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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 VAPOR INTRUSION ANALYSIS FOR THE  
FUTURE MOTOR-T FACILITY AT SITE 27 MCRD PARRIS ISLAND SC  
2/12/2008  
SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL



C. Earl Hunter, Commissioner

*Promoting and protecting the health of the public and the environment.*

February 12, 2008

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

RE: Site/SWMU 27 Vapor Intrusion Analysis for the Future Motor T Facility  
Approval  
Marine Corp Recruit Depot  
Parris Island  
SC6 170 022 762

Dear Mr. Sanford:

The Corrective Action Engineering Section and the Division of Hydrogeology of the South Carolina Department of Health and Environmental Control (Department) have completed the review of the Site/SWMU 27 Vapor Intrusion Analysis received January 2, 2008. Based on this review, the Department has determined the document to be technically adequate. Please refer to the attached hydrogeology and risk assessment memoranda.

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, TiNUS  
Heber Pittman, MCRD Parris Island



C. Earl Hunter, Commissioner

*Promoting and protecting the health of the public and the environment.*

**MEMORANDUM**

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

**FROM:** J. Sommer Barker, Hydrogeologist *JSB*  
Federal Facilities Groundwater Section  
Division of Hydrogeology  
Bureau of Land and Waste Management

**DATE:** February 12, 2008

**RE:** Marine Corps Recruit Depot (MCRD)  
SC6 170 022 762

Review of Site/SWMU 27 Vapor Intrusion (VI) Analysis for Future Motor Transportation (Motor-T) Facility, dated January 2, 2008.

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 document discusses and interprets VI data to determine whether this area is adequate for the location of the Motor-T building.

The Division of Hydrogeology finds this document adequate and has no comments.

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



C. Earl Hunter, Commissioner

*Promoting and protecting the health of the public and the environment.*

**MEMORANDUM**

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

**FROM:** Susan K. Byrd, Risk Assessor *Susan Byrd*  
Corrective Action Engineering Section  
Division of Waste Management  
Bureau of Land and Waste Management

**DATE:** February 12, 2008  
**RE:** Marine Corp Recruit Depot  
Parris Island, South Carolina

Document:  
Site/SMWU 27 Vapor Intrusion Analysis  
For Future Motor T Facility  
Dated January 2, 2008

The Department has reviewed the above referenced document with regards to risk related issues. Using maximum concentrations and conservative risk assumptions, the risk due to vapor intrusion is within EPA's acceptable risk range of  $10^{-4}$  to  $10^{-6}$ . In the event that groundwater concentrations increase, additional contaminants are detected, or site conditions change, additional vapor intrusion modeling may be warranted. If you have any comments or need any additional information, feel free to contact me a (803) 896-4188.