



## State of New Jersey

Christine Todd Whitman  
Governor

Department of Environmental Protection

Robert C. Shinn, Jr.  
Commissioner

SEP 30 1996

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED  
NO. P 170 079 740

John Kolicius  
Project Manager  
Naval Facilities Engineering Command  
10 Industrial Highway  
Code 1821, Mail Stop 82  
Lester, PA 19113-2090

Dear Mr. Kolicius:

Re: Remedial Investigation Addendum Work Plan  
Naval Weapons Station Earle  
Colts Neck Twp., Monmouth Co.

The New Jersey Department of Environmental Protection (NJDEP) has reviewed the above referenced document prepared by Brown and Root Environmental., dated September 1996. The NJDEP approves this report with the following modifications.

- 1) Section 3.0 - The contractor proposes to use several types of equipment to conduct the investigation. The equipment proposed is a CPT drill rig, geoprobe rig, hydropunch rig/sampler and a conesipper rig. Several of these proposed pieces of equipment are new to the project since the submittal of the original Standard Operation Procedures Manual for the RI, thus they must now be documented [specification sheets, operation protocols/procedures etc] and should be included in this submittal.
- 2) Section 3.2.3 - It is recommended that the contractor should take a static ground water level measurement from all newly installed monitor wells which have been surveyed in to the existing mapping datum so that they can be included in the generation of additional ground water contour map(s).
- 3) Section 3.2.5 - This section of the document details how the hydropunch sampler will be used to collect the ground water samples at several proposed locations. The contractor should state whether they will be using the discrete ground water mode [hydropunch I] or the hydrocarbon mode [hydropunch II] to collect the ground water samples.

In addition, upon completion of the hydropunch boring to its target depth, it shall be tremie grouted/sealed as per NJDEP sealing protocols. Sealing is required because the proposed sample locations will be in areas of potential contaminant plumes. CPT and conesipper holes shall also be sealed according to NJDEP protocols.

- 4) Section 6.0 - Additional soil samples at Site 12 should be taken to determine whether the Lead contamination is from the battery storage or the railroad bedding. If its the railroad bedding, complete delineation is not necessary. However, the additional samples from Site 12 will be useful for the efforts under Section 11.0 regarding the evaluation of the railroad ballast material. See comment #6.
- 5) Section 8.0 - This section of the report should include a map depicting the proposed CPT investigation area(s). The final well locations will be determined after evaluation of the CPT data.
- 6) Section 11.3 - The approach for addressing the railroad bed ballast material should be explained in further detail. The section states that "...2 samples of bed ballast from background locations..." will be collected and analyzed for metals and leachability and then the results will be compared to "...other sample locations in slag areas...". What other slag areas are being discussed? It is not clear if these "other slag areas" that were previously sampled showed contamination that is believed to be railroad related and if so, what type of contamination was found.

If you have any questions, please call me at (609)-633-7237.

Sincerely,



Bob Marcolina, Case Manager  
Bureau of Federal Case Management

c: J. Gratz, EPA  
G. Geopfert, NWS Earle  
L. Jargowsky, Monmouth Co. Health Dept.