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LETTER TRANSMITTING WELL APPROVAL FORM FOR REQUEST DATED 11 APRIL 1997
FOR ZONE E CNC CHARLESTON SC
4/15/1997
SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL



Commissioner: Douglas E. Bryant

Board: John H. Burriss, Chairman
William M. Hull, Jr., MD, Vice Chairman
Roger Leaks, Jr., Secretary

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Promoting Health, Protecting the Environment

15 April 1997

CERTIFIED MAIL

Commander Paul Rose
Officer In Charge, Caretakers Site Office
Naval Facilities Engineering Command, Southern Division
Building NH-45
Charleston Naval Base
Charleston, SC 29408-2020

APR 8

RE: Zone E Monitoring Well Request, Dated 11 April 1997 (Kafka to Bergstrand)
Naval Base Charleston
Charleston County
SC0-170-022-560

Dear Commander Rose :

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 three temporary piezometer monitoring wells to assess groundwater drawdown during a pumping test. The piezometers are anticipated to be completed to approximately 10 feet. The piezometers will be abandoned per regulations subsequent to the completion of the pumping test.

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. Please note, the request to waive the requirement that a South Carolina Certified Well Driller install the wells cannot be approved. Should there be any questions, please contact me at 803-896-4016.

Respectfully,

Paul M. Bergstrand, Hydrogeologist
Hazardous Waste Section
Division of Hydrogeology
Bureau of Solid and Hazardous Waste

Enclosures; Map, HW-97-0036

CC: Christine Sanford-Coker, Trident District EQC
Johnny Tapia, Hazardous Waste Permitting Section
Jay Bassett, USEPA Region IV
Tony Hunt, Southern Division
Todd Haverkost, EnSafe, 935 Houston Northcutt Blvd., Mt. Pleasant, SC 29464

Monitoring Well Installation Approval

Approval is hereby granted to Commander Paul Rose:

Zone E, SWMU 70, piezometers per enclosed Map
Charleston Naval Shipyard/Base
Charleston County
RCRA Permit # SC0-170-022-560

for the construction of up to three piezometer monitoring wells designated in accordance with the construction plans and specifications submitted to the Department on 14 April 1997 (Kafka to Bergstrand).

The wells will be constructed within the surficial aquifer to the approximate depth of 10 feet below the surface and screened for the purpose of monitoring aquifer conditions during a pump test.

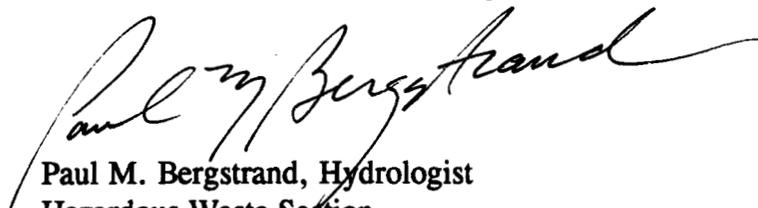
Conditions:

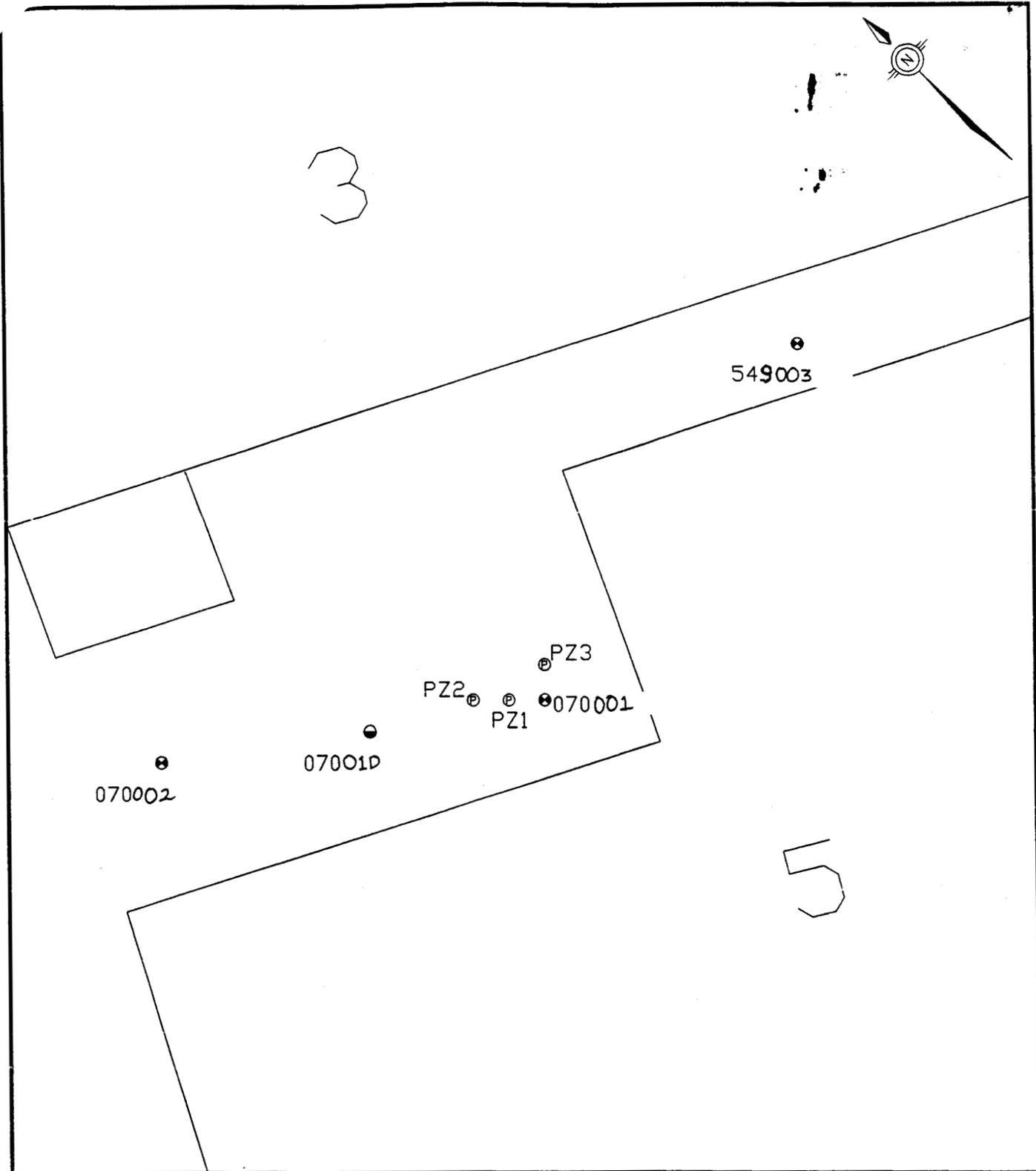
1. A driller certified to operate in the State of South Carolina must install the monitoring wells.
2. The driller's certification number, the latitude and longitude and the actual construction details for each well be submitted with the report of the pumping test.
3. All drill cuttings from the boreholes and purge water from well development must be contained. The containerized materials must be disposed of properly.
4. Contact Christine Sanford-Coker, Trident District EQC Hydrogeologist, during normal business hours at (803) 740-1590 at least 48 hours before installation of the wells.

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: 15 April 1997

Approval Number: HW-97-0036


Paul M. Bergstrand, Hydrologist
Hazardous Waste Section
Division of Hydrogeology
Bureau of Solid and Hazardous Waste



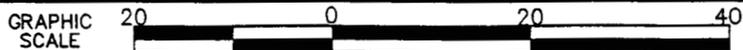
LEGEND

- ⊕ - PROPOSED PIEZOMETER
- - EXISTING DEEP MONITORING WELLS
- ▲ - EXISTING SHALLOW MONITORING WELLS



ZONE E
 NAVAL BASE CHARLESTON
 CHARLESTON, S.C.

PROPOSED PIEZOMETER
 LOCATIONS FOR
 SWMU 70



DWG DATE: 4/11/97

DWG NAME: SWMU70PZ