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Title: Annual Fire Activity Report To NMED

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Intended for:
New Mexico Environmental Department
Air Quality Bureau
Santa Fe, NM 87505



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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,

Jean Dewart
Meteorology and Air Quality Group Leader
Environmental Stewardship Division

JD:alb

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ENV-MAQ Open Burn Log File
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TA-11 Burn Log

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Fuel Fire Testing					
Date of Burn	Burn Duration (Hour)	Material Type	Jet A or Diesel (gal)	DU (lb)	HE (lb)
None		Fuel			
Totals:	0		0	0	0
Annual			Each Burn		
5 fuel fire burns			88 lb of DU		
440 lb of DU			800 gal of Jet A/diesel		
4000 gal of Jet A/diesel			100 lb of HE		
500 lb of HE					
Annual Summary			Burn Stats (all burns)		
0 Fuel Fire burns			0 Max. DU (lb)		
0 lb of DU			0 Max. Jet A or diesel (gal)		
0 gal of Jet A/diesel			0 Max. HE (lb)		
0 lb of HE					

Wood Fire Testing					
Date of Burn	Burn Duration (Hour)	Material Type	Wood (lb)	DU (lb)	HE (lb)
None		Wood			
Totals:	0		0	0	0
Annual			Each Burn		
5 Wood Fire burns			88 lb of DU		
440 lb of DU			2000 lb of Wood		
10,000 lb of Wood			100 lb of HE		
500 lb of HE			0.5 gal of Fuel		
2.5 gal of Fuel					
Annual Summary			Burn Stats (all burns)		
0 Wood Fire burns			0 Max. DU (lb)		
0 lb of DU			0 Max. Wood (lb)		
0 lb of Wood			0 Max. HE (lb)		
0 lb of HE			0 Max. Fuel (gal)		
0 gal of Fuel					

3/10/2005
TA-11 Burn Log 2004

Data Reviewed By/Date: Spang 3/10/05

TA-14 Burn Log

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Burn Cage - HE Contaminated Waste				
Date of Burn	Burn Duration (Hour)	Material Type	Material Quantity (lb)	Fuel (gal)
None				
HE Contaminated Combustibles				
Totals:			0	0

Permit Conditions:		Summary	
Annual		Annual	
18 burns per year		0 burns	
50 lb HE Contaminated Combustibles per burn		0 lbs HE Contaminated Combustibles	
0.5 gal of fuel per burn (approx.)		Burn Stats (all burns) 0 Max. lb. HE Contaminated Combustibles 0 Max. Fuel	

TA-14 Burn Log 2004
3/10/2005

Data Reviewed By/Date: Stoy 3/10/05

TA-36 Burn Log

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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							Annual
							0 Burns
							Burn Stats (all burns)
							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 ³)	Combustible Waste Material (Lexan/Plexiglass) (lb)	Fuel (gal)		
None						Annual	
						Burns	
						Burn Stats (all burns)	
						0 Max. DU wood (m ³)	
						0 Max. Comb. Mtrl. (lb)	
						0 Max. Fuel (gal)	
Total weight of material:			0	0	0		
Permit Conditions: 8 burns per year 300 m ³ 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

3/10/2005

Reviewed By/Date: Sky 3/10/05
 TA-16 Burn Log 2004