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MCRD PARRIS ISLAND  
5090.3a

LETTER AND MEMORANDUM REGARDING SOUTH CAROLINA DEPARTMENT OF HEALTH  
AND ENVIRONMENTAL CONTROL COMMENTS ON RESOURCE CONSERVATION AND  
RECOVERY ACT FACILITY INVESTIGATION WORK PLAN ADDENDUM FOR SITES 4 AND 7  
MCRD PARRIS ISLAND SC  
12/3/1999  
SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

D H E C



2600 Bull Street  
Columbia, SC 29201-1708

03.01.00. 0077.

December 3, 1999

Commanding Officer  
Department of the Navy  
SOUTHNAVFACENGCOM  
ATTN: Mr. Art Sanford  
2155 Eagle Drive  
North Charleston, South Carolina 29406

RE: RI/RFI Work Plan Addendum for Field Activities at Sites/SWMUs 4 and 7(11/99)  
Marine Corp Recruit Depot  
Parris Island  
SC6 170 022 762

Dear Mr. Sanford:

The Corrective Action Engineering and the Hydrogeology Sections of the South Carolina Department of Health and Environmental Control (Department) have completed the review of the above referenced document which was received on November 17, 1999. Based on this review, the Department has determined that all previous comments have been adequately addressed. Therefore, the above mentioned document is deemed complete with respect to R.61-79 of the South Carolina Hazardous Waste Management Regulations and all applicable guidance documents provided that the following condition is met:

1. Given the minimal amount of sampling that is proposed for these sites, the Department is requiring that a PID scan be used in conjunction with the trenching operation. This will ensure that any contamination that is not visible to the human eye is not overlooked. A PID scan must be performed for each load of soil excavated from the trench, and the results must be documented in the Confirmatory Sampling report. A revision to the addendum is not required; however, this requirement must be documented in the report.

If you have any questions or concerns, please feel free to contact Jerry Stamps at (803) 896-4285 or Don Hargrove of the Division of Hydrogeology at (803) 896-4033.

Sincerely,



David Scaturo, P.E., Manager  
Corrective Action Engineering Section  
Division of Hazardous and Infectious Waste Management

cc:

David Brayack, TtNUS  
Tim Harrington, MCRD Parris Island  
Don Hargrove, Hydrogeology  
Ken Lapierre, EPA Region IV  
Tom Dillon, NOAA  
Priscilla Wendt, SCDNR



2600 Bull Street  
Columbia, SC 29201-1708

## MEMORANDUM

TO: Jerry Stamps, Engineering Associate  
Hazardous Waste Permitting Section  
Division of Hazardous and Infectious Waste Management  
Bureau of Land and Waste Management

FROM: Donald C. Hargrove, Hydrogeologist  
Hazardous Waste Section  
Division of Hydrogeology  
Bureau of Land and Waste Management

DATE: 2 December 1999

RE: Parris Island Marine Corps Recruit Depot (MCRD)  
Parris Island, South Carolina  
Beaufort County  
SC6 170 022 767

RI/RFI Work Plan Addendum for Field Activities at Sites/SWMUs 4 and 7  
(November 1999)

The Division of Hydrogeology has reviewed the Document listed above. This document (dated 16 November 1999) was received on 17 November 1999. It has been submitted as an addendum to the FINAL SWMU 21 RI/RFI Work Plan and SI/CS Work Plan for Site/SWMU 5, Site 9/SWMU 8, Site 13C/SWMU 13, and SWMUs 27 and 35, dated March 1999. This addendum provides a physical description of Solid Waste Management Units (SWMUs) 4 and 7 that includes the history of each SWMU. It briefly describes previous studies performed at some of the SWMUs and indicates that the previous studies suffer from outdated information and/or data gaps. This work plan addendum proposes the sample strategy necessary to fill the data gaps in order to determine the presence/absence of contamination at SWMUs 4 and 7. It also describes the applicability of the RCRA Appendix VIII and IX constituents, given the operational history of MCRD.

This document was reviewed with respect to R.61-79 of the South Carolina Hazardous Waste Management Regulations (SCHWMR), and appropriate guidance documents. Based on this review, the Division of Hydrogeology has determined that this work plan addendum accurately incorporates previous discussions that the Tier I team had concerning these two SWMUs.. It is therefore recommended that this RI/RFI Work Plan Addendum can be approved and implemented as written.

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This work plan addendum proposes groundwater sampling at these two SWMUs. One monitoring well approval (HW-99-099) has been written for the two temporary monitoring wells proposed. A copy of the approval is attached:

If you have any questions regarding this decision, please call me at (803)896-4033.

Attachments: HW-99-099



10 Bull Street  
Columbia, SC 29201-1708

## MONITORING WELL APPROVAL

Approval is hereby granted to:

Commanding Officer  
Department of the Navy  
SOUTHNAVFACENCOM  
ATTN: Art Sanford (Code 1862)  
2155 Eagle Drive  
N. Charleston, SC 29406

Date of Issue: 2 December 1999

Approval Number: HW-99-099

Facility: Marine Corps Recruit Depot  
Parris Island, South Carolina  
Beaufort County  
SC6 170 022 767

For the installation of two (2) temporary monitoring wells, one at SWMU-4, and one at SWMU-7 as follows:

- 1) One (1) shallow temporary monitoring well to be installed at SWMU-4 after the fire training ring has been adequately identified. A general view of SWMU 4 is specified on Figure B-2 (attached), at a depth just below the water table.
- 2) One (1) shallow temporary monitoring well to be installed at SWMU-7 in the location proposed in Figure B-3, at a depth just below the water table.
- 3) These temporary monitoring wells will be installed only long enough to obtain one (1) ground water sample at each well. Once the groundwater has been sampled, these temporary wells will immediately be abandoned according to R.61-71.10 of the South Carolina Well Standards and Regulations.

### Conditions:

- 1) That a driller certified to operate in the State of South Carolina must install the wells. And that the certified well driller must be present during all phases of drilling, construction, and completion of these monitoring wells.
- 2) That the latitude, longitude, surveyed elevation, boring and/or geologist logs, and

DD990923.DCH

actual (as built) construction details for each monitoring well be submitted to the Department within thirty (30) days after installation of the last well.

- 3) All monitoring wells must be properly developed until clear, sediment-free water samples are obtained. Specific conductance, temperature, turbidity, and pH measurements should be taken during development. A log recording the values of these parameters should be maintained during development of the wells. This log should be submitted with the "as-built" construction details required by Condition 2 above.
- 4) All well construction and sampling derived wastes, including but not limited to, drill cuttings, drilling fluids, development and purge water, must be managed properly and in accordance with all applicable state and federal requirements. If containerized, each vessel shall be clearly labeled with regard to contents, source and date of activity.
- 5) A minimum of (48) hours prior to initiation of drilling activities, provide notice to James White, District Hydrogeologist, at Low Country District EQC Office (843)522-9097.

This approval is pursuant to the provisions of Section 44-55-40 of the 1976 South Carolina Code of Laws and the Department of Environmental Control's Regulation R.61-71.

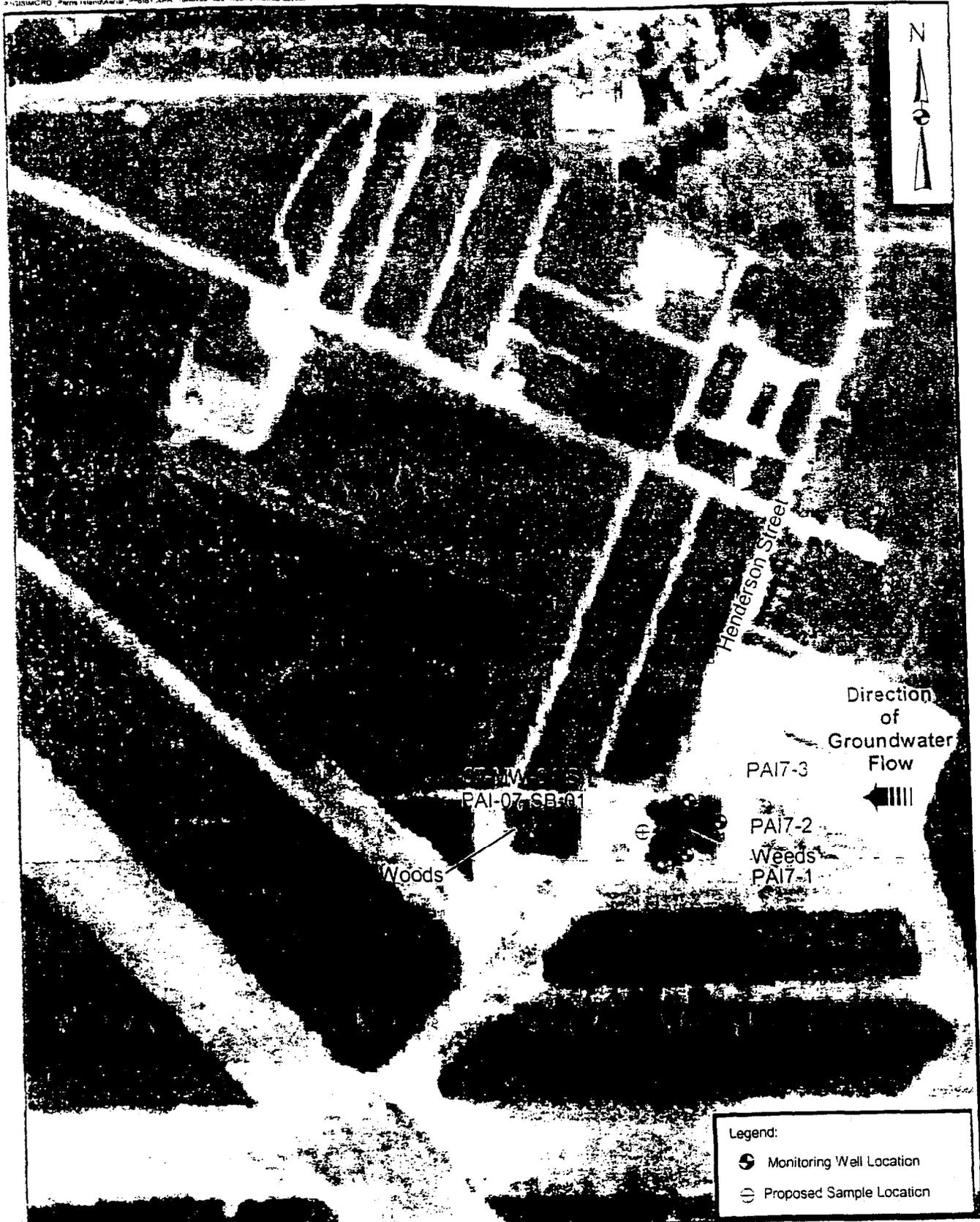
Approval granted by:

  
Donald C. Hargrove, Hydrogeologist  
Bureau of Land and Waste Management  
South Carolina Department of Health and  
Environmental Control

Attachments: Figure B-2  
Figure B-3

cc: Jerry Stamps, Corrective Action Engineering  
James White, Low Country District EQC  
Kenneth Lapierre, Federal Facilities Section, USEPA Region IV





Source: Aerial Photograph, 4/28/72, #45013 MCRD Parris Island

300 0 300 Feet

DRAWN BY MJJ	DATE 03 FEB 79
CHECKED BY	DATE
POST SCHEDULE AREA	
NOT SHOT/CD	



SITE/SWMU 7  
 PAGE FIELD FIRE TRAINING PIT  
 MCRD PARRIS ISLAND  
 PARRIS ISLAND, SOUTH CAROLINA

Legend:	
	Monitoring Well Location
	Proposed Sample Location
APPROVED BY	DATE
APPROVED BY	DATE
DATE	BY