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LETTER REGARDING SOUTH CAROLINA DEPARTMENT OF HEALTH AND
ENVIRONMENTAL CONTROL COMMENTS ON THE REQUEST FOR MONITORING WELL
INSTALLATION APPROVAL CNC CHARLESTON SC

9/22/1993

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL



Commissioner: Douglas E. Bryant

Board: Richard E. Jabbour, DDS, Chairman
Robert J. Stripling, Jr., Vice Chairman
Sandra J. Molander, Secretary

William E. Applegate, III.
John H. Burriess
Tony Graham, Jr., MD
John B. Pate, MD

Promoting Health, Protecting the Environment

CERTIFIED MAIL

September 22, 1993

Mr. Ron Dewitt, Director
Occupational Safety, Health, and
Environmental Office
Code 106
Charleston Naval Shipyard
Charleston, South Carolina 29408-6100

RECEIVED

SEP 23 1993

Groundwater Protection
Division

File
CNB-
GENERAL

RE: Charleston Naval Shipyard (CNAV)
SC0 170 022 560
Charleston County

Request for Monitoring Well Installation Approval (Haverkost to Bowers, 5/6/93) and
Facsimile Transmission (Haverkost to Bowers, 9/17/93)

Dear Mr. Dewitt:

The above referenced requests for monitoring well installation approval have been reviewed with respect to R.61-79.264 Subpart F of the South Carolina Hazardous Waste Management Regulations, the South Carolina Well Standards and Regulations (R.61-71), conditions of Hazardous Waste Permit SC0 170 022 560 and appropriate guidance documents. The referenced documents request approval from the Department to install a total of 42 monitoring wells to investigate the potential for groundwater contamination at Solid Waste Management Units (SWMUs) 1, 2, 6, 7, 8, 9, 20, 21, 22, and 25. This work is being completed under the RCRA Facility Investigation Workplan, which is currently under revision.

Several comments were generated during this review regarding monitoring well installation procedures. These issues were discussed during a telephone conversation with Mr. Todd Haverkost (consultant for CNAV) on September 21, 1993. These items are outlined below.

1. All of the proposed monitoring wells will have screen sections which straddle the water table. While this may be adequate initially for monitoring well installation, it is likely that installation of deeper monitoring wells will be necessary to determine the vertical extent of any groundwater contamination that is detected. Mr. Haverkost agreed with this comment.

Mr. Haverkost understood and agreed with each of the above comments. Since installation of these monitoring wells is scheduled to begin this week, it was agreed that these comments would be taken into account during construction of all proposed monitoring wells.

A Monitoring Well Approval Form is attached to this correspondence. Please note the other conditions of approval included on this form. Should you have any questions regarding the attached well approval form, you may contact me at (803) 734-5484.

Respectfully,



Joe B. Bowers, Hydrogeologist
Hazardous Waste Section
Division of Hydrogeology
Bureau of Solid and Hazardous Waste Management

cc: Christine Sanford-Coker, Trident District Office
David Walton, Hazardous Waste Permitting Section
Tim Mettlen, Ground Water Protection Division

Attachment

4. Please provide groundwater quality analytical data, water level(s), and associated measurements (i.e., in-situ field measurements) to the Hazardous Waste Section within thirty (30) days of receipt from laboratory.

5. Monitoring wells shall be installed by a well driller certified by the State of South Carolina.

This approval is pursuant to the provisions of Section 4-5540 of the 1976 South Carolina Code of Laws and the Department of Health and Environmental Control Regulations R.61-71.

Approved by: Joe B Bowers

Joe B. Bowers, Hydrogeologist
Hazardous Waste Section
Division of Hydrogeology
Bureau of Solid and Hazardous
Waste Management

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