

Baker

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May 14, 1996

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Commander
Atlantic Division
Naval Facilities Engineering Command
1510 Gilbert Street (Building N-26)
Norfolk, Virginia 23511-2699

Attn: Ms. Katherine Landman
Navy Technical Representative
Code 18232

Re: Contract N62470-89-D-4814
Navy CLEAN, District III
Contract Task Order (CTO) 0274
Operable Unit No. 11 (Site 80)
MCB Camp Lejeune, North Carolina
TCRA Remedial Levels

Dear Ms. Landman:

This letter presents the revisions to the estimated remediation levels chosen for the Time Critical Removal Action (TCRA) at Operable Unit (OU) No. 11 (Site 80), MCB Camp Lejeune, North Carolina. The Department of the Navy (DoN) and Marine Corps, in conjunction with USEPA Region IV and the State of North Carolina, selected remediation levels for the pesticide contaminated soil at Site 80 in December 1995.

The DoN and Marine Corps have considered and adopted changes to the estimated remediation levels to increase the cleanup efficiency and cost-effectiveness while ensuring protection of human health and the environment. The changes in the remediation levels have been agreed to by USEPA Region IV and the State of North Carolina.

Before implementing the soil remedy at Site 80, discussions were held among the DoN, Marine Corps, USEPA Region IV, the State of North Carolina, the design contractor, and the remediation contractor. After a review of the estimated remediation levels, which were estimated based on the human health risk assessment, it was necessary to revise the remediation levels to reduce the volume of soil requiring excavation and disposal. The remediation levels presented in the Basis of Design were based on an ingestion rate of 480 mg/kg, which is a default value provided by the USEPA to be applied to a commercial landscaper. This value was determined to be too conservative given the nature of activities conducted at this site. Consequently, a more plausible ingestion rate of 200 mg/kg was applied. This value is a default published by the USEPA for adult ingestion of soils.

The revised remediation levels are provided as Attachment A. These revised remediation levels will reduce the volume of soil at Site 80 requiring excavation and disposal, thus providing a cost savings while maintaining protection of human health and the environment.



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The DoN, Marine Corps, USEPA Region IV, and State of North Carolina have discussed the revised remediation levels and have concurred.

If you have any comments or questions, please contact me at (412) 269-2053.

Sincerely,

BAKER ENVIRONMENTAL, INC.



Matthew D. Bartman

Activity Coordinator

MDB/lq

cc: Ms. Lee Anne Rapp, P.E., Code 18312 (letter only)
Ms. Beth Collier, Code 02115 (letter only)
Mr. Neal Paul, IRP Director, MCB Camp Lejeune (w/attachment)
Ms. Gena Townsend, USEPA Region IV (w/attachment)
Mr. Patrick Watters, NC DEHNR (w/attachment)
Mr. Jim Dunn, OHM Corporation (w/attachment)
Lt. Cheryl Hansen, ROICC, MCB Camp Lejeune

Attachment A
Current and Revised Remediation Levels
for Pesticide Contaminated Soils
Operable Unit No. 11 (Site 80)
MCB Camp Lejeune, North Carolina

Contaminant	Current Remediation Level	Revised Remediation Level
Aldrin	35 ug/kg	340 ug/kg
Dieldrin	37 ug/kg	360 ug/kg
4,4'-DDD	2484 ug/kg	2400 ug/kg
4,4'-DDT	1753 ug/kg	1700 ug/kg
Chlordane	459 ug/kg	4400 ug/kg