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LETTER LISTING CONDITIONS NEEDED TO FULFILL IN ORDER FOR THE STATE OF NEW  
JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION TO APPROVE WORK PLAN  
FOR RESAMPLING SOILS FOR THE CLOSURE OF BUILDING QH-8 AND DEMIL STORAGE  
PAD NWS EARLE NJ  
10/16/2002  
STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION



# State of New Jersey

Department of Environmental Protection

James E. McGreevey  
Governor

Bradley M. Campbell  
Commissioner

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A.L. Hermanni  
Safety Director  
By Direction of  
The Commanding Officer  
Department of the Navy  
Naval Weapons Station Earle  
201 Highway 34 South  
Colts Neck, New Jersey 07722-5001

OCT 16 2002

RE: Re-Sampling of Soils for the Closure of Building QH-8 and the Demil Storage Pad, Department of the Navy, Naval Weapons Station Earle, Federal Enclave Located in Monmouth County, USEPA ID No. NJ0 170 022 172, NJ Hazardous Waste Facility Permit No. 1309A1HP05

Dear Mr. Hermanni:

The New Jersey Department of Environmental Protection (Department) is in receipt of a letter dated July 11, 2002, from Kenneth J. Kaiser, P.E., of Malcolm Pirnie, Inc. The letter includes a workplan for the re-sampling of soils for the closure of Building QH-8 and the Demil Storage Pad at Naval Weapons Station Earle (NWSE). The Department has completed a review of the July 11, 2002, letter and approves the work plan subject to the following conditions:

1. The STL-Connecticut laboratory does not have the required certifications for the methods that were proposed for soil analyses. The laboratory is not certified for various preparation and cleanup methods. In addition, the laboratory is not certified for individual analytes in the volatiles, semivolatiles, pesticides, inorganics and diesel range organics (DROs) and gasoline range (GROs) analyses. A certified laboratory must be used for all proposed methods.
2. The incorrect method was listed for nitrates in soils. The method listed in plan was ASTM D3987. The correct method is USEPA SW846 Method 9056.
3. The plan states that the volatile soils samples will be collected in 250 ml soil jars or 40 ml septa vials with the preservation being cooling to 4°C. The samples must be collected in accordance with USEPA SW846 Method 5035.

4. The Equipment Decontamination Procedures specified at Section 3.0, Page 4 is correct. However, if no obvious visual contamination is observed during the collection of the soil samples, a three (3) step decontamination procedure is also acceptable which would be the first two (2) steps in the plan.
5. The Field Custody Procedures specified at Section 5.2, Page 7 do not require field blanks when collecting soil samples for volatile analysis via methanol preservation methods. The only requirement is a methanol trip blank. Blanks are not required for any other parameters during soil sampling activities.

Ms. Kathleen Grimes of the Department's Quality Assurance Section (QAS) contacted Mr. Kaiser regarding items one through three above. On July 24, 2002, Mr. Kaiser replied to Ms. Grimes' e-mail stating that USEPA SW846 Method 9056 for the analysis of nitrates in soils will be performed by STL-Edison's laboratory. In addition, the volatile soil samples will be collected using Encore<sup>TM</sup> or equivalent field sampling containers.

On July 29, 2002, Ms. Grimes again contacted Mr. Kaiser via e-mail stating that STL-Edison was not certified for USEPA SW846 Method 9056. A list of laboratories currently certified by USEPA SW846 Method 9056 was also electronically forwarded to Mr. Kaiser.

On August 1, 2002, Mr. Kaiser contacted Ms. Grimes via e-mail stating that STL-Edison would be used for all the analysis except USEPA SW846 Method 9056, which will be performed by STL-Connecticut, which is certified for this method.

NWSE must implement the approved workplan incorporating the above conditions within sixty (60) days from the date of this letter.

NWSE must notify the Bureau of Hazardous Waste and Transfer Facilities (Bureau) in writing at least fourteen (14) calendar days prior to initiation of the soil-sampling event so that an auditor from the Department can be present. Analytical results must be submitted to the Bureau within sixty (60) days from the date of the sampling event.

Should you have any questions regarding this matter, please e-mail John Scott of my staff at [john.scott@dep.state.nj.us](mailto:john.scott@dep.state.nj.us) or call him at (609) 292-9880.

Very truly yours,



Anthony Fontana, Chief  
Bureau of Hazardous Waste  
and Transfer Facilities

EP58/JS

C: Kenneth J. Kaiser, Malcolm Pirnie, Inc.  
Barry Tornick, USEPA, Region II  
Kathleen Grimes, BEMQA  
Denise Rude, BEMQA

Document: NWSE18