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TRANSMITTAL LETTER FOR THE STATE OF NEW JERSEY DEPARTMENT OF  
ENVIRONMENTAL PROTECTION COMMENTS ON PROPOSED 3000 GALLON ABOVE  
GROUND WASTE OIL STORAGE TANK AND CLOSURE PLAN FOR 2000 GALLON  
UNDERGROUND WASTE STORAGE TANK NWS EARLE NJ

3/24/1987

STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION



*Agreement 176*

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**State of New Jersey  
DEPARTMENT OF ENVIRONMENTAL PROTECTION**

**DIVISION OF HAZARDOUS WASTE MANAGEMENT**

John J. Trela, Ph.D., Acting Director  
401 East State St.  
CN 028  
Trenton, N.J. 08625  
609 - 633 - 1408

**MAR 24 1987**

John Mahoney  
Naval Weapons Station Earle  
Colts Neck, N.J. 07222-5006

Dear Mr. Mahoney:

RE: Two Waste Storage Tanks, Naval Weapons Station Earle, Colts Neck, Monmouth County, EPA ID No. NJ 0170022172

The Bureau of Hazardous Waste Engineering (the Bureau) has received the designs of a proposed 3000 gallon above ground waste oil storage tank in the Part B permit application dated June 16, 1986; and the letter addressed to Frank Coolick from Captain E.P. Nicholson on July 31, 1986. The July 31, 1986 letter stated your intentions to construct the tank to replace a 2000 gallon underground tank, and that you are awaiting the Bureau's approval for the proposed new installation.

A closure plan for 2,000 gallon underground waste storage tank was submitted on January 6, 1986 and revisions were received on April 25, 1986 and December 3, 1986.

After the review of all these submittals the following are the Bureau's comments:

- A. It was mentioned in the Part B that the 3000 gallon waste oil tank is designed in accordance with UL 142-78 standards. The Part B also mentions that the tank will be equipped with a thermometer, vacuum gauge, pressure gauge, pressure relief valve, and a liquid level indicator. The July 31, 1986 letter contained the design for the automatic feed cutoff system for the tank.

The description of the tank installation also included the following engineering designs and technical documents that were submitted either in the Part B application or with your letter dated July 31, 1986:

1. Drawing 3-5736 Waste Oil Tank: C-14  
Mechanical Plans and Details; Manhole Detail

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2. Drawing 3-5737 Waste Oil Tank C-14  
Electrical and Discharge Valve Plans, Stations and Details
3. Drawing 3-5738 Waste Oil Tank C-14  
Containment Site Plans, Stations and Details As Revised
4. Proposed Specifications and Instructions For Use Of Waste Oil  
Storage Tank Pump System  
(Attached to 7/31/86 letter)
5. One-Line Electrical Diagram (Attached to 7/31/86 letter)

The documents indicate that the proposed 3000 gallon above ground waste oil tank and containment structure meet the design requirements required by the New Jersey Hazardous Waste Management Regulations. Therefore, the Bureau approves the installation of the tank as well as the construction of the containment area. However, the approval of the installation of the tank as well as the construction of the containment area installation is considered to be a modification of Part A but shall not be construed as approval of the Part B application.

- B. In regard to the closure plan for the 2000 gallon underground tank, a Public Notice was issued and a public comment period of thirty (30) days was provided for comments concerning the closure plan. However, no comments have been received from the public concerning closure.

Therefore, the Division of Hazardous Waste Management hereby approves the closure plan of Naval Weapons Station Earle's 2000 gallon waste storage tank located at building C-14. Closure of the subject tank shall be in accordance with N.J.A.C. 7:26-9.8, the revised closure plan dated November 25, 1986 and also the following conditions:

1. You shall complete closure activities of the tank within 180 days after this date of approval of the closure plan.
2. The tank, all appurtenances, wastes and waste residues, shall be shipped, via manifests, to an authorized facility, within 90 days of the date of this letter.
3. All equipment used in the closure activity should be decontaminated and the resulting rinse shall be manifested to an authorized facility. All discarded unusable equipment shall also be manifested to an authorized facility.
4. Soil around 2000 gallon tank should be sampled and analyzed after the tank removal. If the analytical results show that the soil is contaminated, Naval Weapons Station Earle should submit clean up program within 60 days of the notification from the New Jersey Department of Environmental Protection.

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In accordance with requirements of the Bureau of Environmental Measurements and Quality Assurance, the closure should include the following:

- a. All data shall conform to NJDEP - Tier I deliverables requirements.
  - b. Sampling locations - Information should be supplied on sampling depths. Samples should be taken within one foot of the bottom of the tank. If a seasonally high water table occurs above this level, additional samples should be taken across the water table.
  - c. Sampling methodology - The proposed sampling parameters are acceptable for screening purposes; however if any samples indicate a leak has occurred, the soil should also be analyzed for volatile organics and heavy metals, particularly lead, nickel, chromium, zinc and vanadium.
5. Provide written certification by the owner or operator and an independent professional engineer who is registered in New Jersey that the procedures outlined above have been completed in accordance with the approved closure plan, within 210 days of the date of this letter.
  6. The enclosed certification statement required by the Bureau of Underground Storage Tanks (BUST) must be submitted to BUST within thirty days after the tank closure is completed.
  7. The Bureau of Ground Water Quality Management (BGWQM) will issue a draft NJDES/Discharge to Ground Water permit which will require the installation of ground water monitoring wells and post closure ground water monitoring even if the soil is not contaminated.

If you need further information concerning the ground water monitoring requirements of BGWQM, please contact Mr. David Mooney at (609) 292-0424.

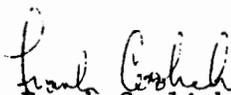
8. The facility should notify the following Bureaus at least two (2) weeks prior to initiation of tank removal and/or soil sampling activities so that a representative from each Bureau may be present.
  - a. Bureau of Environmental Measurements and Quality Assurances  
401 E. State Street  
CN 028  
Trenton, N.J. 08625  
(609) 984-1693

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- b. Bureau of Ground Water Quality Management  
Division of Water Resources  
401 E. State Street  
CN 028  
Trenton, N.J. 08625  
(609) 292-0424
  
- c. Bureau of Hazardous Waste Management  
Division of Hazardous Waste Engineering  
401 E. State Street  
CN 028  
Trenton, N.J. 08625  
(609) 292-9880

If you have any questions regarding this letter feel free to contact Sunila Agrawal of this Bureau at (609) 633-0723.

Very truly yours,



Frank Coolick, Acting Assistant Director  
Hazardous Waste Regulation

EP61/sg

Enc.

c: Lori Amato, USEPA  
Bob Soboleski, DHSM