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MCRD PARRIS ISLAND
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LETTER OF TRANSMITTAL AND SOUTH CAROLINA DEPARTMENT OF HEALTH AND
ENVIRONMENTAL CONTROL COMMENTS ON SITE 3 CAUSEWAY LANDFILL SINKHOLES
MCRD PARRIS ISLAND SC
9/10/2010
SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

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September 10, 2010

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

RE: Review of the Site 3 Causeway Landfill Sinkholes
Marine Corp Recruit Depot (MCRD)
Parris Island
SC6 170 022 762

Dear Mr. Cook:

The Division of Waste Management of the South Carolina Department of Health and Environmental Control (Department) completed the review of the *Site 3 Causeway Landfill Sinkholes* received August 16, 2010. The Department reviewed the document with respect to applicable sections of the South Carolina Hazardous Waste Management Regulations (SCHWMR). Based on this review the Department provides the following comments.

The Department's comments are 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) 896-4218.

Sincerely,

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

cc:

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

Lila Llamas, EPA Region 4
Tom Dillon, NOAA (via email)
Mark Sladic, P.E., TtNUS
Heber Pittman, MCRD Parris Island

Engineering Comments
Prepared by Meredith Amick
Marine Corp Recruit Depot (MCRD)
September 10, 2010

General Comments

1. Per the Department's August 3, 2007 letter (Amick to Sanford), methods ensuring that Land Use Controls were implemented and followed properly were to be carried out at Site 3. It is apparent from this letter that both the lack of the stability of the landfill as well as the lack of communication of Land Use Controls at Site 3 are still an issue. The implementation of Land Use Controls (LUCs) as described in the upcoming LUC RD for Site 3, should clearly state how the Depot has corrected these problems and anticipates compliance with the LUCs in the future (i.e. the leaking culvert must be corrected, proof of communication of LUCs must be provided, etc.).
2. Material from the Site 3 sinkholes should not have been moved to the Horse Island Disposal Area and placed directly on the ground. Characterization information will be needed in order to determine if the Horse Island Disposal Area will become a new site and how the Depot should properly dispose of the material.
3. As stated in the five year review quarterly LUC inspections are occurring at Site 3. The Department should be receiving reports from these inspections on a quarterly basis.