Los Alamos
NATIONAL LABORATORY
EST.1943

Environmental Stewardship Division
Meteorology and Air Quality Group
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MAR 2005
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BUREAU

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

Cy:
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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-11 Burn Log

LA-UR-05-1600

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

Permit Conditions:		Annual Summary	Burn Stats (all burns)
Annual	**Each Burn**		
5 fuel fire burns		0 Fuel Fire burns	
440 lb of DU	88 lb of DU	0 lb of DU	0 Max. DU (lb)
4000 gal of Jet A/diesel	800 gal of Jet A/diesel	0 gal of Jet A/diesel	0 Max. Jet A or diesel (gal)
500 lb of HE	100 lb of HE	0 lb of HE	0 Max. HE (lb)

Wood Fire Testing						
Date of Burn	Burn Duration (Hour)	Material Type	Wood (lb)	DU (lb)	HE (lb)	Fuel (gal)
None		Wood				
Totals:	0		0	0	0	0

Permit Conditions:		Annual Summary	Burn Stats (all burns)
Annual	**Each Burn**		
5 Wood Fire burns		0 Wood Fire burns	
440 lb of DU	88 lb of DU	0 lb of DU	0 Max. DU (lb)
10,000 lb of Wood	2000 lb of Wood	0 lb of Wood	0 Max. Wood (lb)
500 lb of HE	100 lb of HE	0 lb of HE	0 Max. HE (lb)
2.5 gal of Fuel	0.5 gal of Fuel	0 gal of Fuel	0 Max. Fuel (gal)

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

TA-14 Burn Log

LA-UR-05-1600

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

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

TA-36 Burn Log

LA-UR-05-1600

Sled Track Area - HE Wood Waste

Date of Burn	Burn Duration (Hour)	Material Type	Wood - Combustible Waste (lb)	HE Quantity (gram)	DU Quantity (gram)	Fuel (gal)
None						
Total weight of material:			0	0	0	

Summary

Annual
0 Burns

Burn Stats (all burns)
0 Max. wood (lb)
0 Max. HE (gram)
0 Max. DU (gram)
0 Max. fuel (gal)

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

Date of Burn	Burn Duration (Hour)	Material Type	~~DU~~ Contaminated Wood (m^3)	Combustible Waste Material (Lexan/Plexiglass) (lb)	Fuel (gal)
None					
Total weight of material:			0	0	0

Summary

Annual
Burns

Burn Stats (all burns)
0 Max. DU wood (m^3)
0 Max. Comb. Mtrl. (lb)
0 Max. Fuel (gal)

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.)

Data Reviewed By/Date: 3/10/05

TA-16 Burn Log

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 - 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 - 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 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

Reviewed By/Date: [redacted] 3/10/05