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LETTER REGARDING SOUTH CAROLINA DEPARTMENT OF HEALTH AND
ENVIRONMENTAL CONTROL REVIEW OF ASSESSMENT PLAN SAMPLING AND
ANALYSIS PLAN DATED 21 APRIL 1998 AND MONITORING WELL INSTALLATION
APPROVAL FOR QUARTERS B HOUSING CNC CHARLESTON SC

06/09/1998

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL



June 9, 1998

2600 Bull Street
Columbia, SC 29201-1708

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Mr. Gabriel L. Magwood
Southern Division NFEC
P.O. Box 190010
2155 Eagle Drive
North Charleston, South Carolina 29419-9010

Re: Assessment Plan/Sampling and Analysis Plan dated April 21, 1998
Quarters "B" Housing (Site Identification # 00941)
Charleston Naval Complex/Charleston Naval Base
Charleston, SC
Charleston County

Dear Mr. Magwood:

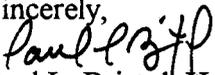
The author has completed technical review of the referenced document. As submitted, the plans provide for additional investigative endeavors to determine the extent and severity of contamination, if any, associated with a suspected release from the referenced vessels. It is recognized that the initial tasks (i.e., soil borings, piezometers/temporary monitoring wells, etc.) are "generically" designed to allow for field modifications, as necessary. Based on the foregoing review, the proposals to perform soil borings/surface sampling, piezometer/temporary monitoring well installation and appropriate sampling are approved for implementation. The facility is encouraged to employ appropriate consideration to previous sample results and the potential behavioral characteristics of the known contaminants in the environmental media investigated in placement of sampling points. As proposed, installation and sampling of monitoring points should proceed in a progressive/sequential manner to potentially minimize extraneous sampling points beyond probable areas of impact. The facility may use professional judgement to install additional sampling points (soil borings, piezometer/temporary monitoring wells, etc.) to define the extent and severity of contamination, as appropriate. With regard to temporary wells, in the presence of free phase petroleum product or significant dissolved phase contamination, the facility may convert temporary monitoring wells to permanent wells at the time of installation.

Please find enclosed monitoring well approval (# 0188) for the proposed temporary monitoring well(s). Abandonment of all intrusive sampling points will be in accordance with the technical specifications and descriptions provided and/or referenced in the submittal or as approved by the Department.

Charleston Naval Complex/Charleston Naval Base
June 9, 1998
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Should you have any questions, please contact me at (803) 734-5328.

Sincerely,


Paul L. Bristol, Hydrogeologist
Groundwater Quality Section
Bureau of Water

enc: monitoring well approval # 0188
cc: Trident District EQC



Date of Issue: June 9, 1998
Approval No: 0188

2600 Bull Street
Columbia, SC 29201-1708

Monitoring Well Installation Approval

COMMISSIONER:
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Approval is hereby granted to: Charelston Naval Complex/Charelston Naval Base
(on behalf of): Quarters "B" Housing
Site ID#: 00941
County: Charleston

This approval is for the construction of one (1) temporary groundwater monitoring point(s) designated (no designation) in accordance with the construction plans and technical specifications submitted to the Department on April 23, 1998. The temporary monitoring point(s) are to be constructed within the surficial aquifer for the intended purpose of monitoring groundwater quality and/or water level(s) at the referenced facility. Approval is provided with the following conditions:

1. The surveyed elevations, boring and/or geologist logs and actual (as built) construction details for each well be submitted to within thirty (30) days of completion (of last well(s) installed). (to be submitted with Assessment Report)
2. Well construction and sampling derived waste including, but not necessarily limited to, drill cuttings, drilling fluids, development and purge water should be managed properly and in compliance with applicable requirements. If containerized, each vessel should be clearly labeled with regard to contents, source, and date of activity.
3. A minimum of forty-eight (48) hours prior to initiation of drilling activities, please provide notice to Trident District EQC Office (803-740-1590).
4. Please provide groundwater quality analytical data (chemical analyses and/or water level(s)) and associated measurements (i.e., field measurements) to Paul L. Bristol within thirty (30) days of receipt from laboratory. (to be submitted with Assessment Report)
5. Monitoring wells shall be installed by a well driller certified by the State of South Carolina.
6. Each well shall be labeled with an identification plate constructed of a durable material affixed to the casing or surface pad where it is readily visible. The plate shall provide monitoring well I.D.#, date of construction, static water level, and driller name and state certification number. (for permanent wells, only)

This approval is pursuant to the provisions of Section 44-55-40 of the 1976 South Carolina Code of Laws and the Department of Health and Environmental Control Regulations R.61-71.

Approved by: Paul L. Bristol

Paul L. Bristol, P.G.
Groundwater Quality Section
Bureau of Water

cc: Trident District EQC