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REGULATORY COMMITTEE RESPONSE TO SOUTH CAROLINA DEPARTMENT OF
HEALTH AND ENVIRONMENTAL CONTROL LETTER DISCUSSING GROUNDWATER
MONITORING WELLS ZONE K CNC CHARLESTON SC

7/21/2003
CH2M HILL

SWMU 163/166 ZoneK
Request for Monitoring Wells



CH2MHILL

CH2M HILL
115 Perimeter Center Place, NE
Suite 700
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July 21, 2003

158814.ZK.PR.07

Ms. Jo Cherie Overcash
Hydrogeologist
South Carolina Department of Health and Environmental Control
Bureau of Land & Waste Management
Division of Hydrogeology
8901 Farrow Road
Columbia, SC 29203

**Subject: Request for Installation of Groundwater Monitoring Wells, Naval Annex, Zone K
Charleston Naval Complex, North Charleston, South Carolina**

Dear Jo Cherie:

On behalf of the U.S. Navy Southern Division Naval Facilities Engineering Command, CH2M-Jones requests the installation of two deep groundwater monitoring wells in the southwestern portion of the Naval Annex. These proposed monitoring well locations, identified as KGDKGW03D and KGDKGW04D in Figure 4-3, will be used to evaluate potential offsite migration of chlorinated solvents near the southwest property boundary. Figure 4-3, which has been revised since its inclusion in the *RFI Report Addendum, SWMU 166, Zone K* (CH2M-Jones, 2002), depicts the characterization of trichloroethene in the deep portion of the surficial aquifer (i.e., less than 20 feet mean sea level).

Well installations will be performed in accordance with the South Carolina Well Standards and Regulations (R.61-71). The attached Table 1 presents detailed information required for monitoring well installation approval. CH2M-Jones has scheduled to commence installation of these new wells within 60 days of receipt of approval. Well installation activities are expected to last approximately 1 week.

If you have any questions, comments, or require additional information, please do not hesitate to contact me.

Tom Beisel, P.G.
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July 21, 2003

Sincerely,

CH2M HILL

A handwritten signature in black ink, appearing to read "Tom Beisel". The signature is fluid and cursive, with the first name "Tom" and last name "Beisel" clearly distinguishable.

Tom Beisel, P.G.
Project Geologist
(770) 604-9182 ext 367

enclosures

cc:

Tony Hunt, P.E./SOUTHDIV
Rob Harrell/SOUTHDIV
Gary Foster/CH2M-Jones/ATL
Dean Williamson, P.E./CH2M-Jones/GNV

TABLE 1

Monitoring Well Installation Information Summary
 SWMU 166, Zone K, Charleston Naval Complex

Well Identification	Well Diameter (Inner & Outer)	Method of Drilling	Screen Depth (ft bls)	Screen Length (ft)	Screen Mesh/Slot Size	Expected Total Depth of Well (ft bls)	Material of Well Construction	Analysis Parameters	Development (e.g., low flow, bailer, etc.)	Grout (Type, Mixture Ratio, etc.)	Finish Type	Purp s for Well	Other/Comments
KGDKGW03D	2-inch (inner)	Hollow Stem Auger	33-43	10	0.01	43.5	Schedule 40 PVC	VOCs	Low Flow Pump with surge block	Portland Type II with 5% Bentonite	Above-grades	Groundwater monitoring	
KGDKGW04D	2-inch (inner)	Hollow Stem Auger	33-43	10	0.01	43.5	Schedule 40 PVC	VOCs	Low Flow Pump with surge block	Portland Type II with 5% Bentonite	Above-grades	Groundwater monitoring	