

December 2, 1996

21:10:009-96

Mr. Thomas J. Haney
Project Manager
Lockheed Martin Idaho Technologies Company
P.O. Box 1625, MS 3953
Idaho Falls, ID 83415-3953

Subject: Summary Report for OU 10-06 Rad Soils Removal

Dear Mr. Haney:

Field activities for the 10-06 Phase II Removal Action took place at Test Area North (TAN) and the Test Reactor Area North Storage Area. TAN areas were identified as TSF-26 and TSF-06. TSF-26 is an open area located around two inactive underground storage tank (TAN 709 and TAN 710). This area had been previously excavated, but not cleaned to release limits. TSF-06 encompasses the Radioactive Parts Security Storage Area (RPSSA), which was further divided into five areas identified for removal.

Environmental Management, Inc. (EMI) was awarded the contract on August 27, 1996, with field work commencing September 11, 1996.

PRODUCTION SUMMARY

TSF-26

This area has had a varied history and several items were discovered that were previously undetected. The fill lines to TAN 709 and 710 were found and underground electrical utilities encased in a concrete foundation were also discovered (utilities were de-energized). The "box" identified during last years removal was left untouched.

The TSF-26 area was worked from 9/12/96 to 10/2/96, at which time it was discovered that the radiation levels exceeded the transportation limits for one load of soil. Approximately 1700 cubic yards were removed from this area. This area was not cleaned to Preliminary Remediation Goals (PRGs). No backfill or reseeded was done in this area due to additional removal being required following additional characterization and resolution of waste management issues.

TSF-06

Area 7

Area 7 is in the northwest corner of the RPSSA and was worked from 9/23/96 to 9/26/96. Verification samples taken from this area were below PRGs. Approximately 150 cubic yards were removed from this area. This area was backfilled and contoured to grade. The TAN Landlord did not require this area to be reseeded.

Area 8

Area 8 runs along the north and south side of the railroad tracks leading into TAN 679. Area 8 was worked from 9/12/96 to 9/17/96 and again from 9/23/96 to 10/3/96 due to sample results exceeding PRGs. Approximately 250 cubic yards were removed. Subsequent samples were below PRGs. The edges in this area were sloped to prevent them from being a personnel hazard. This area was not reseeded per the TAN Landlord.

Areas 11a and 11b

Areas 11a and 11b are the east and west ends of the ditch (respectively) running through the RPSSA. Approximately 300 cubic yards were removed from these areas, however, Area 11a and 11b confirmation samples were above PRGs. These areas were contoured to grade for water drainage and were not reseeded per the TAN Landlord.

Area 9

Area 9 is in the northeast corner adjacent to the RPSSA. Area 9 was worked 10/7/96 and 10/8/96. Verification samples were below PRGs. Approximately 150 cubic yards were removed from this area. This area was contoured and not reseeded per the TAN Landlord.

General

EMI experienced difficulty in decontaminating one loader due to its poor tire condition. Decontamination attempts on both the loader and one truck bed were hampered by weather conditions at the WWP. This equipment was moved to TAN for final decontamination and release surveys. Personnel error resulted in one injury to a sub-tier employee to EMI which involved no lost time. Standby time resulted from a lack of communication between TAN and CFA radcon management on RADTECH coverage.

A truck count was used to maintain a daily tab on the amount of dirt transported to the WWP, with the final determination to be made by survey data. A total of 165 loads were transported to the WWP without incident. The WWP was surveyed by LMITCO personnel on 10/14/96, for a total of 2044 cubic yards added to the pond. EMI disputed this and the original survey as inadequate for payment purposes. EMI staked all the visible high points and had them

surveyed in by a local engineering firm. An additional survey was performed by LMITCO, taking both the EMI high points and the low points in the pond. This survey resulted in a gain of 22 cubic yards. A final volume was negotiated with EMI at 2550 cubic yards.

Cap material consisting of pit-run and pea gravel was hauled 11/6/96 and 11/7/96. Spreading of the cap was completed on 11/11/96 with a survey performed 11/12/96. The total cap volume was 953 cubic yards. A more experienced operator could have spread the cap with greater consistency and the final cap was just marginally acceptable. EMI was completely demobilized on 11/18/96

Sincerely,



Gregory B. Cotten, P.E.
Project Manager

GBC/lms

cc: J.E. Bruce, LMITCO, MS 3921
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