



Environmental Stewardship Division  
Meteorology and Air Quality Group  
P.O. Box 1663, MS J978  
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Date: March 2, 2005  
Refer to: ENV-MAQ:05-075

Mr. Edward Horst  
Environmental Compliance Specialist  
Compliance & Enforcement Section  
New Mexico Environmental Department  
Air Quality Bureau  
2048 Galisteo Street  
Santa Fe, NM 87505

**IDEA ID NO. 856 – LOS ALAMOS NATIONAL LABORATORY  
ANNUAL FIRE ACTIVITY REPORT**

Dear Mr. Horst:

Enclosed is Los Alamos National Laboratory's (LANL) Annual Fire Activity Report for calendar year 2004. This report is a requirement in our open burn permits, TA-11-OB-2003, TA-14-OB-2003, TA-16-OB-2003 (as modified by NMED letter dated March 18, 2003), and TA-36-OB-2003, which were issued on December 27, 2002.

We have listed permit conditions in the Fire Activity Report and have included a summary for each permit. In 2004, LANL did not conduct open burning under permits TA-11-OB-2003, TA-14-OB-2003, and TA-36-OB-2003. From the report summary for TA-16-OB-2003, LANL is in compliance with all terms and conditions. LANL has also complied with all notification and hours of operation requirements.

If you have any questions concerning this report, please contact Steve Story at (505) 665-2169 or Harold Martinez at (505) 665-8863.

Sincerely,

A handwritten signature in black ink that reads 'Jean M Dewart'.

Jean Dewart  
Meteorology and Air Quality Group Leader  
Environmental Stewardship Division

JD:alb

Cy:

S. Fong, DOE/LAAO, A316  
K. Hargis, ENV-DO, J591  
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M. Miller, ESA-WSE, C921  
L. Woodrow, DX-DO, P918  
H. Harry, DX-2, C920  
Marc Clay, DX-TSO, C925  
F. Sisneros, DX-TSO, C925  
G. Vasilik, DX-TSO, C925  
P. Wardwell, LC-ESH, A187  
ENV-MAQ Open Burn Log File  
ENV-MAQ File







# TA-36 Burn Log

LA-UR-05-1600

Sled Track Area - HE Wood Waste							Summary
Date of Burn	Burn Duration (Hour)	Material Type	Wood - Combustible Waste (lb)	HE Quantity (gram)	DU Quantity (gram)	Fuel (gal)	
None							<b>Annual</b>
							0 Burns
							<b>Burn Stats (all burns)</b>
							0 Max. wood (lb)
							0 Max. HE (gram)
							0 Max. DU (gram)
							0 Max. fuel (gal)
Total weight of material:			0	0	0		

**Permit Conditions:**  
 8 burns per year  
 2000 lb of wood per burn  
 45000 gram of HE per burn  
 40000 gram of DU per burn (40 kg)  
 0.5 gal of fuel per burn (approx.)

Open Burn Area						Summary
Date of Burn	Burn Duration (Hour)	Material Type	DU - Contaminated Wood (m <sup>3</sup> )	Combustible Waste Material (Lexan/Plexiglass) (lb)	Fuel (gal)	
None						<b>Annual</b>
						Burns
						<b>Burn Stats (all burns)</b>
						0 Max. DU wood (m <sup>3</sup> )
						0 Max. Comb. Mtrl. (lb)
						0 Max. Fuel (gal)
Total weight of material:			0	0	0	

**Permit Conditions:**  
 8 burns per year  
 300 m<sup>3</sup> DU contaminated wood per burn  
 500 lb combustible waste material per burn (includes Lexan & Plexiglass)  
 10 gal of fuel per burn (approx.)

Flash Pad - HE Contaminated Combustible Solids					
Date of Burn	Burn Duration (Hour)	Material Type	Material Quantity (lb)	Fuel	
01/07/2004	0.5	HE Contaminated Combustibles	50	Propane	
03/01/2004	0.5		36		
03/11/2004	0.5		25		
03/16/2004	0.5		50		
08/10/2004	0.5		33.75		
08/11/2004	0.5		25		
08/12/2004	0.5		50		
Total weight of material in pounds:			269.75		

Flash Pad - Scrap Metal					
Date of Burn	Burn Duration (Hour)	Material Type	Material Quantity (lb)	Fuel	
02/11/2004	0.5	Scrap Metal (Note: Some of these have hazardous amounts of HE, which burn)	N/A	Propane	
02/11/2004	0.5		N/A		
02/23/2004	0.5		N/A		
03/30/2004	0.5		N/A		
03/31/2004	0.5		N/A		
04/28/2004	0.5		N/A		
04/29/2004	0.5		N/A		
05/03/2004	0.5		N/A		
05/04/2004	0.5		N/A		
05/05/2004	0.5		N/A		
05/26/2004	0.5		N/A		
05/27/2004	0.5		N/A		
06/03/2004	0.5		N/A		
Total weight of material in pounds:			0		

Flash Pad - HE Scrap					
Date of Burn	Burn Duration (Hour)	Material Type	Quantity (lb)	Fuel	
01/22/2004	0.5	HE Scrap	125	Propane	
01/27/2004	0.5		146		
01/27/2004	0.5		100		
03/01/2004	0.5		190		
03/02/2004	0.5		75		
03/09/2004	0.5		75		
03/23/2004	0.5		125		
04/07/2004	0.5		55		
04/27/2004	0.5		160		
08/16/2004	0.5		177		
08/16/2004	0.5		180		
08/17/2004	0.5		130		
08/18/2004	0.5		74		
08/19/2004	0.5		64		
Total weight of material in pounds:			1676		

Flash Pad - HE Contaminated Solvents				
Date of Burn	Burn Duration (Hour)	Material Type	Quantity (Gal.)	Fuel
02/02/2004	0.5	Solvents	2	Propane
02/03/2004	0.5		10	
04/20/2004	0.5		0.55	
Total weight of material in pounds:			12.55	

TA-16 Annual Totals:		
	Date	Amount (gal.)
Propane Deliveries:	11/10	600
Propane Total:		600 Gallons
HE Scrap:		1676 Pounds
HE Contaminated Combustibles:		269.75 Pounds
Oil/Solvent		12.55 Gallons
Permit Conditions (Annual):		
Propane:		20,000 Gallons
HE:		21,000 Pounds
Contaminated Combustibles:		5,200 Pounds
Oil/Solvents:		1,000 Gallons