



Department of Energy  
Albuquerque Operations  
Los Alamos Area Office  
Los Alamos, New Mexico 87544

LANL rec'd - 1991  
04/01/91 ASB  
*Kathy Buntz*

MAR 22 1991

**CERTIFIED MAIL - RETURN RECEIPT REQUESTED**

Dr. Allyn M. Davis, Director  
U. S. Environmental Protection Agency  
Hazardous Waste Management Branch  
1445 Ross Avenue, Suite 1200  
Dallas, Texas 75202-2733

Dear Dr. Davis:

Condition 6 of the Environmental Protection Agency's June 5, 1980, approval to dispose of Polychlorinated Biphenyl (PCB) articles in the Los Alamos National Laboratory's Mesita del Buey Landfill, requires semiannual reporting. Enclosed is the requisite Semiannual PCB Disposal and Monitoring Report.

If you have any questions concerning this report, please call Stephen Fong (FIS 855-5534) of my staff.

Sincerely,

Jerry L. Bellows  
Area Manager

Enclosure

cc w/enclosure:

- J. Highland, US EPA, Region 6, Dallas, TX
- J. Espinosa, NMEID, Santa Fe, NM
- J. Themelis, EPD, AL

*Copy sent to solid waste*



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3) Types and quantities of PCBs disposed during period.

PCBs were X were not \_\_\_ disposed at TA-54, chemical waste landfill.

PCB ARTICLE(S)	Kilograms (kg)	
	Pit 37	Shaft C13
TRANSFORMER CARCASSES (50-500 ppm)	0	0
Transformer 50-500 ppm	18	0
TRANSFORMER CARCASSES (>500 ppm)	0	0
ABSORBED PCB OIL	0	0
RAGS/DIRT (drummed)	0	0
2 Ea. 55 Gal. Drums w/Soil, 50-500 ppm	136	0
EMPTY DRUMS	0	0
ASPHALT/DIRT/CONCRETE		
PCB Contam. Concrete >500 ppm	1361	0
PCB Contam. Asphalt >500 ppm	91	0
CAPACITORS	0	0
GENERATORS	0	0
POWER SUPPLY		
Power Supply 50-500 ppm	58	0
PCB TRASH (drummed)		
2 Ea. 55 Gal. Drums w/Debris, 50-500 ppm	136	0
PCB CONTAMINATED EQUIPMENT	0	0

PCB ARTICLE(S) (con't.)	Kilograms (kg)	
	Pit 37	Shaft C13
MISCELLANEOUS		
Wood Box w/Tubes and Bolts	0	113
Electric Box and Light Fixture	0	132
Transformer Shroud >500 ppm	227	0
PCB Contam. Light Fixture >500 ppm	91	0
Metal Reel Cabinet 50-500 ppm	272	0
Metal from transformer, >500 ppm	0	45
Metal from transformer, >500 ppm	0	45
Metal from transformer, >500 ppm	147	0
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TOTAL (kg)	2537	335
GRAND TOTAL (kg) (Pit 37 and Shaft C13)		2872

- 4) Summary of shaft or trench construction activities for PCB articles disposal and corrective maintenance work required for PCB shaft or trench stormwater diversion structures.

Shaft and trench construction or maintenance:

No construction or corrective maintenance activities performed during this period.

Corrective maintenance work for stormwater diversion structures.

To improve the reliability of runoff sampling, on September 21, 1990, the pond behind the weir (gaging station) where stormwater runoff accumulates, was cleared of all existing vegetation and sediment buildup.

The soil removed was sampled for the parameters set forth in CFR 761.75 (6) (C) (iii) "Chemical Waste Landfills," and conditions listed in Condition 4. of the Environmental Protection Agency's June 5, 1980, approval to dispose of PCB articles in the Los Alamos National Laboratory's Mesita del Buey landfill.

The results of the sampling effort are as follows:

<u>Sample #</u>	<u>Sample Date</u>	<u>PCB (ppm)</u>	<u>pH (s.u.)</u>	<u>Specific Conductance (micromhos/cm)</u>	<u>Chlorinated Organics (Semi Vol) (Vol)</u>
89.01546	9-21-90	<0.42	N/A	N/A	No reportable amounts of any target compounds were found in the samples taken.
89.01548	9-21-90	<0.21	N/A	N/A	

**SEMIANNUAL PCB DISPOSAL AND MONITORING REPORT  
FOR MESITA DEL BUEY DOE DISPOSAL AREA  
LOS ALAMOS NATIONAL LABORATORY**

JULY 1, 1990 TO DECEMBER 31, 1990

This document is intended to supplement preceding reports. The location, descriptions and operations of the disposal site monitoring facilities, etc. can be found in any of the first six reports (June 1980-June 1983). This report is required by Enclosure 1 of a letter dated June 5, 1980 from Ms. Adlene Harrison, Regional Administrator, U.S. Environmental Protection Agency to Mr. Kenneth Braziel, Area Manager, U.S. Department of Energy, Los Alamos Area Office.

- 1) Monitoring of two springs in White Rock Canyon (annually)  
(Rio Grande and adjacent springs)

Monitoring required X not required \_\_\_ this report.

<u>Sample #</u>	<u>Sample Date</u>	<u>PCB (ppm)</u>	<u>pH (s.u.)</u>	<u>Specific Conductance (micromhos/cm)</u>	<u>Chlorinated Organics (Semi Vol) (Vol)</u>
89.01554 (Spring 4)	9-26-90	<0.22	7.33 ± 0.1	202 ± 10.1	No reportable amounts of any target compounds were found in the samples taken.
89.01555 (Spring 3)	9-26-90	<0.22	7.73 ± 0.1	187 ± 9.2	

- 2) Monitoring of on-site cumulative samplers

Stormwater runoff was X was not \_\_\_ collected this report.

\* Stormwater was not collected in cumulative samplers. Pond behind weir (gaging station), which discharges into canyon, was sampled.

<u>Sample #</u>	<u>Sample Date</u>	<u>PCB (ppm)</u>	<u>pH (s.u.)</u>	<u>Specific Conductance (micromhos/cm)</u>	<u>Chlorinated Organics (Semi Vol) (Vol)</u>
89.01540	9-10-90	<0.6	7.00 ± 0.1	160 ± 8	No reportable amounts of any target compounds were found in the samples taken.
89.01542	9-10-90	<0.4	6.96 ± 0.1	158 ± 8	
89.01556	9-28-90	<0.3	7.01 ± 0.1	152 ± 8	