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MCRD PARRIS ISLAND
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LETTER AND THE SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL
CONTROL AND ATTACHED CONDITIONAL APPROVAL OF SITE 54 REMEDIAL
INVESTIGATION SAMPLING AND ANALYSIS PLAN D2 MCRD PARRIS ISLAND SC
11/04/2013
SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL



Catherine B. Templeton, Director

Promoting and protecting the health of the public and the environment

November 4, 2013

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

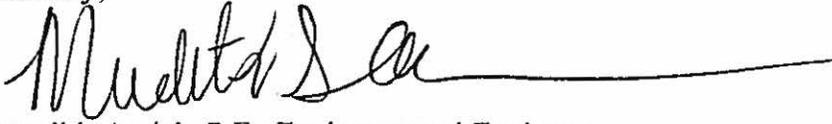
RE: Conditional Approval of Site 54 RI SAP D2
Marine Corp Recruit Depot (MCRD)
Parris Island
SC6 170 022 762

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 document received September 19, 2013. The Department reviewed the document and provides the following comments. Please see the attached engineering, hydrogeology, and risk assessment 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,

A handwritten signature in black ink, appearing to read "Meredith Amick", followed by a long horizontal line 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

Engineering Memo
Prepared by Meredith Amick
Marine Corp Recruit Depot (MCRD)
October 25, 2013

1. Response to Amick Comment #6
For purposes of the RI Report, please note the Department believes that the NPAO data set can be used for decision making purposes.
2. Response to Amick Comment #7, Decision Rule #4 page 58
For purposes of the RI Report, please note the Department believes that the sentence should state, "...human health, screening values, AND background concentrations..."
3. Response to EPA Comment #6
This response appears to leave out mercury as an ecological COPC at the Site 14 PA/SI outfall as listed in EPA RTC #14.
4. SAP Worksheet #3
Due to an office move all DHEC phone numbers have changed. Please correct in future documents.
5. SAP Worksheet #11 Section 11.3
Based on the proposed sampling for SWMU 54, additional investigation may be necessary to address potential impacts from the former Dry Cleaner.
6. SAP Worksheet #11 Section 11.3.4
Please only collect surface water samples if water is present at low tide as discussed in Worksheet 17.
7. Section 11.4 Page 59
For purposes for the RI Report, please note the Department believes that the sentence should state, "If the OU 12 soil Total PCB concentration (including congeners) is less than the Total PCB RSL **OR** 2X the background Total PCB concentration, then PCB congeners will not be further investigated."
8. Section 14.6
Based on detection of significant VOCs in sediment, surface soil samples should be analyzed for VOCs as well.
9. Figure 17-1
At a minimum the second outfall 10" Cast Iron pipe should be discussed in the Report. Depending on use of this pipe additional sampling in the area may be required.
10. Figure 17-1
In the report, please provide information on the unlabeled buildings on this aerial photograph.
11. Figure 17-1
In the report, please discuss if Building 615 tied into the WWTP or outfall.
12. Worksheet 18
Please sample all sediment samples for PCBs. It appears to be left out of analysis for SD-07-0103.

MEMORANDUM

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

FROM: Kent Krieg, Risk Assessor
Department of Defense Corrective Action Section
Division of Waste Management
Bureau of Land and Waste Management

KMK

DATE: October 3, 2013

RE: Remedial Investigation Sampling and Analysis Plan foSite 54
September 2013

The above referenced document by Tetra Tech has been reviewed. The Department does not have any risk related comments

If you need any further information, feel free to contact me at (803) 898-0255.



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: November 4, 2013

RE: Marine Corps Recruit Depot
SC6 170 022 762

Review of Draft Final (D2)- Sampling and Analysis Plan (Field Sampling Plan and Quality Assurance Project Plan) Remedial Investigation for Operable Unit 12 (OU12), Site 54 (Old Waste Water Treatment Plant) and Building 615 (Former Armory), Marine Corp Recruit Depot (MCRD), Parris Island, South Carolina, dated May 2013

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. Operable Unit (OU) 12 includes Site 54, Building 615, Outfall 555, drainage areas of Outfall 555, and the upgradient storm sewer system connected to Outfall 555. Site 54 is a former waste water treatment plant that received industrial and domestic waste and includes a three-part concrete vault. The area behind Site 54 was the location of Building 615, which was a former armory. Possible CLP (Cleaner, Lubricant, and Protectant) and dry cleaning solvents were used to clean weapons. Chlorinated solvents were discovered during an investigation in 2012 at Outfall 555, which drains storm water from Site 54 and former Building 615. The purpose of this report is to obtain more samples in different media to determine the extent of contamination and to determine if there may be an unacceptable risk which will be completed in the Remedial Investigation (RI).

Based on review of this document no comments were generated.

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.