



DEPARTMENT OF THE NAVY

NORTHERN DIVISION  
NAVAL FACILITIES ENGINEERING COMMAND  
BUILDING 77L U.S. NAVAL BASE  
PHILADELPHIA, PENNSYLVANIA 19112-5094

N60478.AR.000074  
NWS EARLE  
5090.3a

IN REPLY REFER TO

5090

Ser 113 0/1421/GH

11-14-1990

New Jersey Department of Environmental Protection  
Bureau of Federal Case Management  
Attn: Joseph Freudenberg  
CN 028  
Trenton, NJ 08625-0028

Re: INSTALLATION RESTORATION STUDY, NAVAL WEAPONS STATION (NWS)  
EARLE, NJ

Dear Mr. Freudenberg:

This letter forwards the proposed Supplement to the Remedial Investigation Work Plan for Test Pit Investigation at Sites 3, 4, 5, 7, and 10 at NWS Earle for your review. It meets the criteria for test pits that were discussed at the Technical Review Committee (TRC) meeting on 23 October 1990.

Please be prepared to discuss any comments on this issue at the next TRC meeting scheduled for 11 December 1990.

If you have any questions or concerns, please contact Mr. Jerry Hoover at (215) 897-6432.

Sincerely,

T. G. SHECKELS  
Head, Restoration Management Section  
By direction of the Commanding Officer

Enclosure:

- (1) Supplement to the RI Work Plan Test Pit Investigation, for Sites 3, 4, 5, 7, and 10 at NWS Earle

Copy to:

EPA Region II, Paul Ingrisano  
NWS Earle, William T. Matthaey



**SUPPLEMENT TO THE RI WORK PLAN  
TEST PIT INVESTIGATION, FOR SITES 3, 4, 5, 7 AND 10  
NWS EARLE, COLTS NECK, NEW JERSEY**

**14 NOVEMBER 1990**

A test pit investigation will be conducted at landfill sites number 3, 4, 5, 7, and 10. The objective of this task is to obtain a physical description of landfill cover and waste material, and to obtain samples for chemical analyses.

A backhoe will be used to excavate four to six test pits at each landfill to a maximum depth of 10 feet below ground surface (BGS). Cover material will be stockpiled separately from underlying waste. The test pits will allow visual observations of subsurface conditions. The test pits will be described and logged in the field notebook and will include color, texture, moisture, depth to water and odor or staining if present.

Sampling will be conducted in level D upgrade to level C; an addendum for the RI HASP will be submitted out-lining the task specific Health and Safety requirements. *what are action levels?*

No test pits will be entered by WESTON personnel and all sampling will be conducted using the backhoe bucket and a shovel as needed. Two samples will be selected at each site for full TCL and TAL analyses. These grab samples will be taken of impacted soils, leachate or perched water. At least one sample will be of solids; the other sample will be of liquids, if encountered. Upon completion, excavated materials will be sequentially backfilled into the test pit and compacted with the backhoe bucket. The backhoe bucket will be steam cleaned before excavation of the first pit, between sampling locations and following completion of the last pit.

Sample handling, documentation, analytical, and QA/QC procedures will be consistent with procedures for soil and water sampling specified in the RI Quality Assurance Project Plan. The information and data gleaned from the test pit investigation will be evaluated, and incorporated into the RI report.

*Record OVA levels  
Photograph pits*