

General

Los Alamos National Laboratory

Hazardous and Solid Waste (ESH-19)
P.O. Box 1663, Mail Stop K490
Los Alamos, New Mexico 87545
(505) 667-0666/FAX: (505) 667-5224

Date: April 11, 2000
Refer to: ESH-19:01-020

**CERTIFIED MAIL
RETURN RECEIPT REQUESTED**

Mr. Carl Will, Permitting
RCRA Permits Management Program
Hazardous Waste Bureau
New Mexico Environment Department
2044-A Galisteo Street
P.O. Box 26110
Santa Fe, New Mexico 87502-6110



RE: ANNUAL HAZARDOUS WASTE TREATABILITY REPORT SUPPLEMENTAL

The purpose of this letter is to submit a supplemental hazardous waste treatability study report required by Title 20 of the New Mexico Administrative Code, Chapter 4, Part 1, as revised Jan. 1, 1997, (20 NMAC 4.1), Subpart II, 261.4 (f)(9). This supplement was discussed in the letter reporting on Los Alamos National Laboratory's treatability activities for the calendar year 2000 submitted March 15, 2001.

The treatability study completed this year and being reported on here was begun in 1999. The final report on that study is in preparation and the information presented here is taken from the records of the scientist conducting the study. Part of the information presented here was included in last year's report as work underway. Today's submittal builds on that information and draws the study to its closure. Please see the attached table for the pertinent information regarding this study.

If you have any questions regarding the hazardous waste treatability study reported here please contact me at 667-0633.

Sincerely,

Jack Ellvinger, ESH-19

JE/vc

Enclosures (1)



13354

Cc: James P. Bearzi, Chief
Hazardous Waste Bureau
New Mexico Environment Department
2044-A Galisteo Street
P.O. Box 26110
Santa Fe, New Mexico 87502-6110

Robert S. (Stu) Dinwiddie, RCRA Advisor
Hazardous Waste Bureau
New Mexico Environment Department
2044-A Galisteo Street
P.O. Box 26110
Santa Fe, New Mexico 87502-6110

John Kieling, Program Manager, Permits
Hazardous Waste Bureau
New Mexico Environment Department
2044-A Galisteo Street
P.O. Box 26110
Santa Fe, New Mexico 87502-6110

Gene Turner, LAAO, MS A316
CIC-10, A150
ESH-19 File

**2000 TREATABILITY STUDY INFORMATION FOR
LOS ALAMOS NATIONAL LABORATORY (LANL)
EPA I.D. NO. NM 0890010515**

Type (by process) of treatability study conducted:

Performing Debris Leaching Studies (Treatability study notification: November 12, 1998)

Person conducting the treatability study:

Barbara Smith, CST-12, Los Alamos National Laboratory, MS J964

Type of waste subject to the treatability study:

Mercury contaminated low-level mixed debris waste, EPA hazardous waste number D009.

Date the shipment of waste for the treatability study was received:

July 16, 1999 and July 26, 1999.

Quantity of waste in storage and subjected to treatment each day:

DATE	QUANTITY STORED	QUANITY	TOTAL quantity in process	Comments
07/16/1999	48.6 KG	0	0	
07/19/1999	48.6 KG	0	0	
07/20/1999	48.6 KG	0	0	
07/21/1999	48.6 KG	0	0	
07/22/1999	0	0	48.6 KG	
07/23/1999	0	0	0	
07/26/1999	204.3 KG	0	0	
07/27/1999	204.3 KG	0	0	
07/28/1999	204.3 KG	0	0	
07/29/1999	31.5 KG	172.8 KG	221.4 KG	
07/30/1999				
to	31.5 KG	0	0	
08/22/1999				
08/23/1999	31.5 KG	0	151.4 KG	- 70 KG recycled packing material
08/24/1999				
09/20/1999				

DATE	QUANTITY STORED	QUANITITY	TOTAL quantity in process	Comments
09/22/1999				
to	31.5 KG	31.5 KG	178.8 KG	
12/06/1999				
12/07/1999	0	0	175.4 KG	3.4 KG TCLP removed
12/08/1999				
to				
12/12/1999	0	0	0	0
12/13/1999	0	0	163.9 KG	11.5 KG TCLP removed
1/1/2000	0	0	163.9 KG	
3/7/2000	0	0	163.1 KG	0.8 KG Hg Removed *
7/5/2000	0	0	143.1 KG	10 KGs of material removed **
7/5/2000	0	0	135.1 KG	8 KGs of metal recycled
7/5/2000	0	0	130.8 KG	4.3 KGs of material returned ***
7/5/2000	0	0	105.8 KG	25 KGs of material returned ****
11/22/2000	0	0	94.0 KG	11.8 KG of glass removed
12/23/2000	0	0	93.6 KG	0.4 KG of Hg removed *
12/23/2000	0	0	93.4 KG	0.2 KG of material removed ****
12/23/2000	0	0	76.0 KG	17.4 KG of material removed
12/23/2000	0	0	0	Final residues shipped back

* Elemental mercury removed from the waste form and sent for amalgamation.

** Drum material (vermiculite etc.) recycled.

*** Material that was non-rad was removed and sent out as RCRA Waste. It was untreatable in this study.

**** Spill kit material that could not be treated in this study was removed, sent back as low-level waste.

Date the treatability study was concluded:

This treatability study is completed accept for writing the report.

Final disposition of residues:

All residues have been disposed.