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MCRD PARRIS ISLAND
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LETTER REGARDING SOUTH CAROLINA DEPARTMENT OF HEALTH AND
ENVIRONMENTAL CONTROL APPROVAL OF TEMPORARY MONITORING WELL
INSTALLATION AT SITE 45 MCRD PARRIS ISLAND SC

10/13/2008

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

October 13, 2008

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

RE: Temporary Monitoring Well Installation Approval for Parris Island MCRD Site 45 Arizona State University Proposed On-site Research Work Plan; dated September 8, 2008

Marine Corp Recruit Depot
Parris Island
SC6 170 022 762

Dear Mr. Cook:

The above referenced temporary monitoring well approval request has been reviewed with respect to the requirements of R.61-79 of the South Carolina Hazardous Waste Management Regulations and R.61-71 of the South Carolina Well Standards; dated April 26, 2002. Marine Corp Recruit Depot (MCRD) is requesting approval from the Federal Facilities Groundwater (FFGW) Section to install ten (10) temporary direct push technology (DPT) groundwater monitoring wells (ASUGW1 through ASUGW10) with sampling/testing being performed over 2 foot screened intervals centered at the following depths: 5 ft, 8 ft, 11 ft, 14 ft, and 17 ft.

These temporary DPT monitoring wells are to be installed at the locations indicated on Figure 3.2 Depth-Specific Groundwater Sampling and Soil Core Collection Locations for the purpose of assessing source zone natural attenuation at Site 45.

The temporary DPT monitoring wells are approved for installation. Attached please find a well approval form with additional conditions for installation.

Should you have any questions regarding this well approval, you may contact me at (803) 896-6647.

Respectfully,

DD080727.JSS

J. Sommer Streett, Hydrogeologist
Federal Facilities Groundwater Section
Division of Waste Management
Bureau of Land and Waste Management

Attachment: Well Approval: HW-08-042

cc:

Tim Harrington, MCRD Parris Island
Meredith Amick, Engineer
Heber Pittman, MCRD Parris Island

Lila Llamas, EPA Region 4
Tom Dillon, NOAA
Site # 50492

Monitoring Well Approval

Date of Issuance: October 13, 2008

Approval #: HW-08-042

Approval is hereby granted to: Charles Cook

Facility: Marine Corps Recruit Depot
SC6 170 022 762
Parris Island

This approval is for the installation of ten (10) temporary DPT groundwater monitoring wells (ASUGW1 through ASUGW10). The monitoring wells are to be installed at the locations indicated in the Well Permit Request for Parris Island MCRD Site 45 Arizona State University Proposed On-site Research Work Plan, Marine Corps Recruit Depot, Parris Island, South Carolina, and in accordance with the proposed construction details provided. The proposed start of drilling is October 20, 2008. These temporary monitoring wells are to be installed following all of the applicable requirements of R.61-71.

Please note that 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 to the FFGW Section 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 author of this approval within 30 days of receipt of laboratory results unless another schedule has been approved by the FFGW Section as required by R.61-71.H.1.d.
4. All temporary monitoring wells shall be abandoned within 5 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, the Author (J. Sommer Streett) 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 and Regulations, dated April 26, 2002.

J. Sommer Streett, Hydrogeologist
Federal Facilities Groundwater Section
Division of Waste Management
Bureau of Land and Waste Management

MEMORANDUM

TO: Meredith Amick, Engineering Associate
Corrective Action Engineering Section
Division of Waste Management
Bureau of Land and Waste Management

FROM: J. Sommer Streett, Hydrogeologist
Federal Facilities Groundwater Section
Division of Waste Management
Bureau of Land and Waste Management

DATE: October 13, 2008

RE: Marine Corps Recruit Depot
SC6 170 022 762

Review of the Demonstration Plan Site-Specific-Version for Former MWR Dry Cleaning Facility, Site SWMU 45, Marine Corps Recruit Depot (MCRD), Parris Island, South Carolina dated March 24, 2008

The above referenced document has been reviewed with respect to the conditions of the Federal Facility Agreement (FFA) that the Federal Facilities Groundwater (FFGW) Section entered into with the Navy and EPA Region 4 in January 2005. The purpose of this demonstration plan is to aid in the development of a classification system for all DNAPL sites by Arizona State University (ASU).

The approval letter for the temporary monitoring wells requested in this document is being sent under a separate letter.

Based on the review of this document the Division has the following comments.

COMMENTS

3.3 Handling of Investigation Derived Wastes

1. The Site Specific Demonstration Plan for Site 45 states, "Purged groundwater and sample residuals from onsite testing will be collected in labeled containers and disposed of in accordance with MCRD Parris Island procedures." Please

specify what the MCRD Parris Island procedures are for dealing with investigation derived wastes.

3.4 Sampling Plan

2. ASU states that if slug testing is not possible aquifer specific-capacity tests will be performed. Please specify how the IDW will be handled if specific-capacity tests are necessary.

Should you have any questions regarding this review, you may contact me at (803) 896-6647 or by email at barkerjs@dhec.sc.gov.

October 13, 2008

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

RE: MCRD Site 45: ASU Proposed On-Site Research
Marine Corp Recruit Depot
Parris Island
SC6 170 022 762

Dear Mr. Cook:

The Corrective Action Engineering Section of the South Carolina Department of Health and Environmental Control (Department) has completed the review of the above referenced document received September 10, 2008. Based on this review, the Department has comments. Please refer to the attached hydrogeology comments. Please provide the requested information prior to beginning fieldwork at Site 45.

If you have any questions or concerns, please feel free to contact me at (803) 896-4218.

Sincerely,

Meredith Amick, Environmental Engineer Associate
Corrective Action Engineering Section
Division of Waste Management

cc:

Tim Harrington, MCRD Parris Island
Sommer Barker, Hydrogeology
Priscilla Wendt, SCDNR
Russell Berry, EQC Region 8, Beaufort

Lila Llamas, EPA Region 4
Tom Dillon, NOAA
Mark Sladic, TtNUS
Heber Pittman, MCRD Parris Island

Comment [MSA1]: What do you think?