

General



GARY E. JOHNSON  
GOVERNOR

State of New Mexico  
ENVIRONMENT DEPARTMENT  
DOE OVERSIGHT BUREAU  
P.O. Box 1663, MS/J-993  
Los Alamos, New Mexico 87545

MARK E. WEIDLER  
SECRETARY

April 8, 1997

Mr. Mat Johansen, LAAO AIP  
Point of Contact  
Department of Energy  
Los Alamos Area Office  
MS-A316  
Los Alamos, NM 87544

RE: Submittal of DOE OB ambient air, airborne tritium and TLD sampling data

Dear Mr. Johansen:

In order to allow DOE and LANL staff timely review of environmental monitoring data obtained by DOE OB staff, I am submitting the fourth quarter of 1996 ambient air particulate data, TLD data and airborne tritium data for a 30 working day comment period. After 30 days the data will be put into the public file and will be available for review. This submittal reflects data received to date; more data is expected to be received during 1997.

If you have any questions please call Dave Baggett of our staff at 672-0458.

Sincerely,

Stephen Yanicak, LANL POC  
Department of Energy Oversight Bureau, MS-J993

SY:db

cc: John Parker, NMED, Chief, DOE OB  
Tim Michael, NMED, Program Manager, DOE OB  
Doug Stavert, LANL, Group Leader, ESH-17, MS-J978

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LANL-ES DATA - Mixed Media

New Mexico Environment Department - DOE Oversight Bureau  
 1996 Air Particulate Monitoring Data

White Rock Fire Station

Quarter	Nuclide (aCi/m <sup>3</sup> )					
	Am-241	Pu-238	Pu-239	U-234	U-235	U-238
'96-1st	3.3	2.4	2.4	40.2	2.4	40.2
'96-2nd	2.1	4.2	0.7	32.3	4.9	29.5
'96-3rd	1.4	2.7	2.0	26.4	5.4	26.4
'96-4th	2.5	1.2	0.6	14.2	3.1	10.5

Royal Crest Trailer Park

Quarter	Nuclide (aCi/m <sup>3</sup> )					
	Am-241	Pu-238	Pu-239	U-234	U-235	U-238
'96-1st	10.2	8.5	0.0	42.5	0.0	56.7
'96-2nd	14.2	2.8	0.0	105.1	2.8	90.9
'96-3rd	6.7	13.4	6.7	86.9	13.4	53.5
'96-4th	8.3	5.5	8.3	52.5	11.1	38.7

Los Alamos McDonald's

Quarter	Nuclide (aCi/m <sup>3</sup> )					
	Am-241	Pu-238	Pu-239	U-234	U-235	U-238
'96-1st	8.5	5.3	-2.7	61.3	2.7	45.3
'96-2nd	1.4	0.0	0.7	23.9	5.1	27.5
'96-3rd	2.1	2.8	1.4	28.4	5.5	15.9
'96-4th	1.9	1.3	1.3	18.6	1.3	12.8

Los Alamos Airport

Quarter	Nuclide (aCi/m <sup>3</sup> )					
	Am-241	Pu-238	Pu-239	U-234	U-235	U-238
'96-1st	4.2	0.0	0.0	37.6	0.0	42.3
'96-2nd	2.7	0.7	4.7	21.5	2.0	14.8
'96-3rd	1.4	2.8	10.6	31.2	4.3	41.1
'96-4th	0.6	2.5	1.3	20.2	2.5	15.8

Well PM-1

Quarter	Nuclide (aCi/m <sup>3</sup> )					
	Am-241	Pu-238	Pu-239	U-234	U-235	U-238
'96-1st	NA	NA	NA	NA	NA	NA
'96-2nd	0.7	0.0	0.7	27.6	3.7	22.4
'96-3rd	0.7	2.8	1.4	19.5	4.9	19.5
'96-4th	1.9	2.5	1.2	14.3	2.5	23.6

New Mexico Environment Department  
DOE Oversight Bureau

Airborne Tritium (pCi/m<sup>3</sup>)  
1996

<u>Station</u>	<u>4th Qtr</u>
WR Fire Station	0.97
LA McDonald's	2.31
LA Airport	1.67
Well PM-1	1.74

New Mexico Environment Department  
 DOE Oversight Bureau  
 TLD Data by Station for 1996

NMED Aluminum Oxide Data (mrem)	1996			
	Station	1st	2nd	3rd
Barranca		20.7	24.3	28.8
48th Street	19.1	22.7	22.3	27.5
Shell Station		18.9	23.3	29.5
McDonald's	15.6		19.6	28.6
Airport	15.4	22.8	18.1	27.0
East Gate	21.0	24.7	25.9	31.1
Well PM-1	28.7	30.0	30.1	30.1
WR Fire Station	24.6	22.2	20.5	22.4
Nazarene Church	16.0	9.7	12.3	17.5
Pajarito Acres	20.9	21.0	20.5	29.3
Royal Crest	18.6	15.2	20.5	25.7
Santa Fe	19.3	20.2		21.9

NMED Calcium Sulfate Data (mrem)	1996			
	Station	1st	2nd	3rd
Barranca		21.2	25.2	25.5
48th Street		25.0	26.2	27.6
Shell Station		27.4	27.0	28.2
McDonald's			27.3	27.0
Airport		23.6	23.6	24.9
East Gate		27.2	27.8	30.0
Well PM-1		29.0	33.3	30.6
WR Fire Station		25.3	24.9	26.4
Nazarene Church		17.4	17.5	18.3
Pajarito Acres		25.1	24.1	24.0
Royal Crest		25.5	25.6	26.4
Santa Fe		24.2		24.6