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CNC CHARLESTON
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LETTER TRANSMITTING MONITORING WELL APPROVAL FORM IN RESPONSE TO
REQUEST ZONE C AREAS OF CONCERN 508, 511 AND 512 CNC CHARLESTON SC
7/18/1997
SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL



2903-08420

2600 Bull Street
Columbia, SC 29201-1708

18 July 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

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

Monitoring Well Request for Zone C
Sites AOC 508, 511 and 512
Revision 0 Dated 17 July 1997

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 four monitoring wells to assess potential contamination of the surficial aquifer. The monitoring wells are anticipated to be completed to approximately fifteen 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 well locations. 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 Land and Waste Management

Enclosures
PMB/pmb
MWA-HW-97-0066

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

DD970727.MWA



2600 Bull Street
Columbia, SC 29201-1708

Monitoring Well Installation Approval

Approval is hereby granted to: Commander Rose of Naval Base Charleston for

Zone C, AOCs 508, 511 and 512
Naval Base Charleston
Charleston County

for the construction of monitoring wells designated in accordance with the construction plans and specifications submitted to the Department on 17 July 1997 (Vernoy to Bergstrand). The wells will be constructed within the surficial aquifer to the approximate depth of fifteen feet below the surface and screened for the purpose of monitoring aquifer conditions.

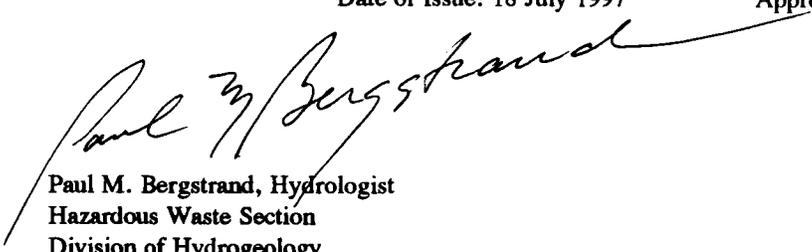
Conditions:

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 EQC 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.

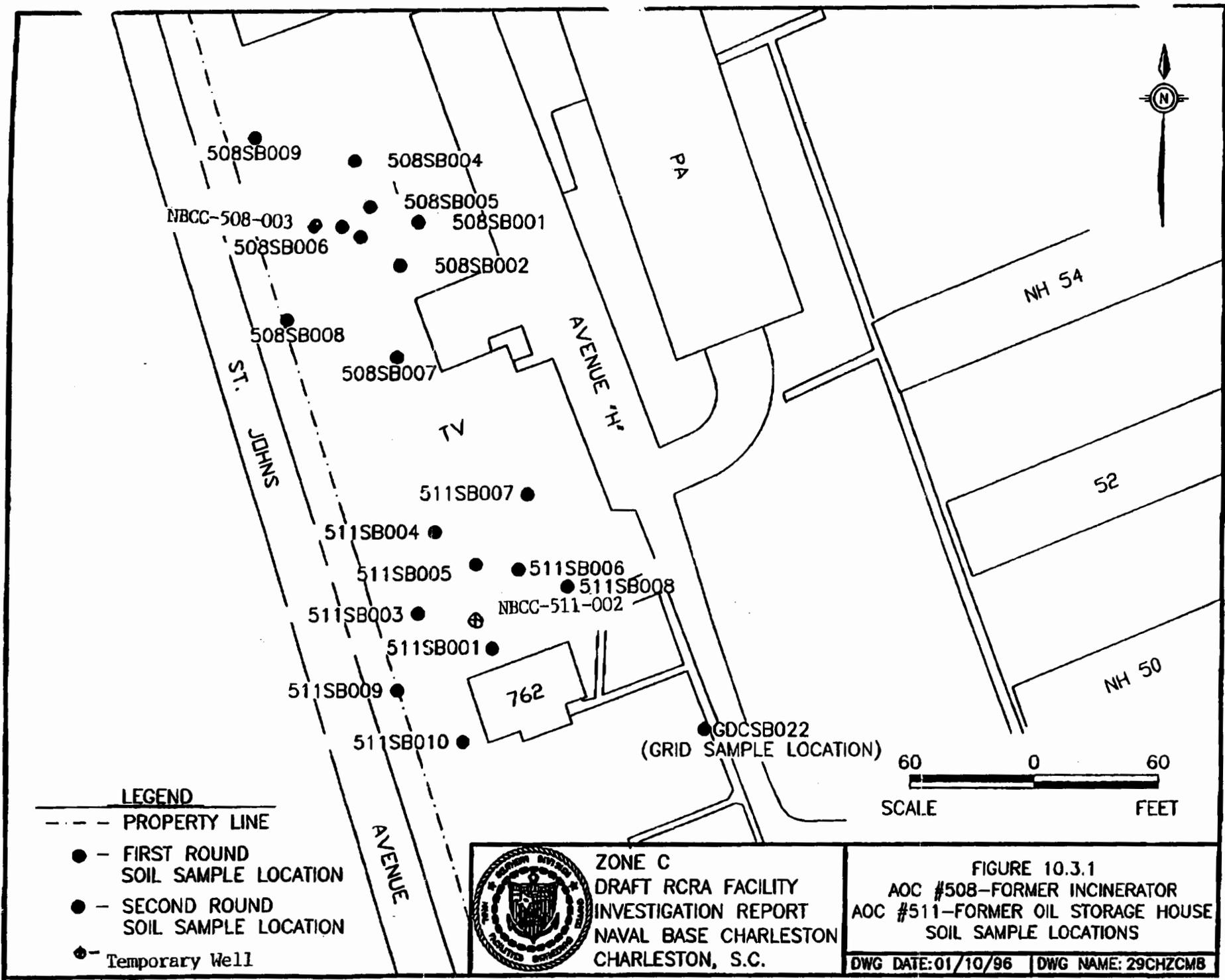
Date of Issue: 18 July 1997

Approval Number: HW-97-0066


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

DD970727.MWA

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL



- LEGEND**
- - - PROPERTY LINE
 - - FIRST ROUND SOIL SAMPLE LOCATION
 - - SECOND ROUND SOIL SAMPLE LOCATION
 - ⊕ Temporary Well



ZONE C
 DRAFT RCRA FACILITY
 INVESTIGATION REPORT
 NAVAL BASE CHARLESTON
 CHARLESTON, S.C.

FIGURE 10.3.1
 AOC #508-FORMER INCINERATOR
 AOC #511-FORMER OIL STORAGE HOUSE
 SOIL SAMPLE LOCATIONS

DWG DATE: 01/10/96 | DWG NAME: 29CHZCMB



512SB007 ●

NBCC-512-002 ●
512SB006 ● ● 512SB001

NBCC-512-003 ⊕

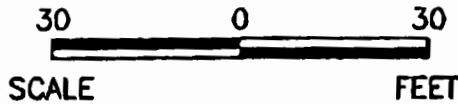
● 512SB004
● 512SB005

● 512SB008

● 512SB009

LEGEND

- - FIRST ROUND SOIL SAMPLE LOCATION
- - SECOND ROUND SOIL SAMPLE LOCATION
- ⊕ - Temporary Well



ZONE C
DRAFT RCRA FACILITY
INVESTIGATION REPORT
NAVAL BASE CHARLESTON
CHARLESTON, S.C.

FIGURE 10.6.2.1
AOC #512-FORMER INCINERATOR
SOIL SAMPLE LOCATIONS

DWG DATE: 01/10/96

DWG NAME: 29CHZCM9