



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 4
ATLANTA FEDERAL CENTER
61 FORSYTH STREET
ATLANTA, GEORGIA 30303-8960

M67001.AR.004628
MCB CAMP LEJEUNE
5090.3a

JUN 20 2000

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

4WD-FFB

Commanding General
Building 1
Marine Corps Base
Camp Lejeune, North Carolina 28542

SUBJ: Amendment to Record of Decision
Operable Unit 12, Site 3
MCB Camp Lejeune NPL Site
Jacksonville, North Carolina

Dear Sir:

The U.S. Environmental Protection Agency (EPA) Region 4 has reviewed the above subject decision document and concurs with the amended selected remedy for the Remedial Action at Site 3. This remedy is supported by the previously completed Remedial Investigation, Feasibility Study and Baseline Risk Assessment Reports.

The selected soil remedy presented in the Record of Decision on January 6, 1997, included source removal, on-site biological treatment of the PAH-contaminated subsurface soils for the protection of groundwater and institutional controls designed to prevent future potential exposure. The controls include restricting potable well installation, restrictions for future land use and a groundwater monitoring plan. Prior to full scale treatment, a pilot scale treatability study was performed on the PAH contaminated soils. Results of this study indicated that biological treatment of site soils for the protection of groundwater was not effective, therefore, another remedy must be selected.

The amended remedy for the soil at OU12 (Site 3) includes excavation of PAH-contaminated subsurface soils to an estimated depth of nine feet below ground surface and disposal in a permitted landfill. However, the Agency requires that the excavated soils be sampled to verify that the levels are below the "Region 3's Industrial Risk Base Concentrations (RBCs)" and pass the Resource Conservation and Recovery Act's "Toxicity Characteristics Leaching Procedure" before disposal into a subtitle D landfill. If the soils fail to meet these levels, they shall be biologically treated until these levels are attained. If the biological treatment of the soil fails to

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attain the RBCs, the soils shall be disposed of in a hazardous waste (Subtitle C) landfill.

This remedial action is protective of human health and the environment, complies with Federal and State requirements that are legally applicable or relevant and appropriate to the remedial action and is cost effective.

EPA appreciates the coordination efforts of MCB Camp Lejeune and the level of effort that was put forth in the documents leading to this decision. EPA looks forward to continuing the exemplary working relationship with MCB Camp Lejeune and Atlantic Division Naval Facilities Engineering Command as we move toward a final cleanup of the NPL site.

Sincerely,



Richard D. Green, Director
Waste Management Division

cc: Elsie Munsell, Deputy Assistant Secretary of the Navy
Neal Paul, Camp Lejeune
Kate Landman, LANTDIV
Dave Lown, NCDEHNR