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MCRD PARRIS ISLAND
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LETTER AND THE SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL
CONTROL APPROVAL OF THE GROUNDWATER AND SOIL CORE SAMPLING PLAN FOR
SITE 45 POST OXIDATION 3 SAMPLING EVENT MCRD PARRIS ISLAND SC

05/20/2014

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL



Catherine B. Templeton, Director

Promoting and protecting the health of the public and the environment

May 20, 2014

Commanding Officer
NAVFAC Southeast
ATTN: Mr. Dan Owens
PO Box 30
Ajax Street North, Bldg 135
Jacksonville, Florida 32212

and

Commanding General
NREAO
ATTN: Mr. Tim Harrington
PO Box 5028
Parris Island, SC 29905

RE: Approval of GW and Soil Core Sampling Plan for PI MCRD Site 45: Post Oxidation 3 Sampling Event
Marine Corps Recruit Depot (MCRD)
Parris Island
SC6 170 022 762

Dear Mr. Owens and Mr. Harrington:

The Division of Waste Management of the South Carolina Department of Health and Environmental Control (Department) completed the review of the above referenced document received May 14, 2014. The Department approves the Sampling Plan. Please note all information on the injections, sampling and data from these events should be included in CERCLA documentation during the remedy selection process. Please refer to the attached hydrogeology memorandum and soil boring approval.

The Department's review is based on the information presented by MCRD to date; any information found to be contradictory may require further action. If you have any questions regarding this issue, please contact me at (803) 898-0368.

Sincerely,

A handwritten signature in black ink, appearing to read "Meredith Amick". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Meredith Amick, P.E., Environmental Engineer
DOD Corrective Action Section
Division of Waste Management

cc:

Lila Llamas, EPA Region 4
Annie Gerry, Hydrogeology
Priscilla Wendt, SCDNR

Russell Berry, EQC Region 8, Beaufort
Peggy Churchill, TtNUS



Catherine B. Templeton, Director

Promoting and protecting the health of the public and the environment

MEMORANDUM

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

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

DATE: May 20, 2014

RE: Marine Corps Recruit Depot
SC6 170 022 762

Review of Ground Water and Soil Core Sampling Plan for PI MCRD Site 45:
Post Oxidation 3 Sampling Event, dated May 5, 2014

The above referenced request has been reviewed with respect to the conditions of the Federal Facility Agreement (FFA) that the Department entered into with the Navy and EPA Region 4 in January 2005, in addition to the SC Well Standards. A letter was received electronically on May 15, 2014 requesting installation of fifteen (15) environmental soil borings at Site 45 to assess treatment performance monitoring purposes of the in-situ chemical oxidation (ISCO) application.

Fifteen environmental soil borings are approved for installation. Should you have any questions regarding this memo, please contact me via email at GerryAM@dhec.sc.gov or by phone at (803) 898-0359.

Environmental Soil Boring Approval

Date of Issuance: May 20, 2014

Approval is hereby granted to: Commanding General
Facility: Marine Corps Recruit Depot
Beaufort, South Carolina
SC6 170 022 762
Beaufort County

This approval is for the installation of 15 environmental soil borings. The soil borings are to be installed in the locations as illustrated on Figure 2 and per the proposed construction details provided in the 05/15/14 correspondence. The proposed drilling date is 6/23/14. The soil borings are to be installed following all of the applicable requirements of R.61-71 of the South Carolina Well Standards.

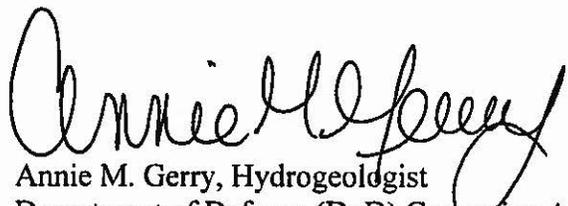
Please note that R.61-71 requires the following:

1. All analytical data and water levels obtained from each monitoring well shall be submitted to the author of this approval within 30 days of receipt of laboratory results unless another schedule has been approved by the Department as required by R.61-71.I.3.a.
2. All borings shall be abandoned within five days of borehole completion as required by R.61-71.I.3.b.
3. Borings five feet in depth or shallower may be abandoned by backfilling with native fill material as required by R.61-71.I.3.c.
4. Borings greater than five feet in depth shall be completely filled from the bottom of the borehole to the land surface with bentonite-cement grout as required by R.61-71.I.3.d.
5. Borings shall be abandoned by forced injection of grout or by pouring through a tremie pipe starting at the bottom of the borehole and proceeding to the surface in one continuous operation as required by R.61-71.I.3.e.
6. A Water Well Record Form or other form provided or approved by the Department shall be completed and submitted to the Department 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.I.3.f.

Note. If the water table is found to be above five feet in depth, the soil borings must be abandoned per conditions #4 and # 5 listed above.

Note. If any soil borings penetrate the water table they must be abandoned per conditions #4 and # 5 listed above.

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 (DoD) Corrective Action Section
Division of Waste Management
Bureau of Waste Management