

N61165.AR.003126  
CNC CHARLESTON  
5090.3a

LETTER REGARDING SOUTH CAROLINA DEPARTMENT OF HEALTH AND  
ENVIRONMENTAL CONTROL APPROVAL OF PERMIT REQUEST FOR SOIL BORINGS AND  
TEMPORARY MONITORING WELLS FOR THE SUPPLEMENTAL INVESTIGATION AT  
CHICORA TANK FARM CNC CHARLESTON SC

9/6/2013

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL



Catherine B. Templeton, Director

*Promoting and protecting the health of the public and the environment*

September 6, 2013

David Criswell, P.E.  
BRAC PMO SE  
4130 Faber Place Drive  
Suite 202  
N. Charleston, SC 29405

RE: Approval of *Permit Request for Soil Borings and Temporary Monitoring Wells Supplemental Investigation at Chicora Tank Farm*  
Charleston Naval Complex (CNC)  
SC0 170 022 560

Dear Mr. Criswell:

The Department of Defense Corrective Action Section of the South Carolina Department of Health and Environmental Control (Department) received the above referenced document on August 30, 2013. The Department reviewed the request and subsequently approves it. Attached is the Temporary Monitoring Well Approval.

If you have any questions regarding this issue, please contact me at (803) 898-0368.

Sincerely,

Meredith Amick, P.E., Environmental Engineer  
Corrective Action Engineering Section  
Division of Waste Management  
Bureau of Land and Waste Management

cc: Annie Gerry, Hydrogeology  
Christine Sanford-Coker, EQC Region 7, Charleston

Gary Foster, CH2MHill  
Lawson Anderson, Tetra Tech



Catherine B. Templeton, Director

*Promoting and protecting the health of the public and the environment*

**MEMORANDUM**

**TO:** Meredith Amick, P.E.  
Department of Defense Corrective Action Section  
Division of Waste Management  
Bureau of Land and Waste Management

**FROM:** Annie M. Gerry, Hydrogeologist   
Department of Defense Corrective Action Section  
Division of Waste Management  
Bureau of Land and Waste Management

**DATE:** September 4, 2013

**RE:** Charleston Naval Complex  
SC0 170 022 560

Review of **Permit Request for Soil Borings and Temporary Monitoring Wells Supplemental Investigation –Chicora Tank Farm-** Charleston Naval Complex (CNC) North Charleston, South Carolina, dated August 2013

The above referenced document has been reviewed with respect to R.61-79 of the South Carolina Hazardous Waste Management Regulations and conditions of Hazardous Waste Permit SC0 170 022 560. A letter was received on 8/2/13 (Warren to Gerry), requesting to install 16 temporary monitoring wells in an effort evaluate the extent of light non-aqueous phase liquid (LNAPL) and naphthalene exceedences currently impacting the Chicora Tank Farm. Up to 10 monitoring wells are planned for the LNAPL investigation and up to 6 monitoring wells are planned for the naphthalene investigation. The Navy is also requesting a variance to allow the temporary monitoring wells to stay in place for a period of 10 days, instead of 5, to allow additional time for equilibrium prior to performing well gauging and bail down tests.

Based on review of the permit request, the temporary wells and variance are approved. Attached please find a temporary monitoring well approval form with additional conditions for installation.

Should you have any questions regarding this memo, please contact me via email at [GerryAM@dhec.sc.gov](mailto:GerryAM@dhec.sc.gov) or by phone at (803) 898-0359.

## Temporary Monitoring Well Approval

**Date of Issuance: 4 September 2013**

**Approval is hereby granted to:** Mr. David Criswell

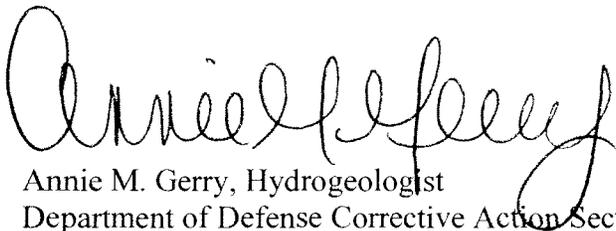
**Facility:** Charleston Naval Complex  
SC0 170 022 560  
Charleston County

This approval is for the installation of 16 temporary groundwater monitoring wells. The temporary monitoring wells are to be installed in the locations as illustrated on Figure 2, the approved *Tier II Sampling and Analysis Plan, Supplemental Investigation, Chicora Tank Farm, Charleston Naval Complex, Revision 1, dated 11 July 2013* and per the proposed construction details provided in the Warren to Gerry 2013 correspondence. The proposed drilling date is 10/21/2013. The monitoring wells are to be installed on 10/21/2013 following all of the applicable requirements of R.61-71.

**R.61-71 requires the following:**

1. All wells shall be drilled, constructed, and abandoned by a South Carolina certified well driller per R.61-71.D.1.
2. A Water Well Record Form or other form provided or approved by the Department shall be completed and submitted within 30 days after well completion or abandonment unless another schedule has been approved by the Department. The form should contain the "as-built" construction details and all other information required by R.61-71.H.1.f
3. All analytical data and water levels obtained from each monitoring well shall be submitted to the Department within 30 days of receipt of laboratory results unless another schedule has been approved by the Department as required by R.61-71.H.1.d.
4. All temporary monitoring wells shall be abandoned within 10 days of borehole completion using appropriate methods as required by R.61-71.H.4.c.
5. If any of the information provided to the Department changes, including the proposed drilling date, Annie Gerry (803-896-4018) shall be notified at least twenty-four (24) hours prior to well construction as required by R.61-71.H.1.a.

This approval is pursuant to the provisions of Section 44-55-40 of the 1976 South Carolina Code of Laws and R.61-71 of the South Carolina Well Standards, dated April 26, 2002.



Annie M. Gerry, Hydrogeologist  
Department of Defense Corrective Action Section  
Division of Waste Management  
Bureau of Waste Management