



High Energy Laser Systems Test Facility
P.O. Drawer 130, White Sands Missile Range, New Mexico 88002 (505) 679-5365

91-0549
3 December 1991

Deputy Commander
U.S. Army Strategic Defense Command
ATTN: CSSD-HD-P (Mr. Wright, COR)
White Sands Missile Range, NM 88002-5148

SUBJECT: Contract No. DAAD07-87-C-0013, WAO OS-62, Progress
Report #2 on HTTS Closure Activities

Dear Mr. Wright:

As per NMED Requirements for the Closure of the HELSTF Tank Treatment System (HTTS), the attached is a report on the HTTS Closure Activities. The HTTS Closure Plan requires a progress report every 30 days from the start of the closure, which began on 1 October 1991. This progress report includes major activities from October 31 to the current date. Additional reports and information resulting from these activities will be forwarded as they are available.

Unless directed otherwise, this and future progress reports will be faxed to your attention and a copy of each mailed informally to NMED. A copy of this report will also be provided electronically to all HTTS Parties to ensure compliance and communicate on the closure.

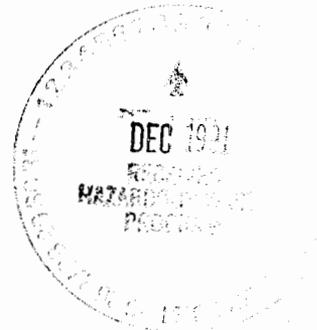
If you have any questions or require additional information, please contact Joel Giblin at (505) 679-5928 or David Shearer at (505) 679-5971.

A handwritten signature in cursive script, appearing to read "R. S. Sadler".

R. S. Sadler
HELSTF Program Manager

Attachment: a/s

cc: D. Sutton (STEWS-PR-MA)
Col. R. Knox (CSSD-HD)
J. Wright (CSSD-HD-P)
L. Brown (CSSD-HD-C)
H. Orr (STEWS-EL-N)
M. Sides (NMED)
D. Bell (STEWS-EL-P)
R. Sadler
J. Giblin
D. Shearer



**CLOSURE PROGRESS REPORT #2
HELSTF TANK TREATMENT SYSTEM
HIGH ENERGY LASER SYSTEMS TEST FACILITY
US ARMY WHITE SANDS MISSILE RANGE**

27 November 1991

Submitted by Lockheed Environmental, HELSTF
US Army White Sand Missile Range

October 24

Add to previous report - Initial steam cleaning of East Tank Liner completed. Samples of steam cleaning rinseate of East Tank Liner taken for analysis.

October 31

WSMR Environmental indicated that they would submit request to NMED for extension for disposal of hazardous waste from West Tank. Lockheed requested documentation of reason for delay from Rollins. Additional samples of the hazardous waste from each roll-off hopper were taken and sent to U.S. Ecology Landfill, Beatty, Nevada.

November 1

Information received from Rollins on delay in disposal of HTTS Hazardous Waste. U.S. Ecology experienced two simultaneous problems. Their treatment machine was broken and their parking lot was full. The transport company, Waste Management, was forced to delay until these problems were corrected.

November 4

Lockheed ordered piping and containment tanks for hazardous drainline steam cleaning, and to contain waste expected from cleaning.

November 5

Lockheed Environmental provided NMED with information on sample analysis of wipe sample from west tank. Results from two samples showed 7 ppm and 35 ppm of total Chrome, and analysis of one sample found 7.5 ppm of Lead.

On November 5, Lockheed Environmental took samples of water covering bottom of each tank. Water was thought unusual, as no known precipitation for several days. Water in each tank covers approximately 13 feet by 50 feet and is 1 1/2 to 2 inches deep at center.

November 7

Lockheed pumped water from HTTS into stock tank and started steam cleaning operation of concrete walls and floor in HTTS Tanks.

November 8

Lockheed provided notification to NMED of scheduled date for hazardous waste removal. Crane used to set steam cleaner in HTTS tank and steam cleaning operation started in west tank. WSMR photographer on site to document cleaning operation.

November 12

The first two roll-off hoppers containing the hazardous waste (ballast sand and miscellaneous debris) from the West Tank of the HTTS were manifested off White Sands Missile Range. Lockheed Environmental escorted the transporter (Triad Trucking) from HELSTF via WSMR Property to the WSMR HQ Area for weighing and inspection. WSMR QA inspected each hopper and signed the manifests (document numbers WS045 and WS046) for White Sands Missile Range (WSMR), the hazardous waste generator.

November 14

The second two roll-off hoppers of hazardous waste (ballast sand and miscellaneous debris) from the west tank of the HTTS were transported via escort to WSMR HQ. Waste was weighed, inspected and manifested off WSMR (manifest numbers WS047 and WS048).

November 18

The last of five roll-off hoppers containing hazardous waste (ballast sand, liner, fuel bladder and miscellaneous debris) from the West Tank of the HTTS was manifested off WSMR (manifest document number WS051). All the waste from the west tank was weighed, inspected and removed as hazardous waste.

November 19

Lockheed Environmental provided notification on the removal of the hazardous waste to NMED and other parties involved in HTTS Closure.

November 25

Lockheed Environmental spoke with Mr. Edward Horst, NMED (Mr. Sides was out of the office). He was informed that the volatile and inorganic analysis of the rinseate from the steam cleaning of the plastic liner from the East Tank of the HTTS showed only minor inorganic constituents and is non-hazardous per TCLP Rules. In addition, he was informed of intent to dispose the cleaned plastic liner as non-hazardous solid waste in the WSMR Landfill. A written copy of the above notification was faxed to NMED and WSMR.

November 26

Lockheed received steel piping and started action to set up plumbing to steam clean the HTTS Hazardous Waste Drainline.

November 27

The plastic liner from the East Tank was placed in the WSMR Landfill for burial. The placement location of the plastic liner in the landfill was marked on a plat and will be further surveyed to ensure proper documentation with regard to permanent markers.

Lockheed Environmental informed Ed Horst, NMED, of disposal, and of intent to sample rinseate from steam cleaning of concrete walls and floor of HTTS Tanks.

UPCOMING HTTS ACTIVITIES

December 2 - 9

Sample containers have been ordered and Lockheed expects to steam clean and sample rinseate from HTTS Tanks per Closure Plan.

December 2 - 13

Lockheed expect to set up piping and containment for steam cleaning of HTTS Hazardous Waste Drainline. May be able to start cleaning of drainline by week of December 9th.