



Marine Corps Base, Camp Lejeune

Explanation of Significant Differences

Operable Unit No. 1

October 1995

This Fact Sheet provides information regarding the Explanation of Significant Differences for Site 21 at Operable Unit (OU) No. 1 at Marine Corps Base, (MCB) Camp Lejeune, North Carolina. MCB, Camp Lejeune has been investigating sites at the Base through the Department of Defense (DoD) Installation Restoration (IR) Program. The goal of the IR Program is to identify, assess, characterize, and cleanup or control contamination from past hazardous waste disposal operations.

Introduction

This Fact Sheet, the Explanation of Significant Differences (ESD), presents the revisions to the selected cleanup remedy chosen for Site 21 at OU No. 1 at MCB, Camp Lejeune, North Carolina. The Department of the Navy (DoN) and Marine Corps, in conjunction with the U.S. Environmental Protection Agency (USEPA) Region IV and the State of North Carolina, selected cleanup remedies for the contaminated soil at Site 21 in September 1994. The cleanup remedy was documented in the OU No. 1 Record of Decision (ROD), the report explaining the remedy selections at MCB, Camp Lejeune.

The DoN and Marine Corps have considered and adopted changes to the selected cleanup remedy to increase the cleanup efficiency and cost-effectiveness while ensuring protection of human health and the environment. Therefore, the DoN and Marine Corps are issuing this document as part of the public participation requirements under Section 117 (c) of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), as amended; Section 300.435(c)(2)(i) of the National Contingency Plan (NCP), 40 Code of Federal Regulations (CFR) Part 300; and the Navy/Marine Corps IR Program guidance. Accordingly, this ESD will become part of the Administrative Record (AR) file (the legal file containing the ROD and the background information which formed the basis of the selected cleanup remedies), which is located at the libraries listed on page 2.

OU No. 1 Background

OU No. 1 is located in the Hadnot Point Industrial Area of MCB, Camp Lejeune, approximately one mile east of the New River and two miles south of State Route 24. The site area is bordered by Holcomb Boulevard to the northwest, Sneads Ferry Road to the northeast, Main Service Road to the southwest, and woodlands and Cogdels Creek to the southeast. Three sites, Site 21 (Transformer Storage Lot 140), Site 24 (Industrial Fly Ash Dump), and Site 78 (Hadnot Point Industrial Area), are included in OU No. 1 for a total of approximately 690 acres. A description of Site 21, the only site with cleanup revisions, is provided below.

Site 21 Background

Site 21, located entirely within Site 78, has a history of pesticide storage and handling. Reportedly, transformer oil was disposed at this site. The southern portion of this site was used for mixing pesticide and cleaning pesticide application equipment from 1958 to 1977. The northeastern portion of the site reportedly contained a pit that was used to dispose of transformer oil containing polychlorinated biphenyls (PCBs) between 1950 and 1951.

Based on the results of a Remedial Investigation (RI) conducted at OU No. 1, three distinct three Areas of Concern (AOCs) were identified within Site 21. AOC 1 is located in the northeast portion of Site 21. This is an area where soil is contaminated with elevated levels of PCBs. The area is the suspected transformer oil pit.

Site 21 Background cont. AOC 2 is located in the southwest portion of Site 21. Site soil is contaminated with PCBs. Surface soil at AOC 3, located in the southwest portion of Site 21, is contaminated with elevated levels of pesticides. AOC 3 may be the area where former pesticide handling/disposal activities were conducted.

Selected Remedy The selected remedy for the soil AOCs within OU No. 1 is to excavate and dispose of contaminated soil at a permitted off-site landfill. This remedy will remove the contaminants of concern from the soil AOCs, thus eliminating the potential for exposure to the contaminants and preventing contaminant migration. The excavated areas will be backfilled with clean soil and restored.

Significant Differences Before implementing the soil remedy at Site 21, discussions were held among the DoN, Marine Corps, USEPA, the State of North Carolina, the design engineer, and the remediation contractor. After a review of current Federal and State criteria for PCBs, a new clean up level was proposed for the PCB contaminated soil at OU No. 1. A clean up level specifies "how clean is clean" or to what level the contaminant must be reduced. Previously, the clean up level stated in the OU No. 1 ROD for PCB contaminated soil was 0.37 parts per million (ppm). Federal PCB action levels for industrial sites range from 10 ppm to 25 ppm. The State of North Carolina Divisional Policy for PCBs is 10 ppm for industrial sites. Due to the industrial nature of activities at Site 21, a new clean up level of 10 ppm will be implemented for PCB contaminated soil. This revised clean up level will reduce the volume of soil at Site 21 requiring excavation and disposal, thus providing a cost savings while maintaining protection of human health and the environment.

Support Agency Comments The DoN, Marine Corps, USEPA, and the State of North Carolina have discussed the PCB contaminant cleanup level change. All parties concur with the modification to the proposed remedy.

Affirmation of Statutory Determination Considering the reevaluation of information and the changes made to the selected remedy, the DoN, Marine Corps, USEPA, and the State of North Carolina believe that the remedy will remain protective of human health and the environment, will comply with Federal and State requirements that are applicable or relevant and appropriate to this remedial action, and will be cost effective.

Administrative Record This ESD will become a part of the Administrative Record (AR) for OU No. 1. The AR may be reviewed at the following locations:

Onslow County Library 58 Doris Avenue East Jacksonville, NC 28540 Mon.-Thurs. 9:00 a.m. to 9:00 p.m. Fri.-Sat. 9:00 a.m. to 6:00 p.m.	MCB, Camp Lejeune Environmental Management Department Building 67, Room 237 Marine Corps Base Camp Lejeune, NC 29542 Mon.- Fri. 7:00 a.m. to 3:00 p.m.
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Point of Contact For additional information please contact:

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