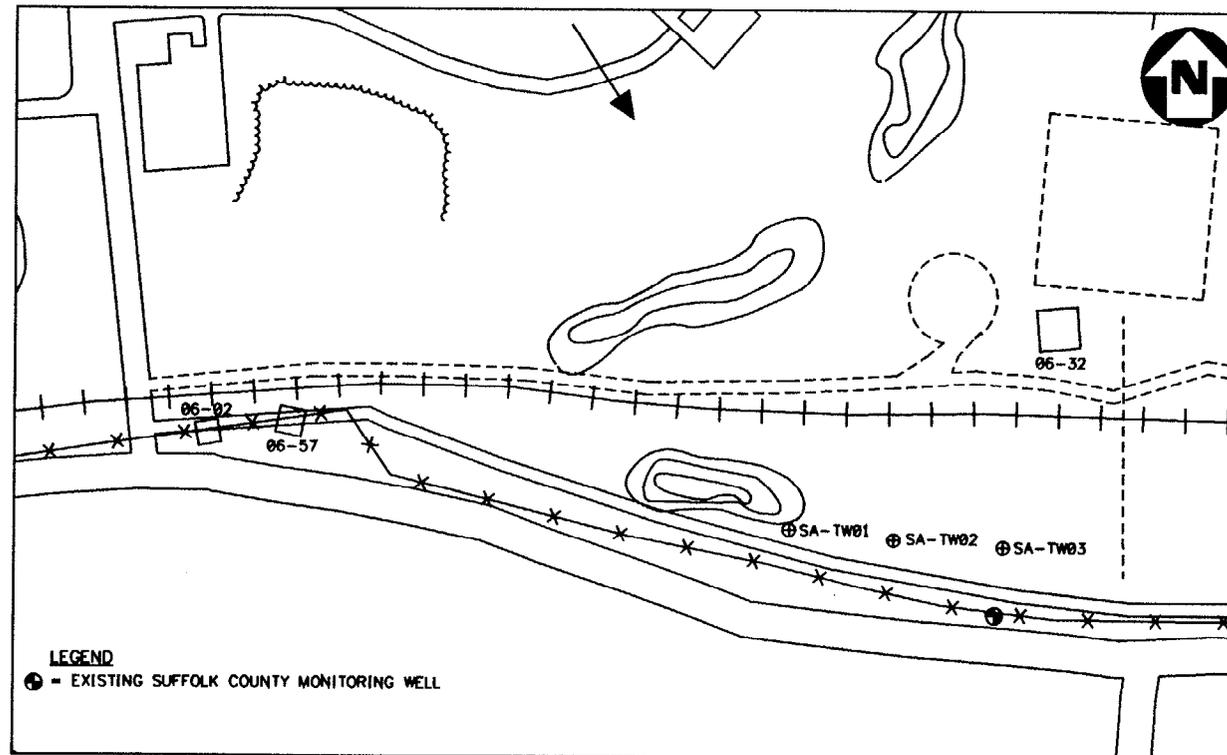
- Former Cesspool
- Waste Oils and Solvents may have been Discharged to Drain
- Currently Collecting Information on Soil and Groundwater, with Study to be Completed in Spring of 1996

SITE 11 - FIXTURE STORAGE AREA



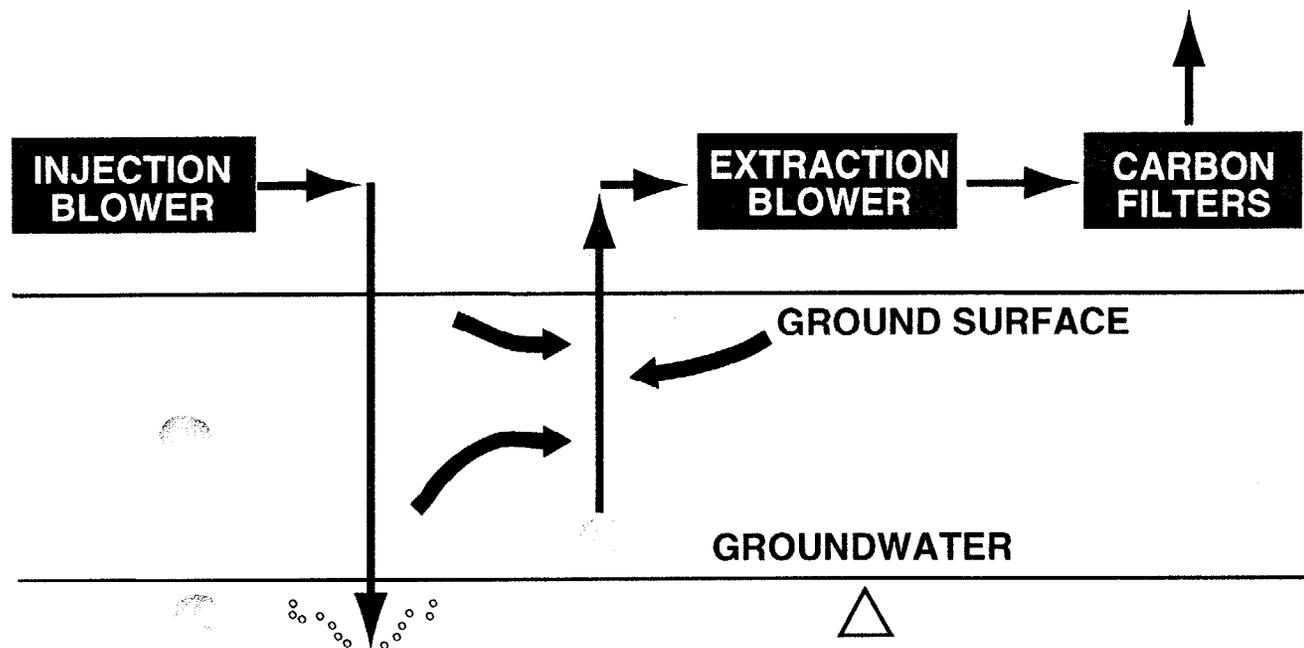
- Stored Miscellaneous Equipment and Conducted Lunar Training Exercises
- Trace Chemicals Detected in 1994; No Further Action Required

SOUTHERN AREA



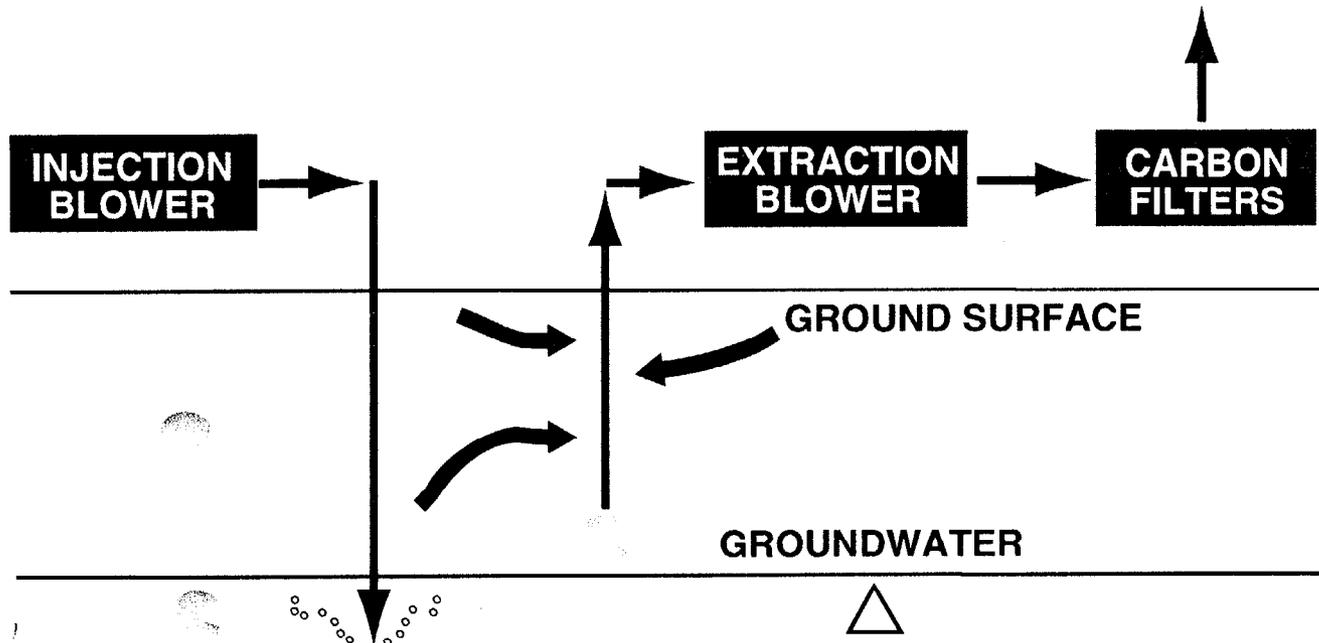
- No Industrial Activities at this Area; However, Several Upgradient Sites Exist
- Offsite Solvent-Contaminated Groundwater Detected
- Currently Collecting Information on Groundwater, with Study to be Completed in Spring of 1996

INNOVATIVE EARLY ACTION TO REMEDIATE BORDER PROPERTY SOIL VAPOR EXTRACTION AIR SPARGING TEST AT SITE 2 - FIRE TRAINING AREA



- Inject 140 Cubic Feet Per Minute of Air
 - Injected Air is Used to Enhance the Ability of Naturally Occurring Biological Organisms to Destroy Contaminants
 - Injected Air is Used to Strip Contaminants from Soil and Groundwater; Contaminated Air is Collected by an Extraction System

**INNOVATIVE EARLY ACTION TO REMEDIATE BORDER PROPERTY
SOIL VAPOR EXTRACTION
AIR SPARGING TEST AT SITE 2 - FIRE TRAINING AREA (continued)**



- Extract 200 Cubic Feet Per Minute of Air
 - Extracted Air contains Solvents, Fuels, and Carbon Dioxide (From Biological Activity)
 - Air is Treated with Activated Carbon to Remove Fuels and Solvents Prior to Discharge
 - Carbon is Regenerated Off Site
- Operated Pilot Test for Four Months (Shut Down for Winter)