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MCRD PARRIS ISLAND
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LETTER AND MEMORANDUM REGARDING SOUTH CAROLINA DEPARTMENT OF HEALTH
AND ENVIRONMENTAL CONTROL APPROVAL OF DRAFT REMEDIAL
INVESTIGATION/RESOURCE CONSERVATION AND RECOVERY ACT FACILITY
INVESTIGATION WORK PLAN FOR SITE 12 MCRD PARRIS ISLAND SC
5/7/1998
SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

D H E C

03.01.00.0055



2 Bull Street
Columbia, SC 29201-1708

CERTIFIED

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May 7, 1998

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Commanding General, MCRD
ATTN: I&L ERR (NREAO)
P.O. Box 19001
Parris Island, SC 29905-9001

RE:

Approval:

DRAFT Remedial Investigation/RCRA Facility Investigation Work Plan for
Site 12/SWMU 10, Jericho Island Disposal Site, dated April 27, 1998
Marine Corps Recruit Depot (MCRD)
Parris Island, South Carolina
SC6 170 022 767

Dear Commanding General:

The Corrective Action Engineering Section and the Hazardous Waste Section/Division of Hydrogeology of the South Carolina Department of Health and Environmental Control (Department) are in receipt of and have reviewed the RI/RFI Work Plan for Site 12/SWMU 10, Jericho Island Disposal Site.

The work plan was reviewed with respect to, and was determined to meet the criteria specified in R.61-79 of the South Carolina Hazardous Waste Management Regulations (SCHWMR), and appropriate guidance documents. The work plan generated two comments (memo: Hargrove to Peterson 5 May 98) but requires no revision of the document. The work plan is approved and may be implemented as written. A monitoring well approval is enclosed as an attachment.

If you have any questions, please contact Susan Peterson at (803) 896-4182 or Don Hargrove at (803) 896-4033.

Sincerely,

Joan Hartley, Manager
Corrective Action Engineering Section
Division of Hazardous and Infectious Waste Management
Bureau of Land and Waste Management

cc: Susan Peterson, Corrective Action Engineering
Don Hargrove, Hydrogeology
Distribution List



2600 Bull Street
Columbia, SC 29201-1708

MEMORANDUM

TO: Susan Peterson, Engineering Associate
Corrective Action 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

A handwritten signature in black ink, appearing to read 'Donald C. Hargrove', written over the 'FROM:' field.

DATE: 5 May 1998

RE: Parris Island Marine Corps Recruit Depot (MCRD)
Parris Island, South Carolina
Beaufort County
SC 6 170 022 767

DRAFT Remedial Investigation/RCRA Facility Investigation
Work Plan for Site 12/SWMU 10, Jericho Island Disposal Area
(dated April 1998)

The Division of Hydrogeology has reviewed the DRAFT Remedial Investigation/RCRA Facility Investigation Work Plan for Site 12/SWMU 10, Jericho Island Disposal Area (dated April 1998) at MCRD. This work plan (dated 27 April 1998) was received on 29 April 1998. This work plan provides a physical description of SWMU 10 that includes the history of the site and previous investigations. This work plan is designed to be used in conjunction with Volumes I, II, and III of the Master Work Plan for MCRD that was previously approved by the Department. This work plan proposes a sampling strategy and analytical parameters for soils, groundwater, sediment, and surface water that will fulfill the requirements of a RCRA Facility Investigation (RFI).

This document was reviewed with respect to R.61-79 of the South Carolina Hazardous Waste Management Regulations (SCHWMR), and appropriate guidance documents. The following comments were generated:

- 1) This work plan is well written and easy to follow. The sampling strategy and analytical parameters proposed are suitable as the first phase of investigation for delineation of the

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nature and extent of contamination. It should be noted that the data generated by this work plan might necessitate expansion of the investigation area(s). No revision to the document is necessary.

- 2) This work plan specifies that a remnant drinking water well is located on this currently uninhabited island. This well should be immediately abandoned according to R.61-71 of the South Carolina Well Standards and Regulations. No revision to the document is necessary.

The Division of Hydrogeology recommends approval and immediate implementation of this work plan as written. As previously specified at the Tier I meetings, a monitoring well approval has been written (#HW-98-028) and a copy is attached. The official copy has been sent to Art Sanford of the Department of the Navy.

If you have any questions regarding these comments, please contact me at (803)896-4033.

Attached: Monitoring Well Approval #HW-98-028



240 Bull Street
Columbia, SC 29201-1708

MONITORING WELL APPROVAL

Approval is hereby granted to:

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

Date of Issue: 5 May 1998

Approval Number: HW-98-028

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

For the installation of fourteen (14) permanent monitoring wells as follows:

- 1) Seven (7) shallow and seven (7) deep permanent monitoring wells to be installed at the locations specified on Figure 7-3 (attached).
- 2) The seven shallow wells will be screened in the uppermost portion of the surficial aquifer.
- 3) The seven deep wells will be screened at the base of the surficial aquifer, just above the Hawthorn Formation.

Conditions:

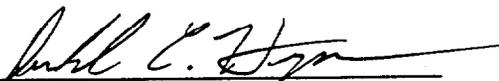
- 1) That the monitoring wells be installed by a well driller certified by the state of South Carolina. And that the certified well driller must be present during all phases of drilling, construction, and completion of these monitoring wells.
- 2) That investigation derived waste including, but not necessarily limited to, drill cuttings, drilling fluids, development and purge water, be managed properly and in compliance with all applicable requirements. If containerized, each vessel shall be clearly labeled with regard to contents, source, and date of activity.

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- 3) That the latitude, longitude and actual construction details be submitted to the Department within 30 days after installation of the last monitoring well.
- 4) That the monitoring wells be labeled with an identification plate constructed of a durable material affixed to the casing or surface pad where it is readily visible. The plate shall provide the well identification number, date of construction, static water level and driller name and certification number.
- 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.

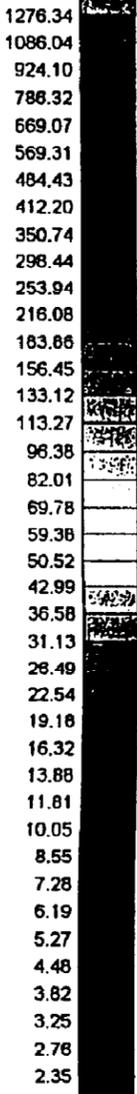
This approval is pursuant to the provisions of Section 44-55-40 of the 1976 South Carolina Code of Laws and the Department of Environmental Control's Regulation R.61-71.

Approval granted by:

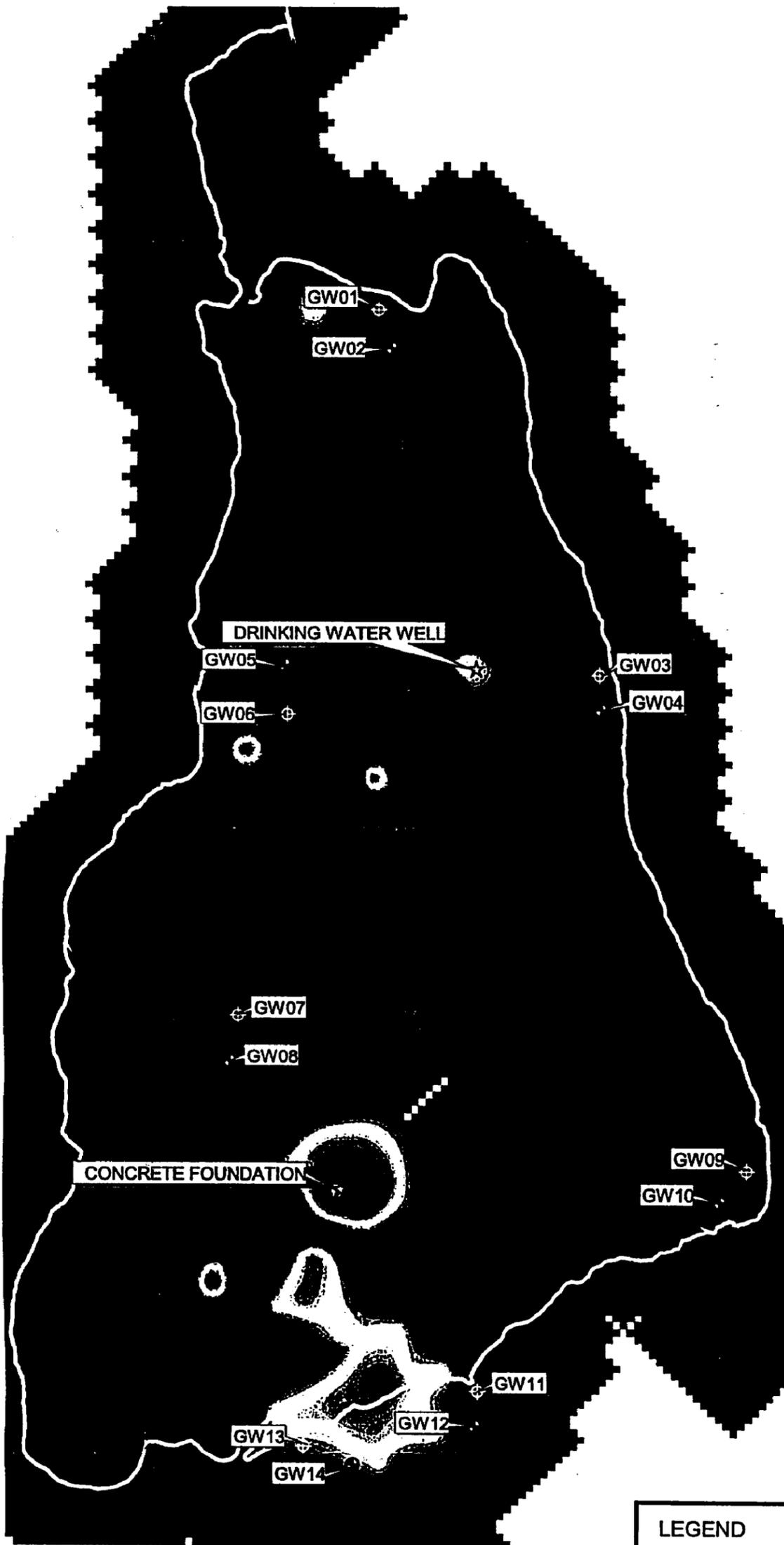

Donald C. Hargrove, Hydrogeologist
Bureau of Land and Waste Management
South Carolina Department of Health and
Environmental Control

Attachment: Figure 7-3, Proposed Monitoring Well Locations

cc: Susan Peterson, Corrective Action Permitting
James White, Low Country District EQC
Kenneth Lapierre, Federal Facilities Section, USEPA Region IV

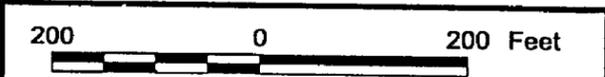


Vertical Gradient
(nT/m)



LEGEND	
⊕	Proposed Shallow Groundwater Monitoring Well Locations
⊗	Proposed Deep Groundwater Monitoring Well Locations
☆	Structures
—	Approximate limits of island (Low Tide) as determined by GPS survey

Notes:
1. All monitoring well samples have the prefix PAI-10-___



DRAWN BY S. TABLER		DATE 3/20/98				CONTRACT NUMBER 7803		OWNER NUMBER 0053					
CHECKED BY B. RUSHE		DATE 4/23/98				APPROVED BY —		DATE —					
COST/SCHEDULE-AREA				<p align="center">FIGURE 7-3 PROPOSED MONITORING WELL LOCATIONS SITE 12/SWMU 10 - JERICO ISLAND DISPOSAL AREA MCRD, PARRIS ISLAND, SOUTH CAROLINA</p>						APPROVED BY —		DATE —	
SCALE AS NOTED										DRAWING NO. FIGURE 7-3			