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MONITORING WELL REQUEST ZONE I GRID 11 BUILDING 28 CNC CHARLESTON  
5/17/2002  
SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

17 May 2002

CERTIFIED MAIL

Ms. Amy Daniell  
Caretakers Site Office  
1895 Avenue F  
Charleston Naval Base  
North Charleston, SC 29405

RE: Naval Base Charleston (CNAV)  
Charleston, South Carolina  
SC0-170-022-560

Monitoring Well Request  
Zone I, Grid Well 11, Building 28  
Revision 0, Dated 16 May 2002, Received 16 May 2002

Dear Ms. Daniell:

The above referenced request has been reviewed with respect to R.61-79.265 Subpart F of the South Carolina Hazardous Waste Management Regulations and R.61-71 of the South Carolina Well Standards and Regulations. This request is for the installation of five temporary DPT monitoring wells to assess the surficial aquifer as described in the Interim Measures Workplan of 16 May 2002. The DPT well data is intended to support conveyance of Building 28 in the Phase II FOST. A decision to convey would imply a No Further Action on the groundwater based upon DPT well data and DPT data is not reproducible. The Department recommends the Navy install at least two permanent monitoring wells in place of or in addition to the proposed DPT temporary wells. The attached well approval has been written to allow permanent monitoring wells and/or temporary DPT wells. This allowance is possible because the Department is familiar with both forms of Navy well installation procedures. The monitoring wells should be completed to a maximum depth of approximately fifteen feet.

Attached, please find a copy of the proposed well locations. A copy of the well approval form and this letter should be on site during drilling operations. Additional assessment may be required at this well location. Should there be any questions, please contact me at 803.896.4016 or by e-mail at [bergstpm@dhec.state.sc.us](mailto:bergstpm@dhec.state.sc.us).

Daniell  
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Respectfully,

Paul M. Bergstrand, P.G. Hydrogeologist  
RCRA Hydrogeology Section  
Division of Hydrogeology  
Bureau of Land and Waste Management

Enclosures  
HW-02-054

CC:  
Christine Sanford-Coker, Trident District EQC  
Jerry Stamps, BLWM  
Michael Bishop, BOW  
Todd Adams, BOW  
Joel Padgett, BLWM  
Rob Harrell, P.E., Southern Division, Charleston  
Tom Beisel, CH2M Hill, 115 Perimeter Center Place NE, Suite 700, Atlanta GA 30346-1278

## Well Installation Approval

Approval is hereby granted to: Ms. Daniell of the Naval Base Charleston for

Monitoring Wells at Grid Well 11, Zone I, Building 28  
Naval Base Charleston , Charleston County

Date of Issue: 17 May 2002  
Approval Number: HW-02-054

for the construction of five DPT and two permanent monitoring wells designated in accordance with the construction plans and specifications submitted to the Department on 16 May 2002, (Beisel to Bergstrand) and as discussed on the telephone with Mr. Tom Beisel on 17 May 2002 . The wells will be constructed within the surficial aquifer to a maximum depth fifteen feet below the surface to monitor aquifer conditions.

### Conditions:

1. A driller certified to operate in the State of South Carolina must install the wells.
2. **The monitoring well record (R.61-71.11 E.2) shall be submitted to the Department within 30 days after installation of the last well. The record should include latitude and longitude, surveyed elevations, geologist logs, and actual construction details for each well. The collection of GPS data is encouraged.**
3. All well construction and sampling derived wastes, including but not limited to, drill cuttings and fluids, development and purge water, must be managed properly and in accordance with all applicable state and federal requirements. If containerized, each vessel shall be clearly labeled with regard to contents, source, and date of activity.
4. The permanent wells are labeled with an identification plate (R.61-71.6 H) constructed of a durable material affixed to the casing or surface pad where it is readily visible. The plate shall provide the monitoring well identification number, date of construction, static water level and driller name and state certification number.
5. That requirements R.61-71.11.C(1-7) for completing temporary wells as permanent monitoring wells are waived if the DPT Temporary wells are installed.
6. That all temporary sampling points will be abandoned as outlined in R.61-71.10.
7. Field equipment, including sampling probes, must be decontaminated by steam cleaning or other suitable methods before use and between sampling locations. Well screens and casing must be decontaminated before installation.
8. That notice be given to Christine Sanford-Coker, Charleston District EOC Hydrogeologist, during normal business hours at (843) 740-1590 a minimum of 48 hours before the initiation of drilling activities.

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 Well Standards and Regulations, R.61-71.

Paul M. Bergstrand, P.G. Hydrogeologist  
RCRA Hydrogeology Section  
Division of Hydrogeology  
Bureau of Land and Waste Management  
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