



BECHTEL NATIONAL INC.

W 60050.001675

CLEAN II TRANSMITTAL/DELIVERABLE RECEIPT

Contract No. N-68711-92-D-4670

Document Control No.: CTO-0073/0067 & CTO-0076/0196

File Code: 0230/028.1

TO: Commanding Officer
Naval Facilities Engineering Command
Southwest Division
Mr. Paul Kennedy, Code 0233.PK(1)
Building 128
1220 Pacific Highway
San Diego, CA. 92132-5187

DATE: December 18, 1995
CTO #: 0073 & 0076
LOCATION: San Diego, California

FROM: D. K. Cowser, Project Manager

J. W. Kluesener, Operations Manager

DESCRIPTION: Investigation Derived Waste, RI/FS for CTO-0073 and CTO-0076
MCAS El Toro, California

TYPE: Contract Deliverable X CTO Deliverable Change Notice/Project Note
Other

VERSION: NA REVISION #:

ADMIN RECORD: Yes+ No X Category Confidential

SCHEDULED DELIVERY DATE: NA ACTUAL DELIVERY DATE: 12/18/95

NUMBER OF COPIES SUBMITTED: Six (6)

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CLEAN II Program
Bechtel Job No. 22214
Contract No. N68711-92-D-4670
File Code: 0230/028.1

**IN REPLY REFERENCE: CTO-0076/0083
CTO-0073/0067**

December 19, 1995

Commanding Officer
Southwest Division
Naval Facilities Engineering Command
Mr. Paul Kennedy, Code 0233
Building 128
1220 Pacific Highway
San Diego, CA 92132-5187

Subject: Investigation Derived Waste, RI/FS For CTO-0073 and CTO-0076

Dear Mr. Kennedy:

In executing recent field activities in support of the RI/FS for CTO-0076 and -0073 at MCAS El Toro, we have accumulated approximately 50 cubic yards (60 tons) of soil-matrix Investigation-Derived Waste (IDW). We have asked IT Corporation, the program waste-disposal sub-contractor, to characterize this waste and provide options for disposal.

One composite soil sample was collected from each of six 8-cubic yard bins of soil from landfill and VOC source area characterization activities. The samples were analyzed by the following analytical test methods:

- | | |
|--------------------|--|
| • EPA Method 8240 | Volatile organic compounds |
| • EPA Method 8270 | Semi-volatile organic compounds |
| • EPA Method 8080 | Organochlorine pesticides and PCBs |
| • EPA Method 418.1 | Recoverable petroleum hydrocarbons |
| • STLC/CAM Metals | Soluble threshold limit concentration metals |
| • TTLC/CAM Metals | Total threshold limit concentration metals |
| • 96-Hour Bioassay | Aquatic toxicity test |

The analytical results indicate that the composite samples do not appear to contain compounds that are regulated under Code of Federal Regulations (CFR) 40 or California Code of Regulations (CCR) Title 22, hazardous waste regulations. Specifically, the samples do not contain any metals exceeding the soluble threshold limit concentration (STLC) regulatory levels and all samples passed the 96-hour aquatic toxicity test.



Commanding Officer
Southwest Division
December 15, 1995
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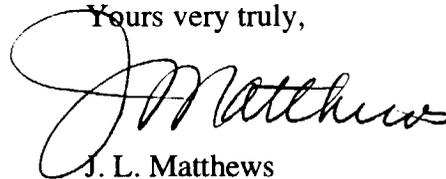
There are several options available for disposal of the non-hazardous IDW soils. The Final IDW Management Plan (CTO-0059) intended for the non-hazardous soil IDW to be stored at the Waste Storage Area (WSA) on Site 5 (p. 6-2, Section 6.2.1, Para. 3). In the interest of completeness, the following table is a comparison of alternative disposal option costs (disposal and transportation only) and the estimated costs for each option are:

Disposal Method	Unit Cost	Estimated Total
Interim storage of soil onsite at the WSA; emptied from bins to spoils piles.	\$78/hr. for the labor and truck to move and empty bins	\$235
Class III (Non-Hazardous Landfill offsite)	\$390/load (tax and fees not included)	\$1950
Class I (Hazardous Landfill)	\$983/load (tax and fees not included)	\$7869

The lowest cost option for SWDIV for the IDW non-hazardous soils is to store it temporarily at the SWA (segregated from known areas of contamination on Site 5) until it can be used for the landfill caps by the Remedial Action Contractor.

We are prepared to initiate the handling of bins and delivery of IDW soils to the WSA as soon as the Navy provides direction. If you have any questions please contact Hank Bachner or Jacques Lord at (714) 733-9132.

Yours very truly,



J. L. Matthews
Contracts Manager

JPL/cg

cc: J. Rogers, Code 185C1.JR
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