

State of North Carolina  
Department of Environment,  
Health and Natural Resources  
Division of Solid Waste Management



James B. Hunt, Jr., Governor  
Jonathan B. Howes, Secretary  
William L. Meyer, Director

August 9, 1995

Commander, Atlantic Division  
Naval Facilities Engineering Command  
Code 1823-2

Attention: MCB Camp Lejeune, RPM  
Ms. Katherine Landman  
Norfolk, Virginia 23511-6287

Commanding General

Attention: AC/S, EMD/IRD  
Marine Corps Base  
PSC Box 20004  
Camp Lejeune, NC 28542-0004

RE: Draft PRAP, and ROD for Operable Unit 4.

Dear Ms. Landman:

Attached please find comments provided to the Superfund Section by our sister agencies for the above referenced documents. Note that a preliminary copy of these comments was sent to you via fax in mid June. Please let me know if you have any questions about this.

Sincerely,

*Patrick Watters*

Patrick Watters  
Environmental Engineer  
NC Superfund Section

Attachments

cc: Preston Howard, DEHNR  
Gena Townsend, US EPA Region IV  
Neal Paul, MCB Camp Lejeune  
Bruce Reed, DEHNR - Wilmington Regional Office

State of North Carolina  
Department of Environment,  
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James B. Hunt, Jr., Governor  
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A. Preston Howard, Jr., P.E., Director



July 31, 1995

MEMORANDUM

TO: Jack Butler, Head  
Remediation Branch

FROM: *PH* Preston Howard *PH*

SUBJECT: Camp Lejeune  
Draft ROD and Remedial Action Plan  
Onslow County  
Project No. 95-14

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SUPERFUND SECTION

The Division of Environmental Management has completed the review of the subject document and offers the following comments and recommendations.

Air Quality Section

No comments at this time.

Water Quality Section

The lead levels associated with the sites within Operable Unit No. 4 are a major concern as they appear to be or are likely to impact surface waters. Unless adequate treatment and/or control measures are provided, this Office will increase monitoring of the surface waters for any impact of the metals on surface water quality.

Groundwater Section Comments

Site 41: We understand that the Navy/Camp Lejeune does not want to "cap" the site with an impermeable material because of the risk associated with the unexploded ordnance and CWM. Therefore, we suggest they apply for a variance to the 2L rules that require control of primary and secondary sources of contamination. The Groundwater Section suggests that alternative 41GW-3, "Seep Collection and Treatment and Institutional Controls and Monitoring", be implemented if the variance can be obtained for the contamination sources. If the variance is not obtained, then alternative

41GW-4, "Groundwater Extraction and Treatment with Institutional Controls and Monitoring", should be implemented.

Site 74: Pesticides were found above background levels across the site in the soil, but most were found at the former pest control area at concentrations up to 3,800 ug/kg. Heptachlor was detected in groundwater at 0.01 ug/l. Other pesticides have been found in shallow groundwater at this site, but reportedly have been below state standards. The selected remedies for this site are "Institutional Controls" for the soil, and "Institutional Controls and Monitoring" for the groundwater. The WiRO Groundwater Section is prepared to accept these remedies, if the Division of Solid Waste Management concurs with the Navy's/Camp Lejeune's decision of not removing the pesticide contaminated soils.

If there are any questions, please advise.

APHjr/sbp/SWM2.

cc: Alan Klimek  
Steve Tedder  
Wilmington Regional Office  
Central Files  
Groundwater Section Files