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## NAVY ENVIRONMENTAL HEALTH CENTER ENVIRONMENTAL PROGRAMS DIRECTORATE

### Decision Document Review

**Location:** Camp Lejeune, North Carolina

**Command:** Marine Corps Base Camp Lejeune

**Site:** Site 10

**Work Description:** No Action Decision Document

**Document Date:** July 2001

**Contract No/Delivery Order No:** N62470-89-D-4814/0369

**EP Document No:** 4349

**Prepared for:** LANTNAVFACENGCOM

**Prepared by:** Baker Environmental, Inc.

**Date Received:** 31 July 2001

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**MEDICAL REVIEW OF  
DRAFT NO ACTION DECISION DOCUMENT  
SITE 10  
MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA**

**General Comment:** The document entitled “Draft No Action Decision Document Site 10 Marine Corps Base Camp Lejeune, North Carolina,” was provided to the Navy Environmental Health Center (NAVENVIRHLTHCEN) for review on 31 July 2001. The report was prepared for the Atlantic Division, Naval Facilities Engineering Command by Baker Environmental, Inc.

**Review Comments and Recommendations:**

1. Page 3-4, Section 3.1.3, “Lead Results”

**Comments:**

a. The text states that “The maximum detected concentration of lead found in the subsurface soil was used in the model. The remaining model parameters used were the default factors supplied in the model. This maximum concentration resulted in a 66.82 percent probability of the blood lead levels exceeding 10 ug/dl, **which exceeds acceptable levels.**”

b. The maximum detect level is not representative of actual exposure point concentrations. Use the 95<sup>th</sup> upper confidence limit of the mean of the soil lead concentrations, not the maximum detected level.

**Recommendation:** Consider using the lead computer model to recalculate the potential exposure using less conservative site specific model parameters.