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MCRD PARRIS ISLAND
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LETTER AND THE SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL
CONTROL APPROVAL OF MONITORING WELL INSTALLATION REQUEST FOR SITE 8A,
SITE 54, AND SITE 35 MCRD PARRIS ISLAND SC

07/01/2014

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL



Catherine B. Templeton, Director

Promoting and protecting the health of the public and the environment

July 1, 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 Monitoring Well Installation Request for

- Site 8A received June 23, 2014
- Site 54 received June 23, 2014
- Site 35 received June 24, 2014

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) received the above referenced requests on June 23, 2014 and June 24, 2014, respectively. Based on the review, the Department approves the request. Please see the attached hydrogeology memoranda.

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,



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 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: June 30, 2014

RE: Marine Corps Recruit Depot
SC6 170 022 762

Review of Site 8A Permit Request for Installation of Monitoring Wells at Marine Corps Recruit Depot (MCRD) Parris Island, South Carolina dated June 23, 2014

The above referenced request for approval to install temporary monitoring wells 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. Three soil borings which will be converted to temporary monitoring wells and one temporary monitoring well are requested to be installed to delineate potential contamination at Site 8A. The Department acknowledges that the third soil boring, which will later be converted to a temporary monitoring well, might not be installed due to concern of location of HVAC equipment and other utilities.

The four temporary monitoring wells are approved for installation. 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 or by phone at (803) 898-0359.

Temporary Monitoring Well Approval

Date of Issuance: June 30, 2014

Approval is hereby granted to: Commanding General

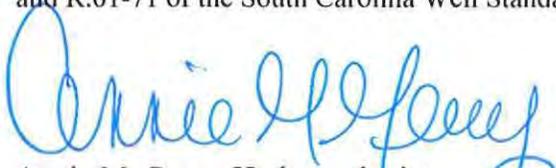
Facility: Marine Corp Recruit Depot
Beaufort, South Carolina
SC6 170 022 762
Beaufort County

This approval is for the installation of four temporary groundwater monitoring wells located at Site 8A. The monitoring wells are to be installed in the locations as illustrated on the updated Figure 17-1 that was sent via email by Peggy Churchill on 6/24/2014 and per the proposed construction details provided in the June 2014 (Tate to Gerry) correspondence. The proposed drilling date is 7/7/2014. These monitoring wells 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 wells shall be drilled, constructed, and abandoned by a South Carolina certified well driller per R.61-71.D.1.
2. All wells shall be properly developed per R.61-71.H.2.d. 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 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.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, Annie Gerry (803-898-0359) 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



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: June 30, 2014

RE: Marine Corps Recruit Depot
SC6 170 022 762

Review Operable Unit 12 (Site 54) Permit Request for Installation of Twelve Monitoring Wells at Marine Corps Recruit Depot (MCRD) Parris Island, South Carolina dated June 23, 2014

The above referenced request for approval to install temporary monitoring wells 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. Direct Push Technology (DPT) will be used to install twelve monitoring wells at Site 54 in an effort to delineate potential contamination. Nine of the monitoring wells will be installed 15 ft below ground surface (bgs) in the upper surficial aquifer and three will be installed 25 ft bgs in the lower surficial aquifer.

The twelve temporary monitoring wells are approved for installation. 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 or by phone at (803) 898-0359.

Temporary Monitoring Well Approval

Date of Issuance: June 30, 2014

Approval is hereby granted to: Commanding General

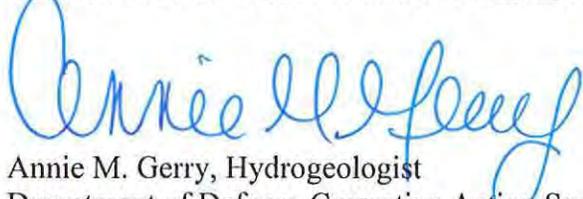
Facility: Marine Corp Recruit Depot
Beaufort, South Carolina
SC6 170 022 762
Beaufort County

This approval is for the installation of twelve temporary groundwater monitoring wells located at Site 54 (OU 12). The monitoring wells are to be installed in the locations as illustrated on Figure 17-2 and per the proposed construction details provided in the June 2014 (Tate to Gerry) correspondence. The proposed drilling date is 7/7/2014. These monitoring wells 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 wells shall be drilled, constructed, and abandoned by a South Carolina certified well driller per R.61-71.D.1.
2. All wells shall be properly developed per R.61-71.H.2.d. 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 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.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, Annie Gerry (803-898-0359) 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



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: June 30, 2014

RE: Marine Corps Recruit Depot
SC6 170 022 762

Review of Site 35 Permit Request for Installation of Seven Monitoring Wells at Marine Corps Recruit Depot (MCRD) Parris Island, South Carolina dated June 24, 2014

The above referenced request for approval to install permanent monitoring wells 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. The seven monitoring wells are to be installed in an effort to evaluate shallow groundwater at Site 35.

The seven permanent monitoring wells are approved for installation. 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 or by phone at (803) 898-0359.

Permanent Monitoring Well Approval

Date of Issuance: June 30, 2014

Approval is hereby granted to: Commanding General

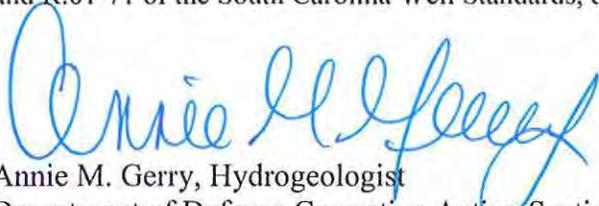
Facility: Marine Corp Recruit Depot
Beaufort, South Carolina
SC6 170 022 762
Beaufort County

This approval is for the installation of seven permanent groundwater monitoring wells located at Site 35. The monitoring wells are to be installed in the locations as illustrated Figure 17-and per the proposed construction details provided in the June 2014 (Tate to Gerry) correspondence. The proposed drilling date is 7/21/2014. These monitoring wells 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 wells shall be drilled, constructed, and abandoned by a South Carolina certified well driller per R.61-71.D.1.
2. All wells shall be properly developed per R.61-71.H.2.d. 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 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.H.1.d.
4. All monitoring wells shall be labeled as required by R.61-71.H.2.c.
5. If any of the information provided to the Department changes, including the proposed drilling date, Annie Gerry (803-898-0359) 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