



State of North Carolina  
Department of Environment, Health, and Natural Resources

Wilmington Regional Office

James B. Hunt, Jr., Governor  
Jonathan B. Howes, Secretary

DIVISION OF ENVIRONMENTAL MANAGEMENT  
Groundwater Section

Bob Jamieson  
Regional Manager

March 30, 1995

**CERTIFIED MAIL Z 275 499 126  
RETURN RECEIPT REQUESTED**

Mr. Robert L. Warren  
Assistant Chief of Staff  
Environmental Management  
United States Marine Corps  
Marine Corps Base  
PSC Box 20004  
Camp Lejeune, North Carolina 28542-0004

Post-it Fax Note 7671		Date 4-6-95	# of pages 2
To Mark Spangler	From Steven Bondy		
Co./Dept.	Co. per Charlie Stehman		
Phone #	Phone # 910-395-3900		
Fax 910-457-5997	Fax # 350-2004		

Subject: Review of Tank Closure Reports  
United States Marine Corps Base  
Camp Lejeune  
Onslow County

Dear Mr. Warren:

The Division of Environmental Management has reviewed several site assessment reports submitted to the office by the Marine Corps for various on base sites. These site assessment reports consisted of a three well site check and tank closure sites to determine if any groundwater impacts had occurred. The Division of Environmental Management offers the following:

**Building AS-118:** The second tank closure at this site, (a 550 steel tank adjacent to the building) will require immediate action. No soil samples were taken during excavation. A tank pit water sample showed contamination. While none of the wells showed groundwater violations, these wells were located upgradient from the tank pit. In addition, the consultant was unsure if the excavated material had been removed or used as backfill. The Division requests that further investigation be completed at this site.

**Building BB-71:** This site contained a 500 gallon UST used for waste oil. The soil taken from the excavation was contaminated. The Division feels that the well locations at this site may no be effective in determining significant downgradient contamination and that additional wells are necessary. In addition, the consultant is unsure of the destination of the soil from the excavation. Further investigation is necessary at this site.

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Building AS-849: This site requires immediate action. The tank removed was a 550 diesel tank. Water in the excavation showed free product. The well locations do not sufficiently define any possible contamination at this site. Further investigation, to include additional monitoring wells, is requested immediately.

Building 903: This tank closure will require additional work. A composite sample from the site showed some contamination. Again the consultant is unsure of the soil destination. The soil may have been used for backfill at the site. The site may need to be re-excavated.

Building AS-843: This 550 gallon tank site for diesel storage will require immediate action. Water and soil samples from wells near the pit area were clean, however, a water sample no submitted for analysis contained free product on the surface. Due to this free product, immediate, further investigation is necessary. This site may require additional wells to fully determine the extent of the problem on site.

Building AS-804: This tank site also contained free product on the water sample taken from the excavation pit. It appeared that only one well was located downgradient from the tank pit. There may not be sufficient information to determine the extent of the problem at this site. Again, the Division recommends immediate action for this site.

USTS 1607-1 and 1607-2: These two tank pulls are considered to be low priority sites, however, these sites will require some additional work. The site had some soil contamination, but the wells did not show groundwater contamination. Soil venting may be a suitable option for this location.

Building FC-120: This was a 1,000 gallon tank used for waste oil storage. The investigation showed oil and grease soil contamination on two unidentified boring locations. While three wells were installed in close proximity, only one well was located downgradient. The Division recommends further investigation at this site.

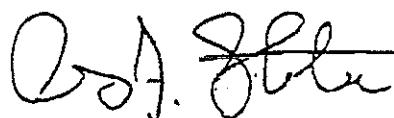
After review of the three well site checks, the following tanks pull sites require no further action:

Building AS-118 (the first tank located near Bancroft road), Building FC-201, UST 61, site AS-3504, UST FC-102, UST BA-130/SBA-131, and UST AS-4146-3.

Please begin to address the sites of immediate concern. The submittal of a comprehensive site assessment and corrective action plan are required in accordance with 15A NCAC 2L .0106.

Should you have any questions, please contact Diane Rossi at (910) 395-3900.

Sincerely,



Charles F. Stehman, Ph. D.  
Environmental Supervisor I

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