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LETTER DISCUSSING FREE PRODUCT RECOVERY DURING SAMPLING AT CHICORA
TANK FARM CNC CHARLESTON SC
5/22/2001
NAVFAC SOUTHERN



DEPARTMENT OF THE NAVY

SOUTHERN DIVISION

NAVAL FACILITIES ENGINEERING COMMAND

P.O. BOX 190010

2155 EAGLE DRIVE

NORTH CHARLESTON, S.C. 29419-9010

Code 1849

22 May 2001

SCDHEC

Groundwater Quality Section

Bureau of Water

Attn: Mr. Paul Bristol

2600 Bull Street

Columbia, SC 29201

Subj: FREE PRODUCT DISCOVERY DURING SAMPLING AT CHICORA TANK FARM (Site ID # 13350)

Dear Mr. Bishop:

During groundwater sampling at the Chicora Tank Farm on May 7, 2001, free product was discovered in wells MW-7 and MW-13. The sampling event was done to demonstrate the groundwater environment's capacity to provide for intrinsic remediation as the rehabilitation strategy.

MW-7 is located along the supply header piping adjacent to former Tank 3906-M. This area was over-excavated and free product removed from the pit during the cleaning and closure of Tank M. The excavated soil and free product was disposed of off-site. MW-7 is considered to be the source well for the contaminated area around Tank M. Due to the viscosity of the free product, the Navy was unable to measure the product's thickness at that time. MW-12D, the adjacent deep well has no free product.

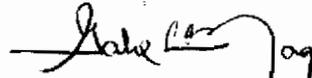
MW-13 is located along the sludge oil pipeline that connects Tank 3906-O to the sludge line header piping. This area was over-excavated and free product removed from the pit during the cleaning and closure of Tank O. The excavated soil and free product was disposed of off-site. MW-13 is considered to be the source well for the contaminated area around Tank O. Due to the viscosity of the free product, the Navy was unable to measure the product's thickness at that time. The adjacent deep well, MW-18D, has no product.

After the analytical results have been received and evaluated, an active CAP will be developed to remediate the contamination. The Navy is currently seeking FY 01 funds to address the free product, and will seek FY 02 funding to address the findings of the CAP.

The Navy's initial plan is to use a vacuum truck to periodically extract free product and vapors from wells MW-7 and MW-13.

If you have any questions or concerns, please contact me at (843) 820-7307 or by Email at magwoodgl@efdsouth.navfac.navy.mil.

Sincerely,

A handwritten signature in black ink, appearing to read "Gabriel L. Magwood". The signature is fluid and cursive, with a large initial "G" and "M".

GABRIEL L. MAGWOOD
Environmental Engineer
Petroleum Branch

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Daily
Code 18B1 (Tony Hunt)
Code 18713 (Robert Harrell)

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