

03.01-04/05/95-01440



UNITED STATES MARINE CORPS

MARINE CORPS BASE
PSC BOX 20004
CAMP LEJEUNE, NORTH CAROLINA 28542-0004

IN REPLY REFER TO:

6286
BEMD

10 5 APR 1995

From: Commanding General, Marine Corps Base, Camp Lejeune
To: Commander, Atlantic Division, Naval Facilities Engineering
Command, Attn: Ms. Linda Saksvig (Code 1823), 1510
Gilbert Street, Norfolk, Virginia 23511-2699

Subj: DRAFT FINAL REMEDIAL INVESTIGATION REPORT AND FEASIBILITY
STUDY FOR OPERABLE UNIT NO. 4

Encl: (1) Comments concerning the Draft Final Remedial
Investigation Report for Operable Unit No. 4
(2) Comments concerning the Feasibility Study for Operable
Unit No. 4

1. The subject documents have been received and reviewed by the
Installation Restoration Division. Our comments are contained in
enclosures (1) and (2).

2. If you have any questions or comments, please contact Mr.
Neal Paul, Director, Installation Restoration Division,
Environmental Management Department, at telephone (910) 451-5068.

A handwritten signature in cursive script, appearing to read "Robert L. Warren".

ROBERT L. WARREN
By direction

**Comments concerning the Draft Final Remedial Investigation Report
for Operable Unit 4**

General comments:

1. Throughout this document, the abbreviation "PAH" is utilized to denote "polynuclear aromatic hydrocarbon", as well as "polycyclic aromatic hydrocarbon." Which is correct?
2. Installation Restoration Site 74 is located within a wellhead protection area. Will this influence risk assessment calculations?
3. Ensure that a datum, such as sea level, and a unit of measure, such as feet, is established for all groundwater and topographic elevations shown on the associated maps.

Specific comments:

1. Page ES-5, paragraph 3: The statement "Grease was reportedly disposed of in trenches, then backfilled" is not supported by evidence. According to the Installation Restoration Site Summary Report, grease and food wastes were placed into a pit. This material was then flushed from the excavation during the passing of Hurricane Hazel in 1954.
2. Page 3-3, paragraph 2: The statement "The site is primarily underlain by silty sand, with discontinuous layers of sand, clayey sand, sandy clay, silt, and clay underlain by shelly sand (Castle Hayne Formation)" is misleading. In this sentence, the term "formation" should be replaced with the term "aquifer", as the Castle Hayne Aquifer and the Castle Hayne Formation are not necessarily the same lithologic units.
3. Figure 3-16: Well 74GW06 depicts a groundwater elevation of 12.54. This elevation has been incorrectly placed between the groundwater level contours of 15 and 20.

**Comments concerning the Draft Final Feasibility Study for
Operable Unit 4**

General comments:

1. Throughout this document, the abbreviation "PAH" is utilized to denote "polynuclear aromatic hydrocarbon", as well as "polycyclic aromatic hydrocarbon." Which is correct?
2. Ensure that a datum, such as sea level, and a unit of measure, such as feet, is established for all topographic elevations shown on the associated maps.