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LETTER TRANSMITTING MONITORING WELL APPROVAL FORM IN RESPONSE TO
REQUEST DATED 15 FEBRUARY 1999 CNC CHARLESTON SC
2/23/1999
SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL



2600 Bull Street
Columbia, SC 29201-1708

23 February 1999

CERTIFIED MAIL

Mr. H.N. Shepard II, P.E.
Caretakers Site Office
Naval Facilities Engineering Command, Southern Division
1690 Turnbull Avenue, Building NH-51
Charleston Naval Base
Charleston, SC 29405

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

Monitoring Well Request for Zone C
Site AOC 700
Revision 0 Dated 15 February 1999

Dear Mr. Shepard:

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 one shallow monitoring well at AOC 700 to assess aquifer conditions of the surficial aquifer. The monitoring well for AOC 700 are anticipated to be completed to a maximum depth of twenty five feet.

Attached, please find a Monitoring Well Approval Form and a copy of the proposed well locations. A copy of this monitor well approval form should be on site during drilling operations. Additional assessment may be required at these sites. Should there be any questions, please contact me at (803) 896-4016.

Respectfully,

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

Enclosures
PMB/prmb
MWA-HW-99-021

CC: Christine Sanford-Coker, Trident District EQC
Johnny Tapia, Hazardous Waste Permitting Section
David Dodds, Southern Division, Charleston
Todd Haverkost, EnSafe, Mount Pleasant, SC 29464

DD990110.MWA

2903-14000 ✓

Post-it® Fax Note 7671		Date 23 Feb	# of pages 3
To TODD HAVERKOST		From Paul Bergstrand	
Co./Dept.		Co.	
Phone #		Phone # 803 896 4016	
Fax #		Fax #	



2600 Bull Street
Columbia, SC 29201-1708

Monitoring Well Installation Approval

Approval is hereby granted to: Mr. H.N. Shepard II, P.E. of Naval Base Charleston for

Zone C, AOC 700
Naval Base Charleston
Charleston County

for the construction of one monitoring well designated in accordance with the construction plans and specifications submitted to the Department on 19 February 1999 (Bayley to Bergstrand). The well will be constructed within the surficial aquifer to the maximum depth of 25 feet below the surface for the purpose of monitoring aquifer conditions.

Conditions:

1. A driller certified to operate in the State of South Carolina must install the wells.
2. That the latitude and longitude, surveyed elevations, boring and/or geologist logs, and actual (as built) construction details for each monitoring wells be submitted to the Department within 30 days after installation of the last well.
3. All monitoring wells must be properly developed until clear, sediment-free water samples are obtained. Specific Conductance, temperature, turbidity, and pH measurements should be taken during development. A log recording the values of these parameters should be maintained during development of the wells. This log should be submitted along with the "as-built" construction details required by Condition 2 above.
4. 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.
5. That each well 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 identification number, date of construction, static water level, and driller name and state certification number.
6. That notice be given to Christine Sanford-Coker, Charleston District EOC Hydrogeologist, during normal business hours at (803) 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.

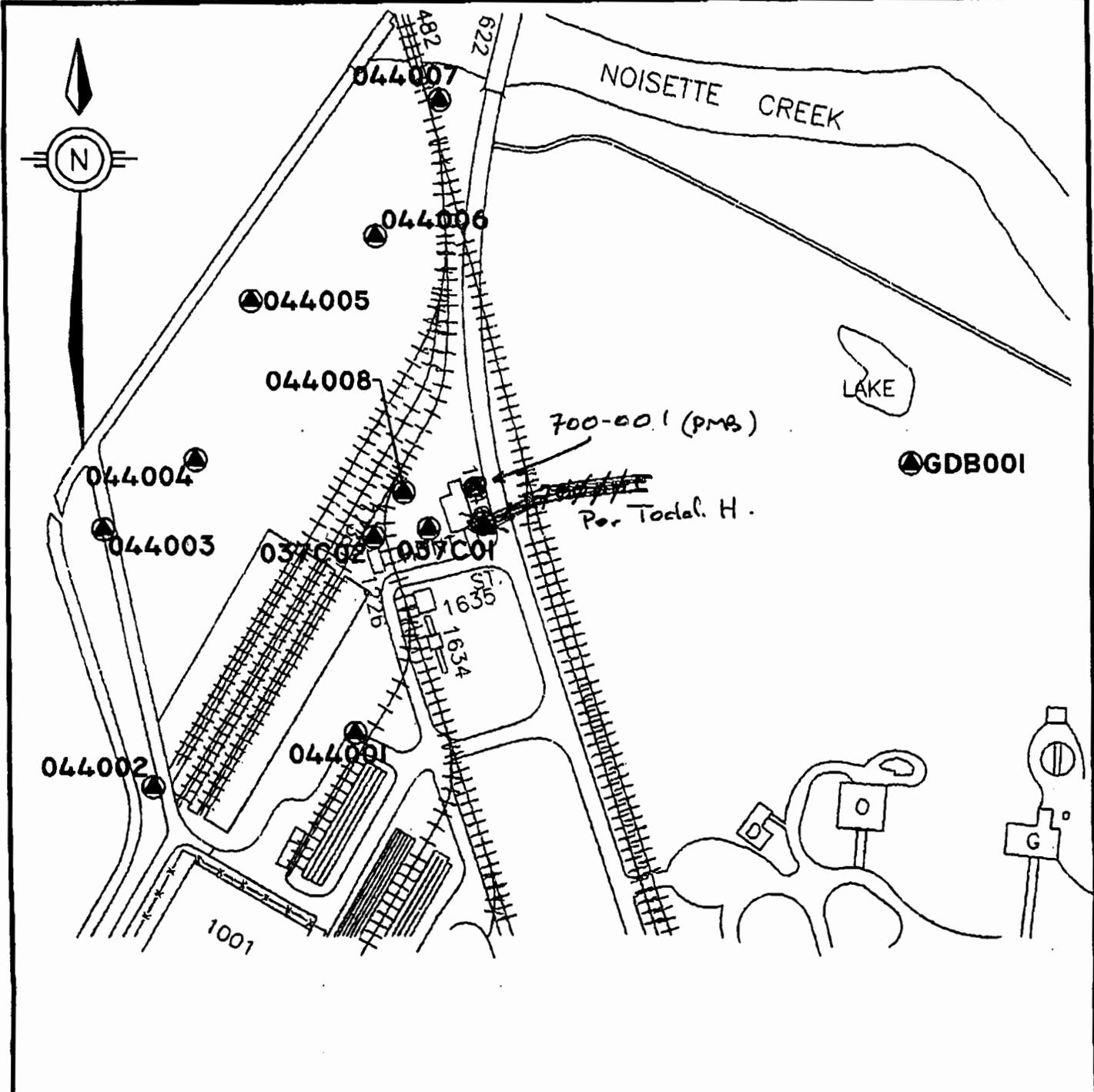
Date of Issue: 23 February 1999

Approval Number: HW-99-021

Paul M. Bergstrand, P.E., Hydrologist
Hazardous Waste Section
Division of Hydrogeology
Bureau of Land and Waste Management

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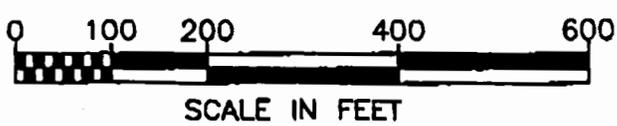
SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL



GDC002



ZONE C
 CORRECTIVE MEASURES
 STUDY (CMS) WORKPLAN
 NAVAL BASE CHARLESTON
 CHARLESTON, SC



Proposed AOC 700
 WELL LOCATION
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