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EMAIL OF TRANSMITTAL AND MEMORANDUM REGARDING SOUTH CAROLINA
DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL COMMENTS ON REMEDIAL
INVESTIGATION WORK PLAN FOR SITE 45 MCRD PARRIS ISLAND SC
6/22/2009
SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

From: [Meredith Amick](#)
To: [Annie Gerry](#); [Priscilla Wendt](#); llamas.lila@epa.gov; [Pat Franklin](#); [Charles Cook](#); Tom.Dillon@noaa.gov; [Mac McRae](#); [Sladic, Mark](#); [Heber Pittman](#); [Timothy Harrington](#)
Subject: Fwd: ESTCP WP AND MW APPROVAL
Date: Monday, June 22, 2009 10:59:22 AM
Attachments: [ESTCP WP AND MW APPROVAL.msg](#)

Hi team,

Here is the memo to go with the letter and well approval sent Friday.

Let us know if you have questions.

Meredith

MEMORANDUM

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

FROM: Annie Gerry, Hydrogeologist
Federal Facilities Groundwater Section
Division of Waste Management
Bureau of Land and Waste Management

DATE: June 19, 2009

RE: Marine Corps Recruit Depot
SC6 170 022 762

Review of Investigation Work Plan (WP): Site 45- Field Validation of Tier 2 Screening Criteria and Tier 3 Field Procedures for Evaluation of Vapor Intrusion, ESTCP Project ER-0707, Marine Corps Recruit Depot (MCRD), Parris Island, South Carolina dated May 18, 2009

The above referenced document 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. This WP describes the procedures for Tier 2 level site-specific evaluation and screening and Tier 3 field investigation of the vapor intrusion pathway. Along with these objectives, this WP plans to evaluate soil grain size and moisture content and evaluate building foundation permeability and building pressure as factors affecting vapor intrusion attenuation factors.

Based on review of this document, the following comments have been generated.

General Comment

1. This WP proposes evaluation of indoor air quality at an operating dry cleaner. Because this is an operating facility, indoor air issues are regulated under OSHA (Occupational Safety and Health Administrative) therefore the Department has no comments to this WP. Should the dry cleaner facility cease operations, and the land use changes to a use other than industrial, then the Department could require an additional evaluation of indoor air quality.

2. Fifteen DPT (direct push technology) points are proposed in Figure 2.3.2 in the above mentioned WP. The fifteen groundwater DPT monitoring wells are approved for installation. Attached please find a permanent 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) 896-4018.

Attachment: Well Approval: HW-09-027

Monitoring Well Approval

Date of Issuance: June 19, 2009

Approval #: HW-09-027

Approval is hereby granted to: Darrel Heber Pittman

Facility: Marine Corps Recruit Depot
SC6 170 022 762
Beaufort

This approval is for the installation of 15 permanent groundwater monitoring wells (C1-PZ-1-5, C2-PZ-1-5, and C3-PZ-1-5). The monitoring wells are to be installed in the locations as illustrated on Figure 2.3.2 and per the proposed construction details provided in the Field Validation of Tier 2 Screening Criteria and Tier 3 Field Procedures for Evaluation of Vapor Intrusion for Site 45 Work Plan and June 2009 correspondence (Tucker to Amick). The proposed drilling date is 06/23/2009. These 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. 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 (803-896-4018) 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 Gerry, Hydrogeologist
Federal Facilities Section
Division of Waste Management
Bureau of Land and Waste Management

