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CNC CHARLESTON
5090.3a

MONITORING WELL REQUEST FOR AREAS OF CONCERN 569, 570 AND 578 (AOC 569,
570 AND 578) ZONE E CNC CHARLESTON SC
2/14/2002
SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL



2600 Bull Street
Columbia, SC 29201-1708

14 February 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 E, AOCs 569/570/578
Revision 0, Dated 3 February 2002, Received 5 February 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 four permanent monitoring wells to monitor the surficial aquifer. The permanent monitoring wells should be completed to a maximum depth of approximately thirty feet.

The associated workplan for this site has not been received or reviewed by the State. The monitoring well approval is not to be considered as concurrence or approval of the associated workplan. Additional assessment may be necessary.

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.

Respectfully,


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

Daniell
Monitoring Well Approval
14 February 2002

Enclosures
HW-02-014

CC: Christine Sanford-Coker, Trident District EQC
Michael Bishop, BOW
Todd Adams, BOW
Joel Padget, BLWM
David Scaturo, P.E., P.G., Manager Hazardous Waste Permitting Section
Rob Harrell, P.E., Southern Division, Charleston
Tom Beisel, CH2M Hill, 115 Perimeter Center Place NE., Suite 700, Atlanta GA 30346-1278
Dean Williamson, CH2M Hill, 3011 S.W. Williston Road, Gainesville, FL 32608-3928



2600 Bull Street
Columbia, SC 29201-1708

Well Installation Approval

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

Monitoring Wells at AOCs 569/570/578
Naval Base Charleston
Charleston County

Date of Issue: 14 February 2002
Approval Number: HW-02-014

for the construction of permanent monitoring wells designated in accordance with the construction plans and specifications submitted to the Department on 3 February 2002, (Beisel to Bergstrand). The wells will be constructed within the surficial aquifer to a maximum depth Thirty 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. That the latitude and longitude, surveyed elevations, boring and/or geologist logs, and actual construction details for each well be submitted to the Department within 30 days after installation of the last 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. That the wells are 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 the monitoring well identification number, date of construction, static water level and driller name and state certification number.
5. 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.
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.

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

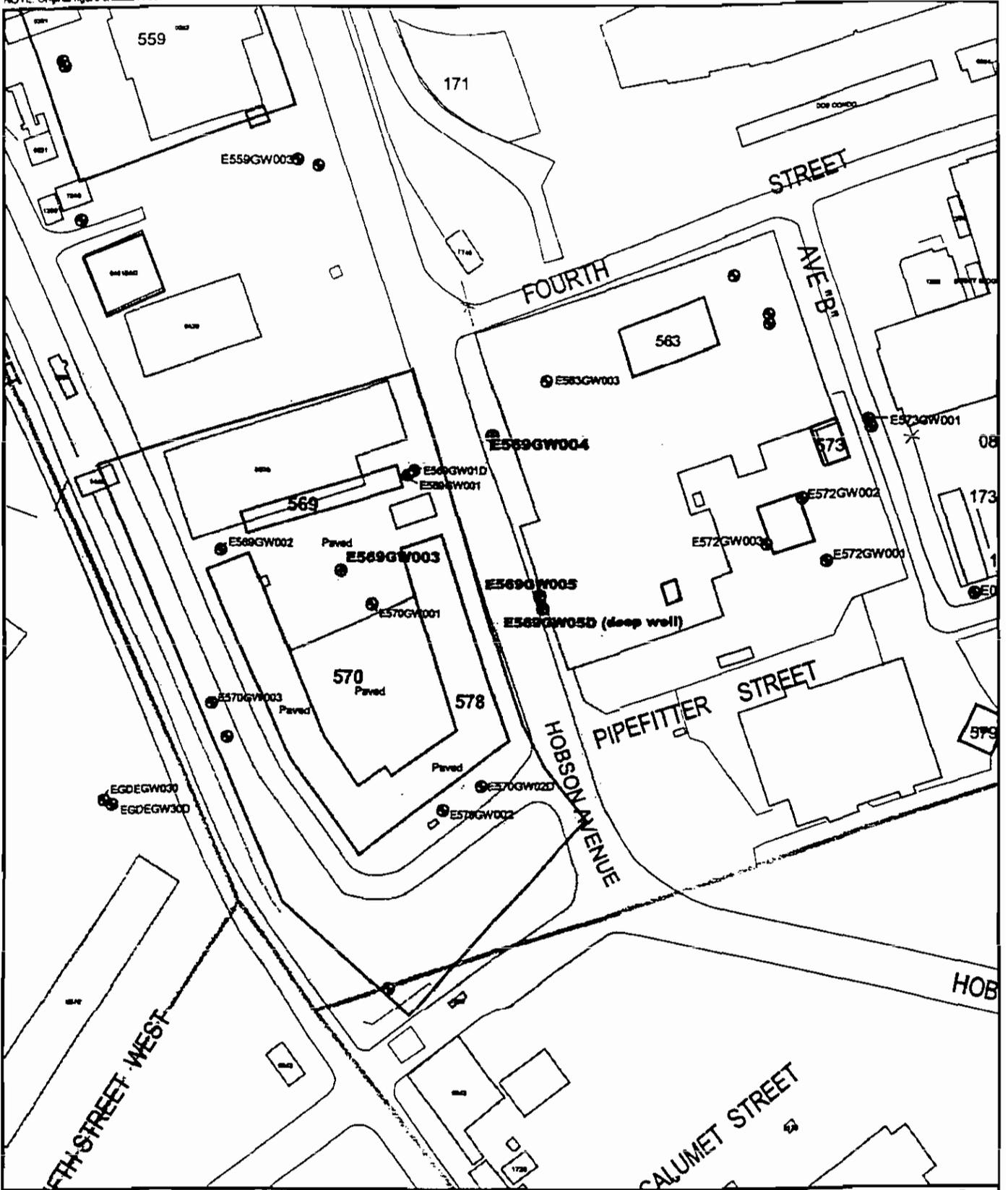
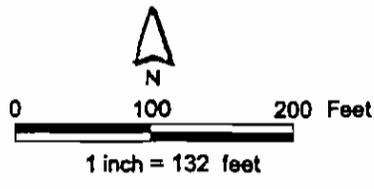


Figure 1

Proposed New Monitor Well Locations
AOCs 569/570/578
Charleston Naval Complex

- Proposed Monitor Well Location
- ⊙ Existing Monitor Well Location
- Roads - Lines
- ▭ AOC Boundary
- ▭ Buildings
- - - SWMU Boundary
- ⋯ Zone Boundary



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