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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

May 11, 1994

Commander, Atlantic Division
Naval Facilities Engineering Command
Code 1823-1

Attention: MCB Camp Lejeune, RPM
Ms. Linda Berry, P. E.
Norfolk, Virginia 23511-6287

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

RE: Pre-Final Design Package - Basis of Design Report -
Soil and Groundwater Remediation for Operable Unit
2 (sites 6, 9, and 82)

Dear Ms. Berry:

The referenced document has been received by the North Carolina Superfund Section. Due to the limited time provided, we were only able to perform a cursory review of this document. Our comments from this review are attached. Please call me at (919) 733-2801 if you have any questions about this.

Sincerely,

Patrick Watters

Patrick Watters
Environmental Engineer
Superfund Section

Attachment

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

North Carolina Superfund Comments
Camp Lejeune MCB Operable Unit 2
Pre-Final Design Package - Basis of Design Report

1. Page 1-1, Section 1.0
The last paragraph indicates this document is equivalent to a 100 percent design submittal. We had received a draft copy of a letter [not dated] from Ms. L. A. Boucher to Ms. Gena Townsend EPA Region IV which indicated this Pre-Final Design Package is equivalent to a 30 percent design submittal.
2. Page 6-3, Section 6.3.1
This section does not include the designation used on Drawing P-1 for the flash mixing tank (X-130A). The remainder of the process description text includes the nomenclature used on Drawings P-1 and P-2.
3. Page 6-4, Section 6.3.4
This section indicates that the dried sludge removed from the filter plates will be disposed of in a "dumpster". There is no indication in the text that this dried sludge will be checked to determine whether it is hazardous.
4. Page 6-4, Section 6.4
This section indicates that adjustment of pH in tank T-200 will be done by adding a 10 percent by weight hydrochloric acid (HCl) solution by Metering Pumps P-211 A/B. Drawing P-2 identifies these pumps as P-212A/B.
5. Page 6-5, Sections 6.6 and 6.7
These sections do not discuss the Cartridge Filters (F-220A/B/C) which are shown on Drawing P-2.
6. Page 6-6, Section 6.8
This section identifies the backwash water tank as T-241. Drawing P-2 identifies the tank as T-240.
7. Drawing P-2
The drawing shows the treated effluent going to Bousch Creek which should be Wallace Creek.