



BECHTEL NATIONAL INC.

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CLEAN II TRANSMITTAL/DELIVERABLE RECEIPT

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DATE: 9/4/96

CTO #: 0079

LOCATION: MCAS El Toro

FROM:

[Signature]

D. K. Cowser, Project Manager

DESCRIPTION: Replacement Page 11 for Final Action Memorandum Non-Time-Critical Removal
Action for Unit 2 of Site 19 - Aircraft Expeditionary Refueling Site

TYPE: Contract Deliverable (Cost) CTO Deliverable (Technical) X Other

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Alternative 4 is also recommended over alternatives 1, 2, and 3 because of the speed of implementability, and the fact that no handling of the contaminated material would be required. Alternative 5 is not recommended because it would not reduce the risk of exposure to the contaminated soil on-site and would not meet cleanup objectives.

**1. PROPOSED ACTION DESCRIPTION**

Clean soil (i.e., containing less than 1 part per million PCBs) will be used to cover the contaminated soil in the pit and backfill Unit 2 of Site 19 to a relatively level grade. Soil for backfilling the pit may not be available on the base. If imported fill is used, it will be verified to be clean and certified by the supplier to be clean. Approximately 2,460 cubic yards will be needed to backfill the excavation and all of Unit 2 to grade, assuming a 15-percent compaction factor. Use of on-site borrow material, if available, would be less costly. On-site borrow material would not be used as backfill material until analytical results indicate that the soil is clean.

**2. POTENTIAL IMPACT ON SENSITIVE POPULATION AND HABITATS**

Unit 2 of Site 19 is characterized by exposed soil with sparse vegetation and a pit. No special-status species were observed at this site, and the habitat provided by the immediate area for wildlife species is marginal. The proposed removal action is not expected have an impact on any sensitive population and habitats.

**3. POST-REMOVAL SITE CONTROL**

The intent of the proposed removal action is to limit contaminant mobility and the potential for environmental exposure. Thus, disclosure of administrative site controls, through deed notification, may be required.

**4. CONTRIBUTION TO REMEDIAL PERFORMANCE**

Contaminated surface and shallow subsurface soil will be covered with clean soil thus removing the threat of current and future worker exposure to the contaminants. The toxicity, mobility, and volume of contaminants in the excavated soil will not be changed. The documented removal action will be used for site closure and will constitute part of a document for eventual land transfer.

**5. DESCRIPTION OF ALTERNATIVE TECHNOLOGIES**

On-site thermal desorption (alternative 1), off-site thermal desorption (alternative 2), and off-site landfill disposal (alternative 3), were also evaluated in the EE/CA (BNI 1995). For comparison, the "no action" alternative was evaluated as well, as required under the NCP. Tables 3 and 4 in Attachment B provide a summary of this evaluation based on effectiveness, implementability, and cost.