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

GARY JOHNSON
GOVERNOR

PETE MAGGIORE
SECRETARY

PAUL R. RITZMA
DEPUTY SECRETARY

LANL General

March 13, 2001

Joe Vozella, LAAO
AIP Point of Contact
U.S. Department of Energy
Los Alamos Area Office
528 35th Street, MS A316
Los Alamos, NM 87544

RE: Release of ground-water (draft) data related to split-sampling and independent sampling at Los Alamos National Laboratory and surrounding areas during 2000

Dear Mr. Vozella:

The DOE Oversight Bureau (DOE OB) collected ground-water samples at Los Alamos National Laboratory and surrounding areas throughout 2000, and the attached preliminary data are being submitted for your thirty-day review as stated in the Agreement-in-Principle Umbrella Protocol. In addition, these data will be electronically submitted to the applicable LANL ER and ESH-18 staff early next week. After you have had the opportunity to review and comment on these data, they will be made available for release to applicable agencies thirty (30) days following your receipt of this letter. Contact me at 672-0448 if you have any questions concerning this matter.

Sincerely,

Stephen Yanicak

Steve Yanicak, Program Manager

SY:mrd

Attachments
cc: J. Parker, NMED, Chief, DOE Oversight Bureau
T. Taylor, DOE LAAO, Program Manager, EM/ER, MS A316
S. Rae, LANL, LANL, ESH-18/Group Leader, MS K497
J. Canepa, LANL, ER Project Manager, MS M992

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DOE OVERSIGHT BUREAU

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Table 1 - NMED DOE Oversight Bureau Ground-Water Quality Results: General Chemistry.

STATION ID	LAB	T/F	Date	Ca (mg/L)	Mg (mg/L)	K (mg/L)	Na (mg/L)	Cl (mg/L)	Br (mg/L)	F (mg/L)	CO_3 (mg/L)	HCO_3 (mg/L)	SO_4 (mg/L)	FIELD pH (S.U.)	FIELD SC (uS/cm)	FIELD TDS (ppm)	TEMP. (°C)
WELLS / BOREHOLES																	
DEEP/REGIONAL AQUIFER																	
Los Alamos Canyon Watershed																	
TW - 1			5/2/00	See Additional Tables			NA	NA	NA	NA	NA	NA	NA	7.92	NA	NA	14.9
			9/12/00	See Additional Tables			NA	NA	NA	NA	NA	NA	NA	6.46	465	224	13.5
TW - 2			5/3/00	See Additional Tables			NA	NA	NA	NA	NA	NA	NA	7.48	124	60	17.2
			9/12/00	See Additional Tables			NA	NA	NA	NA	NA	NA	NA	7.60	144	70	13.1
TW - 3			5/3/00	See Additional Tables			NA	NA	NA	NA	NA	NA	NA	7.39	165	81	21.3
			9/27/00	See Additional Tables			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TW - 4			5/2/00	See Additional Tables			NA	NA	NA	NA	NA	NA	NA	8.03	NA	NA	13.3
			9/12/00	See Additional Tables			NA	NA	NA	NA	NA	NA	NA	7.66	149	73	NA
Mortandad Canyon Watershed																	
TW - 8			5/2/00	See Additional Tables			NA	NA	NA	NA	NA	NA	NA	7.68	NA	NA	21.3
			9/13/00	See Additional Tables			NA	NA	NA	NA	NA	NA	NA	7.54	130	69	20.9
Pajarito Canyon Watershed																	
R-22			9/30/00	See Additional Tables			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
			9/30/00	See Additional Tables			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ancho Canyon Watershed																	
DT-5A			10/26/00	See Additional Tables			NA	NA	NA	NA	NA	NA	NA	6.90	102	NA	21.1
DT-10			10/27/00	See Additional Tables			NA	NA	NA	NA	NA	NA	NA	7.34	130	NA	19.1

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STATION ID	LAB	T/F	Date	Ca (mg/L)	Mg (mg/L)	K (mg/L)	Na (mg/L)	Cl (mg/L)	Br (mg/L)	F (mg/L)	CO_3 (mg/L)	HCO_3 (mg/L)	SO_4 (mg/L)	FIELD pH (S.U.)	FIELD SC (uS/cm)	FIELD TDS (ppm)	TEMP. (°C)
INTERMEDIATE AQUIFER																	
Los Alamos Canyon Watershed																	
POI - 4	PIN	F	7/19/00	42	11.0	6.8	47	38	<0.5	0.55	<2	147	NA	8.32	512	250	14.2
	PIN	T	7/19/00	41	10.0	9.5	41	NA	NA	NA	NA	NA	20.00	-	-	-	-
TW - 1A			7/25/00	See Additional Tables			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TW - 2A			7/25/00	See Additional Tables			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ancho Canyon Watershed																	
R - 31 (545')			1/22/00	See Additional Tables			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
R - 31 (625')			1/23/00	See Additional Tables			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PERCHED AQUIFER																	
Los Alamos Canyon Watershed																	
LAO-2	PAR	F	6/26/00	16	4.3	4.9	30	30	<0.2	0.89	<5	73	6.80	6.98	250	122	11.0
	PAR	T	6/26/00	16	4.3	5.0	29	NA	NA	NA	NA	NA	NA	-	-	-	-
			6/26/00	See Additional Tables			NA	NA	NA	NA	NA	NA	NA	-	-	-	-
LAO-3A	PAR	F	6/26/00	15	3.5	5.4	30	30	<0.2	0.89	<5	84	6.80	6.65	241	118	11.2
	PAR	T	6/26/00	15	3.5	5.4	30	NA	NA	NA	NA	NA	NA	-	-	-	-
			6/26/00	See Additional Tables			NA	NA	NA	NA	NA	NA	NA	-	-	-	-
Mortandad Canyon Watershed																	
MCO - 2	PIN	F	7/17/00	32	7.8	4.0	43	10	NA	1.53	<2	166	<5	6.71	381	186	15.3
	PIN	T	7/17/00	28	7.0	5.4	42	NA	NA	NA	NA	NA	NA	-	-	-	-
MCO - 3	PIN	F	7/17/00	35	1.8	4.6	110	10	NA	1.31	<2	260	18	7.17	528	256	15.8
	PIN	T	7/17/00	31	1.8	8.8	106	NA	NA	NA	NA	NA	NA	-	-	-	-
MCO - 6			7/10/00	See Additional Tables			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 1 - NMED DOE Oversight Bureau Ground-Water Quality Results: General Chemistry.

STATION ID	LAB	T/F	Date	Ca (mg/L)	Mg (mg/L)	K (mg/L)	Na (mg/L)	Cl (mg/L)	Br (mg/L)	F (mg/L)	CO_3 (mg/L)	HCO_3 (mg/L)	SO_4 (mg/L)	FIELD pH (S.U.)	FIELD SC (uS/cm)	FIELD TDS (ppm)	TEMP. (°C)
MCO - 7			7/10/00	See Additional Tables			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MCO - 7.5B			7/10/00	See Additional Tables			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LOS ALAMOS COUNTY																	
WATER SUPPLY																	
Los Alamos Canyon Watershed																	
GR - 3			8/3/00	See Additional Tables			NA	NA	NA	NA	NA	NA	NA	7.90	166	81	27.9
Otowi - 1			6/21/00	See Additional Tables			NA	NA	NA	NA	NA	NA	NA	7.76	211	103	28.0
	(first purge)		8/3/00	See Additional Tables			NA	NA	NA	NA	NA	NA	NA	7.80	223	108	26.0
	(post purge)		8/3/00	See Additional Tables			NA	NA	NA	NA	NA	NA	NA	7.97	224	109	26.5
			8/14/00	See Additional Tables			NA	NA	NA	NA	NA	NA	NA	7.69	226	110	26.9
Otowi - 4			8/14/00	See Additional Tables			NA	NA	NA	NA	NA	NA	NA	7.06	257	125	29.5
Mortandad Canyon Watershed																	
PM - 4			8/3/00	See Additional Tables			NA	NA	NA	NA	NA	NA	NA	7.50	148	72	27.7
			8/14/00	See Additional Tables			NA	NA	NA	NA	NA	NA	NA	6.96	148	72	27.4
PM - 5			8/14/00	See Additional Tables			NA	NA	NA	NA	NA	NA	NA	7.06	NA	NA	21.8
Pajarito Canyon Watershed																	
PM - 2			8/14/00	See Additional Tables			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sandia Canyon Watershed																	
PM - 1			8/14/00	See Additional Tables			NA	NA	NA	NA	NA	NA	NA	7.48	268	131	26.6

Table 1 - NMED DOE Oversight Bureau Ground-Water Quality Results: General Chemistry.

STATION ID	LAB	T/F	Date	Ca (mg/L)	Mg (mg/L)	K (mg/L)	Na (mg/L)	Cl (mg/L)	Br (mg/L)	F (mg/L)	CO_3 (mg/L)	HCO_3 (mg/L)	SO_4 (mg/L)	FIELD pH (S.U.)	FIELD SC (uS/cm)	FIELD TDS (ppm)	TEMP. (°C)
SPRINGS																	
Los Alamos Canyon Watershed																	
LA - 11.2 Spring	PAR		6/21/00	NA	NA	NA	NA	4.2	<0.2	0.36	<5	74	3.3	7.64	153	75	16.1
DP Spring	PAR	F	6/26/00	18	1.8	9.5	26	30	<0.2	0.89	<5	73	6.8	7.29	242	118	13.3
	PAR	T	6/26/00	17	1.8	9.5	26	NA	NA	NA	NA	NA	NA	-	-	-	-
Los Alamos Spring	PIN	F	7/25/00	31	7.4	3.2	16	19	<0.5	1.16	<2	90	34.0	7.21	348	169	12.1
Basalt Spring			7/25/00	See Additional Tables			NA	NA	NA	NA	NA	NA	NA	6.87	517	251	7.2
Young Spring			8/31/00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.34	96	47	13.0
LA-5.19 Spring	PAR	F	11/21/00	13	3.6	5.3	26	26	0.92	0.7	<20	72	15	6.74	259	126	7.9
Pajarito Canyon Watershed																	
PC Spring	PAR	F	5/2/00	5.9	2.5	2.1	3.8	0.65	<0.2	<0.1	<5	43	2.3	6.92	73	NA	5.0
	PAR	T	5/2/00	5.9	2.5	2.1	3.8	NA	NA	NA	NA	NA	NA	-	-	-	-
Homestead Spring	PAR	F	6/15/00	20	6.8	3.3	10	7.5	<0.2	<0.1	<5	77	21	6.54	195	95	15.0
	PAR	T	6/15/00	20	6.9	3.2	9.7	NA	NA	NA	NA	NA	NA	-	-	-	-
	PIN	F	7/21/00	34	12.0	4.0	12.0	11	<0.5	0.18	<2	141	13	5.98	308	151	10.1
	PAR	F	11/15/00	19	6.5	3.7	12	18	<0.2	<0.1	<20	71	13	6.88	228	111	8.4
Charlie's Spring	PAR	F	6/15/00	20	6.8	3.3	10	25	<0.2	0.11	<5	95	24	6.69	292	142	18.6
	PAR	T	6/15/00	28	8.6	3.6	19	NA	NA	NA	NA	NA	NA	-	-	-	-
	PAR	F	11/15/00	29	9	5	27	50	<0.2	<0.1	<20	76	36	7.26	413	202	8.3
Starmer Spring	PAR,PIN	F	6/15/00	20	6.8	3.3	10	12	<0.2	<0.1	<5	97	24	6.78	254	124	19.0
	PAR	T	6/15/00	27	8.8	3.8	12	NA	NA	NA	NA	NA	NA	-	-	-	-
	PIN	F	7/21/00	37	13.0	3.0	16	17	<0.5	0.16	<2	149	15	6.18	370	180	9.0
	PAR	F	11/15/00	25	7.8	4.4	19	35	<0.2	<0.1	<20	76	24	6.99	324	158	8.1

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STATION ID	LAB	T/F	Date	Ca (mg/L)	Mg (mg/L)	K (mg/L)	Na (mg/L)	Cl (mg/L)	Br (mg/L)	F (mg/L)	CO_3 (mg/L)	HCO_3 (mg/L)	SO_4 (mg/L)	FIELD pH (S.U.)	FIELD SC (uS/cm)	FIELD TDS (ppm)	TEMP. (°C)
Bulldog Spring	PAR,PIN	F	6/15/00	19	4.9	3.1	21	17	<0.2	0.30	<5	82	13	7.47	231	113	21.6
	PAR	T	6/15/00	19	5.0	3.1	21	NA	NA	NA	NA	NA	NA	-	-	-	-
	PIN	F	7/21/00	21	5.5	<2.0	26	18	<0.5	0.46	<2	102	13	7.17	178	136	10.6
	PAR	F	11/15/00	21	5.7	3.7	22	21	<0.2	0.27	<20	86	14	7.80	284	138	9.6
Kieling Spring	PAR,PIN	F	6/15/00	23	6.1	3.4	20	19	<0.2	0.19	<5	88	17	6.87	250	123	22.3
	PAR	T	6/15/00	23	6.2	3.4	20	NA	NA	NA	NA	NA	NA	-	-	-	-
TA - 18 Spring	PIN	F	8/4/00	19	5.3	6.6	15	18	<0.5	0.44	<2	40	38	6.89	171	79	19.6
Anderson Spring			7/13/00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	127	62	11.6
			8/31/00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.72	151	74	11.9
Water Canyon Watershed																	
American Spring			11/29/00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.47	134	66	7.3
Armstead Spring			11/29/00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.19	135	65	6.8
WCG Spring			8/15/00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.96	98	48	12.2
White Rock Canyon																	
Ancho Spring			4/10/00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.93	118	65	18.4
			9/26/00	See Additional Tables			NA	NA	NA	NA	NA	NA	NA	7.16	141	68	20.7
Doe Spring			4/11/00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.42	113	62	16.1*
			9/27/00	See Additional Tables			NA	NA	NA	NA	NA	NA	NA	NA	122	NA	14*
Sandia Spring	PIN	F	9/25/00	NA	NA	NA	NA	64	<0.5	0.70	<2	183	<2	7.26	249	128	14.4*
Spring 1			9/25/00	See Additional Tables			NA	NA	NA	NA	NA	NA	NA	NA	196	NA	17.0
Spring 2			9/25/00	See Additional Tables			NA	NA	NA	NA	NA	NA	NA	NA	213	NA	13*
Spring 3			4/6/00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.99	189	104	19.3
			9/25/00	See Additional Tables			NA	NA	NA	NA	NA	NA	NA	7.65	224	109	19.3

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STATION ID	LAB	T/F	Date	Ca (mg/L)	Mg (mg/L)	K (mg/L)	Na (mg/L)	Cl (mg/L)	Br (mg/L)	F (mg/L)	CO_3 (mg/L)	HCO_3 (mg/L)	SO_4 (mg/L)	FIELD pH (S.U.)	FIELD SC (uS/cm)	FIELD TDS (ppm)	TEMP. (°C)
Spring 3A			4/6/00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.96	172	94	19.9
			9/25/00	See Additional Tables			NA	NA	NA	NA	NA	NA	NA	7.55	200	97	20.1
Spring 3AA			4/6/00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.38	155	85	18.7
Spring 4			4/6/00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.98	195	106	15.7
			9/25/00	See Additional Tables			NA	NA	NA	NA	NA	NA	NA	7.09	226	110	16.8
Spring 4A			4/7/00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.43	181	99	20.3
Spring 4AA			4/7/00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.11	189	103	17.2
Spring 4B			4/7/00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.87	234	129	16.0
Spring 4C			4/6/00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.32	194	106	16.8
			4/7/00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.05	192	105	16.8
Spring 5			4/7/00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.33	165	91	20.9
Spring 5A			9/26/00	See Additional Tables			NA	NA	NA	NA	NA	NA	NA	NA	208	NA	20.2
Spring 6			4/10/00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.13	126	69	19.7
			9/26/00	See Additional Tables			NA	NA	NA	NA	NA	NA	NA	NA	123	NA	20.3
Spring 6A			4/10/00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.57	139	77	20.9
	PIN	F	9/26/00	14.2	2.5	2.3	16.3	29	<0.5	0.45	<2	84	<2	NA	131	NA	21.5
Spring 7	PIN	F	9/26/00	16.5	3.3	2.9	18.1	3	<0.5	0.38	<2	92	<2	NA	179	NA	20.9
Spring 8A			4/10/00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.80	116	63	16.1*
			9/26/00	See Additional Tables			NA	NA	NA	NA	NA	NA	NA	NA	136	NA	17.7*
Spring 8B			4/10/00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.67	105	58	20.3
Spring 9			4/11/00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.12	113	62	17.8
Spring 9A			4/11/00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.69	114	62	19.8
			9/27/00	See Additional Tables			NA	NA	NA	NA	NA	NA	NA	7.17	139	68	19.3

Table 1 - NMED DOE Oversight Bureau Ground-Water Quality Results: General Chemistry.

STATION ID	LAB	T/F	Date	Ca (mg/L)	Mg (mg/L)	K (mg/L)	Na (mg/L)	Cl (mg/L)	Br (mg/L)	F (mg/L)	CO_3 (mg/L)	HCO_3 (mg/L)	SO_4 (mg/L)	FIELD pH (S.U.)	FIELD SC (uS/cm)	FIELD TDS (ppm)	TEMP. (°C)
Spring 9B			4/11/00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.92	114	56	12.2*
Spring 9C	PIN	F	9/27/00	13.2	3.5	2.5	11.1	7	<0.5	0.66	<2	110	<2	7.22	161	78	16.8
Spring 10			4/11/00	Dry													
Other Springs/Misc.																	
Sacred Spring	PIN	F	7/25/00	26	1.3	<2.0	21	<5	<0.5	0.65	<2	115	8	7.01	241	117	15.6*

1 - sample not recieved at contract laboratory at 4 +/- 2 degrees celsius
PAR - Paragon Analytics, Inc.
PIN - Pinnacle Laboratories, Inc.
*** - Temperature may not represent true ground-water temperature due to low-flow conditions**
TDS - Total dissolved solids
SC - Specific conductance
NA - Not analyzed or not available
T - Non-filtered sample preserved with nitric acid prior to analysis (Totals)
F - Dissolved fraction less than 0.45 micron, and preserved with nitric acid prior to analysis (Filtered)
§ - Holding Times Broken
Note: Bolded sample stations are Cerro Grande fire related.

Table 2 - NMED DOE Oversight Bureau Ground-Water Quality Results: Non-metallic Inorganics, Total Dissolved Solids, etc.

STATION ID	LAB	T/F	Date	ClO4 (ug/L)	TOTAL PHOS (mg/L)	NO2-NO3 AS N (mg/L)	TKN (mg/L)	NH3 (mg/L)	TOTAL CN (mg/L)	AMEN. CN (mg/L)	TOC mg/L	TDS (mg/L)	TSS (mg/L)
WELLS/BOREHOLES													
DEEP/REGIONAL AQUIFER													
Los Alamos Canyon Watershed													
TW - 1	PIN	T	5/2/00	<5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
	PIN	T	9/12/00	<5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
TW - 2	PIN	T	5/3/00	<5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
	PIN	T	9/12/00	<5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
TW - 3	PIN	T	5/3/00	<5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
TW - 4	PIN	T	5/2/00	<5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
	PIN	T	9/12/00	<5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mortandad Canyon Watershed													
TW - 8	PIN	T	5/2/00	<5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
	PIN	T	9/13/00	<5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
INTERMEDIATE AQUIFER													
Los Alamos Canyon Watershed													
POI - 4	PIN	F	7/19/00	NA	NA	NA	NA	NA	NA	NA	NA	329	NA
	PIN	T	7/19/00	<5.00	3.89	4.34	<0.5	<0.05	<0.005	NA	NA	NA	<5
TW - 1A	PIN	T	7/25/00	<5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
TW - 2A	PIN	T	7/25/00	<5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
PERCHED AQUIFER													
Los Alamos Canyon Watershed													
LAO-2	PAR	F	6/26/00	NA	0.24	1.30	NA	<0.5	NA	NA	NA	240	NA
	PIN	T	6/26/00	<5.00	NA	NA	NA	NA	<0.01	NA	<1	NA	<20
LAO-3A	PAR	F	6/26/00	NA	0.25	1.10	NA	<0.5	<0.01	NA	NA	220	NA
	PIN	T	6/26/00	<5.00	NA	NA	NA	NA	NA	NA	<1	NA	<20
Mortandad Canyon Watershed													
MCO - 2	PIN	F	7/17/00	NA	1.68	<0.05	NA	<0.05	NA	NA	NA	279	NA
	PIN	T	7/17/00	<5.00	1.35	<0.05	NA	<0.05	<0.005	NA	NA	NA	<5
MCO - 3	PIN	F	7/17/00	NA	0.69	3.33	NA	<0.05	NA	NA	NA	346	NA
	PIN	T	7/17/00	144	1.74	3.19	NA	<0.05	<0.005	NA	NA	NA	<5
MCO - 6	PIN	T	7/10/00	265	NA	NA	NA	NA	NA	NA	NA	NA	NA
MCO - 7	PIN	T	7/10/00	297	NA	NA	NA	NA	NA	NA	NA	NA	NA
MCO - 7.5B	PIN	T	7/10/00	239	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 2 - NMED DOE Oversight Bureau Ground-Water Quality Results: Non-metallic Inorganics, Total Dissolved Solids, etc.

STATION ID	LAB	T/F	Date	ClO4 (ug/L)	TOTAL PHOS (mg/L)	NO2-NO3 AS N (mg/L)	TKN (mg/L)	NH3 (mg/L)	TOTAL CN (mg/L)	AMEN. CN (mg/L)	TOC mg/L	TDS (mg/L)	TSS (mg/L)
LOS ALAMOS COUNTY													
WATER SUPPLY													
Los Alamos Canyon Watershed													
Otowi - 1	PAR,PIN	T	6/21/00	**<5.00**	**0.04**	**1.23**	NA	**<0.05**	NA	NA	NA	NA	NA
(first purge)	PIN	T	8/3/00	<5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
(post purge)	PIN	T	8/3/00	<5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
	PIN	T	8/14/00	<5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
GR - 3	PIN	T	8/3/00	<5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
Otowi - 4	PIN	T	8/14/00	<5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mortandad Canyon Watershed													
PM - 4	PIN	T	8/3/00	<5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
	PIN	T	8/14/00	<5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
PM - 5	PIN	T	8/14/00	<5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pajarito Canyon Watershed													
PM - 2	PIN	T	8/14/00	<5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sandia Canyon Watershed													
PM - 1	PIN	T	8/14/00	<5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
SPRINGS													
Los Alamos Canyon Watershed													
LA - 11.2 Spring	PAR	T	6/21/00	NA	0.1	0.35	NA	<0.51	<0.01	NA	NA	NA	NA
DP Spring	PAR	F	6/26/00	NA	NA	NA	NA	NA	NA	NA	NA	170	NA
	PAR, PIN	T	6/26/00	**<5.00**	0.14	1.40	NA	1.2	<0.01	NA	2	NA	<20
Los Alamos Spring	PIN	F	7/25/00	NA	NA	NA	NA	NA	NA	NA	NA	245	NA
	PIN	T	7/25/00	<5.00	0.12	2.60	<0.5	<0.05	<0.005	NA	NA	NA	<5
Basalt Spring	PIN	T	7/25/00	<5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
LA-5.19 Spring	PAR	F	11/21/00	NA	0.074	<0.1	<0.5	<0.5	NA	NA	NA	180	NA
	PAR	T	11/21/00	<5.00	0.11	<0.1	<0.5	<0.5	0.014	<0.01	4	NA	20
Pajarito Canyon Watershed													
PC Spring	PAR	F	5/2/00	NA	NA	NA	NA	NA	NA	NA	NA	60	NA
	PAR,PIN	T	5/2/00	**<5.00**	<0.05	0.16	<1.0	<0.1	NA	NA	**1.3**	NA	<20

Table 2 - NMED DOE Oversight Bureau Ground-Water Quality Results: Non-metallic Inorganics, Total Dissolved Solids, etc.

STATION ID	LAB	T/F	Date	ClO4 (ug/L)	TOTAL PHOS (mg/L)	NO2-NO3 AS N (mg/L)	TKN (mg/L)	NH3 (mg/L)	TOTAL CN (mg/L)	AMEN. CN (mg/L)	TOC mg/L	TDS (mg/L)	TSS (mg/L)
Homestead Spring	PAR	F	6/15/00	NA	NA	NA	NA	NA	NA	NA	NA	160	NA
	PAR,PIN	T	6/15/00	**<5.00**	<0.05	0.22	0.7	<0.5	NA	NA	**5.6**	NA	<20
	PIN	F	7/21/00	NA	NA	NA	NA	NA	NA	NA	NA	217	NA
	PIN	T	7/21/00	NA	0.12	0.48	<0.5	<0.05	<0.005	NA	NA	NA	<5
	PAR	F	11/15/00	NA	0.061	0.41	<1.0	<0.5	NA	NA	NA	155	NA
	PAR	T	11/15/00	NA	0.056	0.39	<1.0	<0.5	0.015	<0.01	4.4	NA	37
Charlie's Spring	PAR	F	6/15/00	NA	NA	NA	NA	NA	NA	NA	NA	210	NA
	PAR,PIN	T	6/15/00	**<5.00**	0.084	0.55	0.8	<0.5	NA	NA	**6.1**	NA	100
	PAR	F	11/15/00	NA	<0.05	0.45	<1.0	<0.5	NA	NA	NA	250	NA
	PAR	T	11/15/00	NA	0.051	0.44	<1.0	<0.5	0.019	<0.01	8.2	NA	<20
Starmer Spring	PAR	F	6/15/00	NA	NA	NA	NA	NA	NA	NA	NA	190	NA
	PAR,PIN	T	6/15/00	**<5.00**	0.064	0.23	<0.5	<0.5	NA	NA	**6.8**	NA	<20
	PIN	F	7/21/00	NA	NA	NA	NA	NA	NA	NA	NA	235	NA
	PIN	T	7/21/00	NA	0.25	0.63	0.54	<0.05	<0.005	NA	NA	NA	<5
	PAR	F	11/15/00	NA	<0.05	0.40	<1.0	<0.5	NA	NA	NA	210	NA
	PAR	T	11/15/00	NA	<0.05	0.39	0.5	<0.5	0.029	<0.01	5.3	NA	<20
Bulldog Spring	PAR	F	6/15/00	NA	NA	NA	NA	NA	NA	NA	NA	180	NA
	PAR,PIN	T	6/15/00	**<5.00**	0.097	1.00	0.8	<0.5	NA	NA	**1.4**	NA	<20
	PIN	F	7/21/00	NA	NA	NA	NA	NA	NA	NA	NA	197	NA
	PIN	T	7/21/00	NA	0.25	1.12	<0.5	<0.05	<0.005	NA	NA	NA	<5
	PAR	F	11/15/00	NA	0.066	1.10	<1.0	<0.5	NA	NA	NA	190	NA
	PAR	T	11/15/00	NA	0.067	1.10	0.5	<0.5	0.017	<0.01	3.6	NA	<20
Kieling Spring	PAR	F	6/15/00	NA	NA	NA	NA	NA	NA	NA	NA	190	NA
	PAR,PIN	T	6/15/00	**<5.00**	0.11	0.99	0.6	<0.5	NA	NA	**3.5**	NA	<20
TA - 18 Spring	PIN	F	8/4/00	NA	NA	NA	NA	NA	NA	NA	NA	166	NA
	PIN	T	8/4/00	<5.00	2.85	<0.05	1.28	0.12	<0.005	NA	5.1	NA	420
White Rock Canyon													
Ancho Spring	PIN	T	9/26/00	<5.00	0.039	0.39	NA	<0.5	<0.002	NA	NA	NA	NA
Sandia Spring	PIN	F	9/25/00	NA	NA	NA	NA	NA	NA	NA	NA	294	NA
	PIN	T	9/25/00	<5.00	0.13	<0.05	<10	<0.5	NA	NA	NA	NA	<2
Spring 1	PIN	T	9/25/00	<5.00	<0.002	0.35	NA	NA	NA	NA	NA	NA	NA
Spring 6A	PIN	F	9/26/00	NA	NA	NA	NA	NA	NA	NA	NA	222	NA
	PIN	T	9/26/00	<5.00	<0.1	0.40	<10	<0.5	NA	NA	NA	NA	2
Spring 7	PIN	F	9/26/00	NA	NA	NA	NA	NA	NA	NA	NA	230	NA
	PIN	T	9/26/00	<5.00	0.2	0.42	<10	<0.5	NA	NA	NA	NA	<2
Spring 9A	PIN	F	9/27/00	<5.00	0.032	0.27	NA	<0.5	NA	NA	NA	NA	NA
Spring 9C	PIN	F	9/27/00	NA	NA	NA	NA	NA	NA	NA	NA	298	NA
	PIN	T	9/27/00	<5.00	0.2	<0.05	<10	<0.5	NA	NA	NA	NA	<2

Table 2 - NMED DOE Oversight Bureau Ground-Water Quality Results: Non-metallic Inorganics, Total Dissolved Solids, etc.

STATION ID	LAB	T/F	Date	ClO4 (ug/L)	TOTAL PHOS (mg/L)	NO2-NO3 AS N (mg/L)	TKN (mg/L)	NH3 (mg/L)	TOTAL CN (mg/L)	AMEN. CN (mg/L)	TOC mg/L	TDS (mg/L)	TSS (mg/L)
Other Springs/Misc.													
Sacred Spring	PIN	F	7/25/00	NA	NA	NA	NA	NA	NA	NA	NA	176	NA
	PIN	T	7/25/00	<5.00	0.09	0.37	<0.5	<0.05	<0.005	NA	NA	NA	5

1 - sample not recieved at contract laboratory at 4 +/- 2 degrees celsius
PAR - Paragon Analytics, Inc.
PIN - Pinnacle Laboratories, Inc.
NA - Not analyzed or not available
T - results from a preserved non-filtered sample and/or an unpreserved non-filtered sample.
F - results from a filtered and preserved sample and/or an unpreserved filtered sample.
§ - Holding Times Broken
ClO4 - Perclorate
TOTAL PHOS - Total Phosphate as Phosphorous
NO2-NO3 AS N - Nitrate/Nitrite as Nitrogen
TKN - Total kjeldahl nitrogen
NH3 - Ammonia
TOTAL CN - Total Cyanide
AMEN. CN - Amenable Cyanide
TOC - Total Organic Carbon
TDS - Total dissolved solids
TSS - Total suspended solids
Note: Bolded sample stations are Cerro Grande fire related.

Table 3 - NMED DOE Oversight Bureau Ground-Water Quality Results: Dissolved and Total Trace Metals, Silver through Mercury.

STATION ID	LAB	T/F	Date	Ag (mg/L)	Al (mg/L)	As (mg/L)	B (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)	Hg (mg/L)
WELLS/BOREHOLES															
INTERMEDIATE AQUIFER															
Los Alamos Canyon Watershed															
POI - 4	PIN	F	7/19/00	<0.01	<0.1	0.005	NA	0.09	<0.0005	<0.0005	<0.02	<0.02	<0.01	0.05	<0.0002
	PIN	T	7/19/00	<0.01	<0.1	0.005	NA	0.09	<0.0005	<0.0005	<0.02	<0.01	0.011	0.07	<0.0002
PERCHED AQUIFER															
Los Alamos Canyon Watershed															
LAO - 2	PAR	F	6/26/00	<0.01	<0.2	<0.01	<0.1	<0.1	<0.005	<0.005	<0.01	<0.01	<0.01	0.21	< 0.0002
	PAR	T	6/26/00	<0.01	0.34	<0.01	<0.1	<0.1	<0.005	<0.005	<0.01	<0.01	<0.01	0.29	< 0.0002
LAO - 3A	PAR	F	6/26/00	<0.01	0.28	<0.01	<0.1	<0.1	<0.005	<0.005	<0.01	<0.01	<0.01	0.26	< 0.0002
	PAR	T	6/26/00	<0.01	0.33	<0.01	<0.1	<0.1	<0.005	<0.005	<0.01	<0.01	<0.01	0.28	< 0.0002
Mortandad Canyon Watershed															
MCO - 2	PIN	F	7/17/00	<0.01	<0.1	0.022	NA	0.18	<0.0005	<0.0005	<0.02	<0.02	<0.01	16.70	< 0.0002
	PIN	T	7/17/00	<0.01	0.35	0.013	NA	0.17	<0.0005	<0.0005	<0.02	<0.02	<0.01	15.50	< 0.0002
MCO - 3	PIN	F	7/17/00	<0.01	0.24	<0.003	NA	0.28	<0.0005	<0.0005	<0.02	<0.02	<0.01	0.10	< 0.0002
	PIN	T	7/17/00	<0.01	1.41	<0.003	NA	0.27	<0.0005	<0.0005	<0.02	<0.02	<0.01	0.72	< 0.0002
LOS ALAMOS COUNTY															
WATER SUPPLY															
Los Alamos Canyon Watershed															
Otowi 1	PIN	F	8/14/00	NA	NA	<0.003	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mortandad Canyon Watershed															
PM - 4	PIN	F	8/14/00	NA	NA	<0.003	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 3 - NMED DOE Oversight Bureau Ground-Water Quality Results: Dissolved and Total Trace Metals, Silver through Mercury.

STATION ID	LAB	T/F	Date	Ag (mg/L)	Al (mg/L)	As (mg/L)	B (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)	Hg (mg/L)
PM - 5	PIN	F	8/14/00	NA	NA	<0.003	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pajarito Canyon Watershed															
PM - 2	PIN	F	8/14/00	NA	NA	<0.003	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sandia Canyon Watershed															
PM - 1	PIN	F	8/14/00	NA	NA	<0.003	NA	NA	NA	NA	NA	NA	NA	NA	NA
SPRINGS															
Los Alamos Canyon Watershed															
DP Spring	PAR	F	6/26/00	<0.01	<0.2	<0.01	<0.1	<0.1	<0.005	<0.005	<0.01	<0.01	<0.01	0.19	< 0.0002
	PAR	T	6/26/00	<0.01	0.24	<0.01	<0.1	<0.1	<0.005	<0.005	<0.01	<0.01	<0.01	0.18	< 0.0002
Los Alamos Spring	PIN	F	7/25/00	<0.01	<0.1	<0.003	<0.05	0.04	<0.0005	<0.0005	<0.02	<0.01	<0.01	<0.04	<0.0002
LA-5.19 Spring	PAR	F	11/21/00	<0.01	0.5	<0.01	<0.1	<0.1	<0.005	<0.005	<0.01	<0.01	<0.01	0.25	< 0.0002
Pajarito Canyon Watershed															
PC Spring	PAR	F	5/2/00	<0.01	NA	<0.01	<0.1	<0.1	NA	<0.005	<0.01	NA	NA	NA	< 0.0002
	PAR	T	5/2/00	<0.01	NA	<0.01	<0.1	<0.1	NA	<0.005	<0.01	NA	NA	NA	< 0.0002
Homestead Spring	PAR	F	6/15/00	<0.01	<0.2	<0.01	NA	<0.1	<0.005	<0.005	<0.01	<0.01	<0.01	0.12	< 0.0002
	PAR	T	6/15/00	<0.01	<0.2	<0.01	NA	<0.1	<0.005	<0.005	<0.01	<0.01	<0.01	<0.1	< 0.0002
	PIN	F	7/21/00	<0.01	<0.1	<0.003	<0.05	0.10	<0.0005	<0.0005	<0.02	<0.02	<0.01	<0.04	<0.0002
	PAR	F	11/15/00	<0.01	0.29	<0.01	<0.1	<0.1	<0.005	<0.005	<0.01	<0.01	<0.01	0.18	<0.0002
Charlie's Spring	PAR	F	6/15/00	<0.01	<0.2	<0.01	NA	<0.1	<0.005	<0.005	<0.01	<0.01	<0.01	0.12	< 0.0002
	PAR	T	6/15/00	<0.01	<0.2	<0.01	NA	<0.1	<0.005	<0.005	<0.01	<0.01	<0.01	<0.1	< 0.0002
	PAR	F	11/15/00	<0.01	<0.2	<0.01	<0.1	0.12	<0.005	<0.005	<0.01	<0.01	<0.01	<0.1	<0.0002

Table 3 - NMED DOE Oversight Bureau Ground-Water Quality Results: Dissolved and Total Trace Metals, Silver through Mercury.

STATION ID	LAB	T/F	Date	Ag (mg/L)	Al (mg/L)	As (mg/L)	B (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)	Hg (mg/L)
Starmer Spring	PAR	F	6/15/00	<0.01	<0.2	<0.01	NA	<0.1	<0.005	<0.005	<0.01	<0.01	<0.01	0.12	< 0.0002
	PAR	T	6/15/00	<0.01	<0.2	<0.01	NA	<0.1	<0.005	<0.005	<0.01	<0.01	<0.01	0.11	< 0.0002
	PIN	F	7/21/00	<0.01	<0.1	<0.003	<0.05	0.10	<0.0005	<0.0005	<0.02	<0.02	<0.01	<0.04	<0.0002
	PAR	F	11/15/00	<0.01	<0.2	<0.01	<0.1	<0.1	<0.005	<0.005	<0.01	<0.01	<0.01	0.13	<0.0002
Bulldog Spring	PAR	F	6/15/00	<0.01	<0.2	<0.01	NA	<0.1	<0.005	<0.005	<0.01	<0.01	<0.01	<0.1	< 0.0002
	PAR	T	6/15/00	<0.01	<0.2	<0.01	NA	<0.1	<0.005	<0.005	<0.01	<0.01	<0.01	0.19	< 0.0002
	PIN	F	7/21/00	<0.01	<0.1	<0.003	<0.05	0.07	<0.0005	<0.0005	<0.02	<0.02	<0.01	<0.04	<0.0002
	PAR	F	11/15/00	<0.01	<0.2	<0.01	<0.1	<0.1	<0.005	<0.005	<0.01	<0.01	<0.01	<0.1	<0.0002
Kieling Spring	PAR	F	6/15/00	<0.01	<0.2	<0.01	NA	<0.1	<0.005	<0.005	<0.01	<0.01	<0.01	<0.1	< 0.0002
	PAR	T	6/15/00	<0.01	<0.2	<0.01	NA	<0.1	<0.005	<0.005	<0.01	<0.01	<0.01	<0.1	< 0.0002
TA - 18 Spring	PIN	F	8/4/00	<0.01	2.7	<0.003	NA	0.10	<0.0005	<0.0005	<0.02	<0.01	0.012	14.2	< 0.0002
White Rock Canyon															
Spring 6A	PIN	F	9/26/00	<0.00006	0.005	0.002	0.023	0.02	<0.0001	<0.00004	0.003	<0.00004	0.00021	<0.005	<0.00003
	PIN	T	9/26/00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.002
Spring 7	PIN	F	9/26/00	<0.00006	0.001	0.002	0.026	0.03	<0.0001	<0.00004	0.003	<0.00004	0.00067	<0.005	<0.00003
	PIN	T	9/26/00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.002
Spring 9C	PIN	F	9/27/00	<0.00006	0.006	0.002	0.014	0.01	<0.0001	<0.00004	0.001	0.00005	0.00057	0.014	<0.00003
	PIN	T	9/27/00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.002
Other Springs/Misc.															
Sacred Spring	PIN	F	7/25/00	<0.01	<0.1	0.003	<0.05	0.07	<0.0005	<0.0005	<0.02	<0.01	<0.01	<0.04	<0.0002

PAR - Paragon Analytics, Inc.
PIN - Pinnacle Laboratories, Inc.
NA - Not analyzed or not available
T - Non-filtered sample preserved with nitric acid prior to analysis (Totals)
F - Dissolved fraction less than 0.45 micron, and preserved with nitric acid prior to analysis (Filtered)
Note: Bolded sample stations are Cerro Grande fire related

Table 4 - NMED DOE Oversight Bureau Ground-Water Quality Results: Additional Dissolved and Total Trace Metals, Lithium through Zinc.

STATION ID	LAB	T/F	Date	Li (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Pb (mg/L)	Sb (mg/L)	Se (mg/L)	Si (mg/L)	Sn (mg/L)	Sr (mg/L)	Tl (mg/L)	V (mg/L)	Zn (mg/L)
WELLS/BOREHOLES																
INTERMEDIATE AQUIFER																
Los Alamos Canyon Watershed																
POI - 4	PIN	F	7/19/00	NA	<0.01	NA	<0.02	<0.002	<0.003	<0.003	NA	NA	NA	<0.001	<0.02	<0.01
	PIN	T	7/19/00	NA	<0.01	NA	<0.04	<0.002	<0.003	<0.003	NA	NA	NA	<0.001	<0.02	<0.01
PERCHED AQUIFER																
Los Alamos Canyon Watershed																
LAO - 2	PAR	F	6/26/00	0.039	<0.01	NA	<0.02	<0.003	<0.02	<0.005	26.0	NA	NA	<0.01	<0.01	<0.02
	PAR	T	6/26/00	0.053	<0.01	NA	<0.02	<0.003	<0.02	<0.005	26.0	NA	NA	<0.01	<0.01	<0.02
LAO - 3A	PAR	F	6/26/00	0.039	<0.01	NA	<0.02	<0.003	<0.02	<0.005	8.6	NA	NA	<0.01	<0.01	<0.02
	PAR	T	6/26/00	0.039	<0.01	NA	<0.02	<0.003	<0.02	<0.005	26.0	NA	NA	<0.01	<0.01	<0.02
Mortandad Canyon Watershed																
MCO - 2	PIN	F	7/17/00	NA	2.69	NA	<0.02	<0.002	<0.003	<0.003	NA	NA	NA	<0.001	<0.02	<0.01
	PIN	T	7/17/00	NA	2.4	NA	<0.02	0.0024	<0.003	<0.003	NA	NA	NA	<0.001	<0.02	<0.01
MCO - 3	PIN	F	7/17/00	NA	<0.01	NA	<0.02	<0.002	<0.003	<0.003	NA	NA	NA	<0.001	<0.02	<0.01
	PIN	T	7/17/00	NA	<0.01	NA	<0.02	<0.002	<0.003	<0.003	NA	NA	NA	<0.001	<0.02	<0.01
SPRINGS																
Los Alamos Canyon Watershed																
DP Spring	PAR	F	6/26/00	0.011	<0.01	NA	<0.02	<0.003	<0.02	<0.005	8.6	NA	NA	<0.01	<0.01	<0.02
	PAR	T	6/26/00	0.01	<0.01	NA	<0.02	<0.003	<0.02	<0.005	8.6	NA	NA	<0.01	<0.01	<0.02
Los Alamos Spring	PIN	F	7/25/00	<0.1	<0.01	<0.03	<0.02	<0.002	<0.003	<0.003	17.9	<0.05	0.14	<0.001	<0.02	<0.01
LA-5.19 Spring	PAR	F	11/21/00	NA	<0.01	NA	<0.02	<0.003	<0.02	<0.005	19.0	0.05	0.083	<0.01	<0.01	<0.02
Pajarito Canyon Watershed																
PC Spring	PAR	F	5/2/00	<0.01	<0.01**	NA	NA	<0.003	NA	<0.005	19	NA	0.06	NA	NA	NA
	PAR	T	5/2/00	<0.01	<0.01**	NA	NA	0.0057	NA	<0.005	18	NA	0.06	NA	NA	NA

Table 4 - NMED DOE Oversight Bureau Ground-Water Quality Results: Additional Dissolved and Total Trace Metals, Lithium through Zinc.

STATION ID	LAB	T/F	Date	Li (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Pb (mg/L)	Sb (mg/L)	Se (mg/L)	Si (mg/L)	Sn (mg/L)	Sr (mg/L)	Tl (mg/L)	V (mg/L)	Zn (mg/L)
Homestead Spring	PAR	F	**6/15/00**	<0.01	<0.01	NA	<0.02	<0.003	<0.02	<0.005	15	NA	0.16	<0.01	<0.01	<0.02
	PAR	T	**6/15/00**	NA	<0.01	NA	<0.02	<0.003	<0.02	<0.005	NA	NA	NA	<0.01	<0.01	<0.02
	PIN	F	**7/21/00**	<0.1	<0.01	<0.03	<0.02	<0.002	<0.003	<0.003	17	<0.05	0.23	<0.001	<0.02	<0.01
	PAR	F	**11/15/00**	NA	<0.01	NA	<0.02	<0.003	<0.02	<0.005	13	<0.05	0.14	<0.01	<0.01	<0.02
Charlie's Spring	PAR	F	**6/15/00**	<0.01	<0.01	NA	<0.02	<0.003	<0.02	<0.005	15	NA	0.21	<0.01	<0.01	<0.02
	PAR	T	**6/15/00**	NA	<0.01	NA	<0.02	<0.003	<0.02	<0.005	NA	NA	NA	<0.01	<0.01	<0.02
	PAR	F	**11/15/00**	NA	<0.01	NA	<0.02	<0.003	<0.02	<0.005	13	<0.05	0.21	<0.01	<0.01	<0.02
Starmer Spring	PAR	F	**6/15/00**	<0.01	<0.01	NA	<0.02	<0.003	<0.02	<0.005	15	NA	0.21	<0.01	<0.01	<0.02
	PAR	T	**6/15/00**	NA	<0.01	NA	<0.02	<0.003	<0.02	<0.005	NA	NA	NA	<0.01	<0.01	<0.02
	PIN	F	**7/21/00**	<0.1	<0.01	<0.03	<0.02	<0.002	<0.003	<0.003	18	<0.05	0.25	<0.001	<0.02	<0.01
	PAR	F	**11/15/00**	NA	<0.01	NA	<0.02	<0.003	<0.02	<0.005	12	<0.05	0.18	<0.01	<0.01	<0.02
Bulldog Spring	PAR	F	**6/15/00**	<0.01	<0.01	NA	<0.02	<0.003	<0.02	<0.005	23	NA	0.12	<0.01	<0.01	<0.02
	PAR	T	**6/15/00**	NA	<0.01	NA	<0.02	<0.003	0.003	<0.005	NA	NA	NA	<0.01	<0.01	<0.02
	PIN	F	**7/21/00**	<0.1	<0.01	<0.03	<0.02	<0.002	<0.003	<0.003	27	<0.05	0.12	<0.001	<0.02	0.012
	PAR	F	**11/15/00**	NA	<0.01	NA	<0.02	<0.003	<0.02	<0.005	20	<0.05	0.13	<0.01	<0.01	<0.02
Kieling Spring	PAR	F	**6/15/00**	<0.01	<0.01	NA	<0.02	<0.003	<0.02	<0.005	18	NA	0.16	<0.01	<0.01	<0.02
	PAR	T	**6/15/00**	NA	<0.01	NA	<0.02	<0.003	<0.02	<0.005	NA	NA	NA	<0.01	<0.01	<0.02
TA - 18 Spring	PIN	F	**8/4/00**	<0.1	0.577	<0.03	<0.02	<0.002	<0.003	<0.003	12.5	<0.05	0.92	<0.001	<0.02	<0.01
White Rock Canyon																
Spring 6A	PIN	F	**9/26/00**	NA	0.00033	NA	0.00022	0.00007	0.00011	0.0006	29.5	<0.00002	0.0857	<0.00002	0.0120	0.0052
	PIN	T	**9/26/00**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Spring 7	PIN	F	**9/26/00**	NA	0.00134	NA	0.00031	0.00008	0.00014	0.0008	30.9	<0.00002	0.101	<0.00002	0.0106	0.0051
	PIN	T	**9/26/00**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Spring 9C	PIN	F	**9/27/00**	NA	0.00223	NA	0.00034	0.00020	0.00012	0.0005	33.5	<0.00002	0.0757	<0.00002	0.0165	0.0068
	PIN	T	**9/27/00**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other Springs/Misc.																
Sacred Spring	PIN	F	**7/25/00**	<0.1	0.016	<0.03	<0.02	<0.002	<0.003	<0.003	22.2	<0.05	0.32	<0.001	<0.02	0.014

PAR - Paragon Analytics, Inc.
PIN - Pinnacle Laboratories, Inc.
NA - Not analyzed or not available
T - Non-filtered sample preserved with nitric acid prior to analysis (Totals)
F - Dissolved fraction less than 0.45 micron, and preserved with nitric acid prior to analysis (Filtered)
Note: Bolded sample stations are Cerro Grande fire related

Table 5 - NMED DOE Oversight Bureau Ground-Water Quality Results: Gross Alpha/Beta, Tritium and Dissolved and Total Radionuclides Sr^{90} through U^{238}.

STATION ID	LAB	T/F	Date	Gross Alpha (pCi/L)	UNC/DL	Gross Beta (pCi/L)	UNC/DL	H3 (pCi/L)	UNC/DL	90Sr (pCi/L)	UNC/DL	U (ug/L)	UNC/DL	234U (pCi/L)	UNC/DL	235U (pCi/L)	UNC/DL	238U (pCi/L)	UNC/DL
WELLS/BOREHOLES																			
DEEP/REGIONAL AQUIFER																			
Los Alamos Canyon Watershed																			
TW - 1	PAR,PW	T	5/2/00	NA	-	NA	-	168.91	10.86/5.43	-0.3	0.69/0.9	NA	-	NA	-	NA	-	NA	-
	PW	T	9/12/00	3.8	1.4/1.7	7.6	2.1/3.2	157.73	10.22/5.11	<0.9	0.4/0.9	NA	-	NA	-	NA	-	NA	-
TW - 2	PAR,PW	T	5/3/00	NA	-	NA	-	6.10	0.58/0.29	1.2	0.79/1.0	NA	-	NA	-	NA	-	NA	-
	PW	T	9/12/00	<0.5	0.3/0.5	1.6	0.5/0.8	4.53	0.58/0.29	<0.9	0.4/0.9	NA	-	NA	-	NA	-	NA	-
TW - 3	PAR,PW	T	5/3/00	NA	-	NA	-	0.67	0.58/0.29	-0.65	0.80/1.0	NA	-	NA	-	NA	-	NA	-
	PW		9/27/00	NA	-	NA	-	30.33	1.02/0.96	NA	-	NA	-	NA	-	NA	-	NA	-
Laboratory Duplicate	PW		9/27/00	NA	-	NA	-	35.03	1.02/0.96	NA	-	NA	-	NA	-	NA	-	NA	-
TW - 4	PW	T	5/2/00	NA	-	NA	-	1.40	0.58/0.29	-0.13	0.74/0.9	NA	-	NA	-	NA	-	NA	-
	PW	T	9/12/00	<0.4	0.3/0.4	2.6	0.5/0.8	0.35	0.58/0.29	1.0	0.4/0.9	NA	-	NA	-	NA	-	NA	-
Mortandad Canyon Watershed																			
TW - 8	PAR,PW	T	5/2/00	NA	-	NA	-	14.14	0.96/0.48	-0.8	0.74/0.9	NA	-	NA	-	NA	-	NA	-
	PW	T	9/13/00	<0.6	0.4/0.6	2.1	0.5/0.7	1.63***	0.58/0.29	<0.9	0.4/0.9	NA	-	NA	-	NA	-	NA	-
Laboratory Duplicate	PW		9/13/00	NA	-	NA	-	1.53	0.58/0.29	NA	-	NA	-	NA	-	NA	-	NA	-
Pajarito Canyon Watershed																			
R-22	PW		9/30/00	NA	-	NA	-	140.49***	25.54/12.77	NA	-	NA	-	NA	-	NA	-	NA	-
	PW	T	9/30/00	38.1	17.4/16.3	60.5	14.5/21.2	NA	-	<3.2	1.4/1.7	2.75	NA	0.89	0.31/0.12	<0.06	0.07/0.06	1.00	0.33/0.12
Ancho Canyon Watershed																			
DT-5A	PW		10/26/00	NA	-	NA	-	-0.61	0.58/0.29	NA	-	NA	-	NA	-	NA	-	NA	-
Laboratory Duplicate	PW		10/26/00	NA	-	NA	-	-0.13	0.64/0.32										
DT-10	PW		10/27/00	NA	-	NA	-	0.13*	0.58/0.29	NA	-	NA	-	NA	-	NA	-	NA	-
INTERMEDIATE AQUIFER																			
Los Alamos Canyon Watershed																			
POI - 4	PW	T	7/19/00	NA	-	NA	-	NA	-	-0.14	1.1/2.0	NA	-	NA	-	NA	-	NA	-
	PAR		7/19/00	NA	-	NA	-	47.90	19.16/9.58	NA	-	NA	-	NA	-	NA	-	NA	-
TW - 1A	PAR	T	7/25/00	NA	-	NA	-	51.09	19.16/9.58	NA	-	NA	-	NA	-	NA	-	NA	-
TW - 2A	PAR	T	7/25/00	NA	-	NA	-	1411.31	95.80/47.90	NA	-	NA	-	NA	-	NA	-	NA	-
PERCHED AQUIFER																			
Los Alamos Canyon Watershed																			
LAO - 2	PAR	T	6/26/00	0.46	0.65/1.1	22.0	3.2/1.3	118.14	19.16/9.58	7	1.4/0.42	NA	-	0.260	0.10/0.090	0.100	0.067/0.077	0.125	0.069/0.061
	PAR	F	6/26/00	0.73	0.58/0.93	22.0	3.2/1.3	NA	-	8.1	1.5/0.42	NA	-	0.110	0.025/0.012	0.010	0.008/0.011	0.046	0.015/0.0074
LAO - 3A	PAR	T	6/26/00	0.56	0.58/0.95	59.0	8.2/1.3	137.30	19.16/9.58	24.5	4.5/0.40	NA	-	0.152	0.036/0.018	0.032	0.017/0.019	0.113	0.030/0.016
	PAR	F	6/26/00	-0.11	0.65/1.2	55.3	7.7/1.4	NA	-	26.7	4.0/0.44	NA	-	0.105	0.028/0.018	0.033	0.015/0.015	0.083	0.024/0.013
Mortandad Canyon Watershed																			
MCO - 2	PW	T	7/17/00	-0.74	3.0/5	4.4	3.1/5	300	720/400	0.54	1.3/3	NA	-	NA	-	NA	-	NA	-
	PW	F	7/17/00	-0.46	2.0/3	2.4	3.3/5	NA	-	0.93	1.2/3	NA	-	NA	-	NA	-	NA	-
MCO - 3	PW	T	7/17/00	14.0	5.9/7	110	6.9/7	98000	3890/400	28	1.9/2	NA	-	NA	-	NA	-	NA	-
	PW	F	7/17/00	12	3.3/3	110	7.4/7	NA	-	29	2.0/2	NA	-	NA	-	NA	-	NA	-

Table 5 - NMED DOE Oversight Bureau Ground-Water Quality Results: Gross Alpha/Beta, Tritium and Dissolved and Total Radionuclides Sr^{90} through U^{238}.

STATION ID	LAB	T/F	Date	Gross Alpha (pCi/L)	UNC/DL	Gross Beta (pCi/L)	UNC/DL	H3 (pCi/L)	UNC/DL	90Sr (pCi/L)	UNC/DL	U (ug/L)	UNC/DL	234U (pCi/L)	UNC/DL	235U (pCi/L)	UNC/DL	238U (pCi/L)	UNC/DL
LOS ALAMOS COUNTY																			
WATER SUPPLY																			
Los Alamos Canyon Watershed																			
Otowi - 1	PAR,PW	T	6/21/00	NA	-	NA	-	43.43	3.2/1.6	-1.4	1.4/3.8	NA	-	NA	-	NA	-	NA	-
(first purge)	PW	T	8/3/00	NA	-	NA	-	NA	-	-0.91	1.2/2.0	NA	-	NA	-	NA	-	NA	-
(post purge)	PW	T	8/3/00	NA	-	NA	-	NA	-	-1.1	1.2/3	NA	-	NA	-	NA	-	NA	-
	PW	T	8/14/00	NA	-	NA	-	NA	-	0.02	1.2/2.0	NA	-	NA	-	NA	-	NA	-
GR - 3	PW	T	8/3/00	NA	-	NA	-	NA	-	-0.21	1.2/2.0	NA	-	NA	-	NA	-	NA	-
Otowi - 4	PW	T	8/14/00	NA	-	NA	-	NA	-	0.42	0.90/2	NA	-	NA	-	NA	-	NA	-
Mortandad Canyon Watershed																			
PM - 4	PW	T	8/3/00	NA	-	NA	-	NA	-	-0.39	1.2/2.0	NA	-	NA	-	NA	-	NA	-
	PW	T	8/14/00	NA	-	NA	-	NA	-	0.39	1.1/2.0	NA	-	NA	-	NA	-	NA	-
PM - 5	PW	T	8/14/00	NA	-	NA	-	NA	-	-0.11	1.2/2.0	NA	-	NA	-	NA	-	NA	-
Pajarito Canyon Watershed																			
PM - 2	PW	T	8/14/00	NA	-	NA	-	NA	-	-0.15	1.1/2.0	NA	-	NA	-	NA	-	NA	-
Sandia Canyon Watershed																			
PM - 1	PW	T	8/14/00	NA	-	NA	-	NA	-	1.70	1.2/2.0	NA	-	NA	-	NA	-	NA	-
SPRINGS																			
Los Alamos Canyon Watershed																			
LA - 11.2 Spring	PAR	T	6/21/00	NA	-	NA	-	10.50	0.84/0.42	NA	-	NA	-	NA	-	NA	-	NA	-
DP Spring	PAR	T	6/26/00	0.65	0.56/0.91	130.0	18/1.2	217.12	25.54/12.77	57	10.0/0.41	NA	-	0.331	0.056/0.012	0.034	0.014/0.012	0.049	0.017/0.013
	PAR	F	6/26/00	1.02	0.61/0.93	130.0	18/1.6	NA	-	57	10.0/0.43	NA	-	0.255	0.045/0.017	0.025	0.012/0.012	0.045	0.015/0.0074
Los Alamos Spring	PW	T	7/25/00	NA	-	NA	-	NA	-	0.12	0.97/2	NA	-	NA	-	NA	-	NA	-
	PW	F	7/25/00	NA	-	NA	-	NA	-	NA	-	NA	-	-0.31	0.67/1	-0.42	0.31/0.7	0.22	0.47/0.7
	PAR	T	7/25/00	NA	-	NA	-	1.21	0.53/0.29	NA	-	NA	-	NA	-	NA	-	NA	-
LA-5.19 Spring	PAR	F	11/21/00	NA	-	NA	-	NA	-	1.10	0.34/0.41	NA	-	NA	-	NA	-	NA	-
	PW		11/21/00	NA	-	NA	-	89.4	25.54/12.77										
Pajarito Canyon Watershed																			
PC Spring	PAR	T	5/2/00	NA	-	NA	-	39.59	2.6/1.3	NA	-	0.09[1]	0.01/0.20	0.025	0.034/0.061	0.014	0.024/0.045	0.022	0.029/0.045
Homestead Spring	PAR	T	6/15/00	NA	-	NA	-	40.55	2.6/1.3	NA	-	0.27	0.04/0.20	0.045	0.047/0.073	0.007	0.025/0.049	0.025	0.032/0.049
	PAR	T	7/21/00	NA	-	NA	-	46.62	3.2/1.6	NA	-	NA	-	NA	-	NA	-	NA	-
	PAR	F	11/15/00	NA	-	NA	-	NA	-	0.16	0.21/0.34	NA	-	NA	-	NA	-	NA	-
	PW	T	11/15/00	NA	-	NA	-	54.92	3.84/1.92	NA	-	NA	-	NA	-	NA	-	NA	-
Charlie's Spring	PAR	T	6/15/00	NA	-	NA	-	59.39	3.8/1.9	NA	-	0.87	0.12/0.20	0.34	0.13/0.092	0.03	0.040/0.076	0.24	0.10/0.082
	PAR	F	11/15/00	NA	-	NA	-	NA	-	0.08	0.21/0.35	NA	-	NA	-	NA	-	NA	-
	PW	T	11/15/00	NA	-	NA	-	68.01	5.10/2.55	NA	-	NA	-	NA	-	NA	-	NA	-
Starmer Spring	PAR	T	6/15/00	1.10	0.55/0.78	5.10	1.1/1.3	46.62	3.2/1.6	NA	-	1.05	0.14/0.40	0.38	0.14/0.085	0.02	0.043/0.095	0.22	0.10/0.072
	PAR	T	7/21/00	NA	-	NA	-	56.20	3.84/1.92	NA	-	NA	-	NA	-	NA	-	NA	-
	PAR	F	11/15/00	NA	-	NA	-	NA	-	0.22	0.21/0.34	NA	-	NA	-	NA	-	NA	-
	PW	T	11/15/00	NA	-	NA	-	68.33	5.10/2.55	NA	-	NA	-	NA	-	NA	-	NA	-

Table 5 - NMED DOE Oversight Bureau Ground-Water Quality Results: Gross Alpha/Beta, Tritium and Dissolved and Total Radionuclides Sr^{90} through U^{238}.

STATION ID	LAB	T/F	Date	Gross Alpha (pCi/L)	UNC/DL	Gross Beta (pCi/L)	UNC/DL	H3 (pCi/L)	UNC/DL	90Sr (pCi/L)	UNC/DL	U (ug/L)	UN/RL	234U (pCi/L)	UNC/DL	235U (pCi/L)	UNC/DL	238U (pCi/L)	UNC/DL
Bulldog Spring	PAR	T	6/15/00	1.00	0.66/1.0	3.29	0.96/1.3	91.00	5.8/2.9	NA	-	0.63	0.09/0.20	0.28	0.12/0.84	0.032	0.046/0.080	0.119	0.077/0.064
	PAR	T	7/21/00	NA	-	NA	-	92.60	7.56/3.83	NA	-	NA	-	NA	-	NA	-	NA	-
	PAR	F	11/15/00	NA	-	NA	-	NA	-	0.02	0.19/0.33	NA	-	NA	-	NA	-	NA	-
	PIN	T	11/15/00	NA	-	NA	-	90.04	7.92/3.51	NA	-	NA	-	NA	-	NA	-	NA	-
Kieling Spring	PAR	T	6/15/00	NA	-	NA	-	113.00	7.6/3.8	NA	-	1.05	0.14/0.20	0.49	0.15/0.060	0.012	0.026/0.056	0.36	0.12/0.60
TA-18 Spring	PAR	T	8/4/00	NA	-	NA	-	89.08***	5.74/2.87	NA	-	NA	-	NA	-	NA	-	NA	-
White Rock Canyon																			
Ancho Spring	PIN	F	9/26/00	<0.9	0.5/0.9	2.50	0.7/1	1.50***	0.58/0.29	<0.6	0.3/0.6	0.26	NA	0.32	0.21/0.08	<0.1	0.10/0.1	0.17	0.15/0.08
Doe Spring	PIN	T	9/27/00	NA	-	NA	-	4.73	0.58/0.29	NA	-	NA	-	NA	-	NA	-	NA	-
Sandia Spring	PIN	T	9/25/00	NA	1.9/2	10.00	1.7/2.2	1.98***	0.58/0.29	<0.6	0.3/0.6	NA	-	NA	-	NA	-	NA	-
Spring 1	PIN	F	9/25/00	NA	1.1/0.9	12.80	1/0.9	-0.22	0.16/0.32	<0.6	0.3/0.6	NA	-	1.26	0.44/0.15	<0.14	0.04/0.14	0.63	0.26/0.17
Spring 2	PIN	T	9/25/00	NA	-	NA	-	0.32***	0.58/0.29	NA	-	NA	-	NA	-	NA	-	NA	-
Spring 3	PIN	T	9/25/00	NA	-	NA	-	2.49***	0.58/0.29	NA	-	NA	-	NA	-	NA	-	NA	-
Spring 3A	PIN	T	9/25/00	NA	-	NA	-	0.86***	0.76/0.38	NA	-	NA	-	NA	-	NA	-	NA	-
Spring 4	PIN	T	9/25/00	NA	-	NA	-	11.97	0.76/0.38	NA	-	NA	-	NA	-	NA	-	NA	-
Spring 5A	PIN	T	9/26/00	NA	-	NA	-	1.95***	0.58/0.29	NA	-	NA	-	NA	-	NA	-	NA	-
Spring 6	PIN	T	9/26/00	NA	-	NA	-	1.21***	0.58/0.29	NA	-	NA	-	NA	-	NA	-	NA	-
Spring 6A	PIN	F	9/26/00	2.40	0.9/0.8	5.20	0.8/1.1	1.40***	0.16/0.32	<0.6	0.3/0.6	1.29	NA	1.00	0.48/0.19	<0.16	0.11/0.16	0.63	0.30/0.13
Spring 7	PIN	F	9/26/00	2	0.8/0.7	3.80	0.8/1.1	1.37***	0.16/0.32	<0.6	0.3/0.6	1.30	NA	0.38	0.26/0.12	<0.07	0.05/0.07	0.22	0.14/0.06
Spring 8A	PIN	T	9/26/00	NA	-	NA	-	2.91***	0.16/0.32	NA	-	NA	-	NA	-	NA	-	NA	-
Spring 9A	PIN	T	9/27/00	0.90	0.5/0.6	3.10	0.6/0.9	0.45***	0.58/0.29	<0.6	0.3/0.6	0.74	NA	0.59	0.29/0.26	<0.21	0.10/0.21	0.48	0.24/0.18
Spring 9C	PIN	F	9/27/00	1.10	0.5/0.6	2.20	0.6/0.9	0.0	0.58/0.29	<0.6	0.3/0.6	0.13	NA	<0.13	0.10/0.13	<0.07	0.01/0.07	<0.11	0.09/0.11
Other Springs/Misc.																			
Sacred Spring	PIN	T	7/25/00	NA	-	NA	-	NA	-	0.97	1/2	NA	-	NA	-	NA	-	NA	-
	PIN	F	7/25/00	NA	-	NA	-	NA	-	NA	-	NA	-	0.37	0.68/1	-0.31	0.29/0.6	0.80	0.51/0.6
	PAR	T	7/25/00	NA	-	NA	-	1.28***	0.58/0.29	NA	-	NA	-	NA	-	NA	-	NA	-

PAR - Paragon Analytics, Inc.
PIN - Pinnacle Laboratories, Inc.
T - Non-filtered sample preserved with nitric acid prior to analysis (Totals)
F - Dissolved fraction less than 0.45 micron, and preserved with nitric acid prior to analysis (Filtered)
Note: 1) all tritium results were from nonfiltered and unpreserved samples, and unless noted otherwise, were provided by University of Miami, Tritium Laboratory; 2) tritium results for MCO-2 and MCO-3 were provide by Barringer Laboratory, Inc.
J - Estimated value; result between Method Detection Limit and Reporting Limit.
*** - Average of duplicate runs
DL - Detection Limit
UNC-Uncertanties (2 Sigma)
NA - Not analyzed or not available
Note: Bolded sample stations are Cerro Grande fire related

Table 6 - NMED DOE Oversight Bureau Ground-Water Quality Results: Dissolved and Total Radionuclides Pu^{238} through Th^{232}.

STATION ID	LAB	T/F	Date	238Pu (pCi/L)	UNC/DL	239/240 Pu (pCi/L)	UNC/DL	241Pu (pCi/L)	UNC/DL	241Am (pCi/L)	UNC/DL	228Th (pCi/L)	UNC/DL	230Th (pCi/L)	UNC/DL	232Th (pCi/L)	UNC/DL
WELLS/BOREHOLES																	
DEEP/REGIONAL AQUIFER																	
Los Alamos Canyon Watershed																	
TW - 1	PIN	T	9/12/00	NA	-	NA	-	NA	-	NA	-	0.03	0.02/0.007	0.03	0.02/0.007	0.02	0.01/0.007
TW - 2	PIN	T	9/12/00	NA	-	NA	-	NA	-	NA	-	0.01	0.01/0.007	0.05	0.10/0.007	0.01	0.01/0.007
TW - 4	PIN	T	9/12/00	NA	-	NA	-	NA	-	NA	-	0.01	0.01/0.006	0.01	0.01/0.006	<0.006	0.004/0.006
Mortandad Canyon Watershed																	
TW - 8	PIN	T	9/13/00	NA	-	NA	-	NA	-	NA	-	<0.006	0.004/0.006	0.02	0.02/0.02	<0.02	0.01/0.02
INTERMEDIATE AQUIFER																	
Los Alamos Canyon Watershed																	
POI - 4	PIN	T	7/19/00	-0.069	0.51/0.9	-0.064	0.47/0.8	NA	-	NA	-	NA	-	NA	-	NA	-
PERCHED AQUIFER																	
Los Alamos Canyon Watershed																	
LAO - 2	PAR	T	6/26/00	0.0074	0.0081/0.013	0.032	0.013/0.0098	NA	-	0.011	0.010/0.016	NA	-	NA	-	NA	-
	PAR	F	6/26/00	0.0069	0.0071/0.011	0.0129	0.0072/0.0027	NA	-	0.021	0.012/0.13	NA	-	NA	-	NA	-
LAO - 3A	PAR	T	6/26/00	0.0073	0.0059/0.0033	0.021	0.011/0.0089	NA	-	0.011	0.013/0.022	NA	-	NA	-	NA	-
	PAR	F	6/26/00	0.0097	0.0076/0.0089	0.018	0.010/0.0089	NA	-	0.010	0.0085/0.010	NA	-	NA	-	NA	-
Mortandad Canyon Watershed																	
MCO - 2	PIN	T	7/17/00	-0.043	0.34/0.06	-0.040	0.32/0.5	4.6	4.8/8	-0.31	0.35/0.8	NA	-	NA	-	NA	-
	PIN	F	7/17/00	0.32	0.92/1	-0.50	0.65/1	5.6	5.8/9	NA	-	NA	-	NA	-	NA	-
MCO - 3	PIN	T	7/17/00	3.4	0.79/0.5	1.9	0.60/0.5	9.4	4.6/7	2.4	1.3/1	NA	-	NA	-	NA	-
	PIN	F	7/17/00	1.4	0.53/0.5	0.93	0.45/0.5	12	14/20	NA	-	NA	-	NA	-	NA	-
SPRINGS																	
Los Alamos Canyon Watershed																	
DP Spring	PAR	T	6/26/00	0.0196	0.0096/0.0076	0.022	0.010/0.0095	NA	-	0.0127	0.0089/0.012	NA	-	NA	-	NA	-
	PAR	F	6/26/00	-0.001	0.0043/0.010	0.0078	0.0077/0.012	NA	-	0.0186	0.0091/0.0072	NA	-	NA	-	NA	-
White Rock Canyon																	
Ancho Spring	PIN	F	9/26/00	NA	-	NA	-	NA	-	NA	-	<0.006	0.004/0.006	0.02	0.02/0.02	<0.02	0.01/0.02
Spring 6A	PIN	F	9/26/00	NA	-	NA	-	NA	-	NA	-	0.03	0.07/0.14	0.49	0.27/0.09	0.19	0.16/0.16
Spring 7	PIN	F	9/26/00	NA	-	NA	-	NA	-	NA	-	0.02	0.06/0.12	0.14	0.13/0.14	0.02	0.06/0.16
Spring 9C	PIN	F	9/27/00	NA	-	NA	-	NA	-	NA	-	0.08	0.10/0.14	0.16	0.14/0.12	0.03	0.06/0.07

Table 6 - NMED DOE Oversight Bureau Ground-Water Quality Results: Dissolved and Total Radionuclides Pu^{238} through Th^{232}.

PAR - Paragon Analytics, Inc.
PIN - Pinnacle Laboratories, Inc.
T - Non-filtered sample preserved with nitric acid prior to analysis (Totals)
F - Dissolved fraction less than 0.45 micron, and preserved with nitric acid prior to analysis (Filtered)
Note: 1) all tritium results were from nonfiltered and unpreserved samples, and unless noted otherwise, were provided by University of Miami, Tritium Laboratory; 2) tritium results for MCO-2 and MCO-3 were provide by Barringer Laboratory, Inc.
DL - Detection Limit
UNC-Uncertanties (2 Sigma)
NA - Not analyzed or not available
Note: Bolded sample stations are Cerro Grande fire related

Table 7 - NMED DOE Oversight Bureau Ground-Water Quality Results: Dissolved and Total Radionuclides Ra^{226} through Tc^{99}.

STATION ID		LAB	T/F	Date	226Ra (pCi/L)	UNC/DL	228Ra (pCi/L)	UNC/DL	242Cm (pCi/L)	UNC/DL	244Cm (pCi/L)	UNC/DL	246Cm (pCi/L)	UNC/DL	99Tc (pCi/L)	UNC/DL
WELLS/BOREHOLES																
PERCHED AQUIFER																
Mortandad Canyon Watershed																
MCO - 2		PIN	T	7/17/00	NA	-	NA	-	-0.17	0.34/0.7	-0.15	0.30/.06	-0.23	0.26/0.6	25	23/40
MCO - 3		PIN	T	7/17/00	NA	-	NA	-	-0.13	0.40/0.8	-0.22	0.29/0.7	-0.12	0.35/0.7	70	28/40
LOS ALAMOS COUNTY																
WATER SUPPLY																
Los Alamos Canyon Watershed																
Otowi - 1	(first purge)	PIN	T	8/3/00	-0.13	0.40/0.7	NA	-	NA	-	NA	-	NA	-	NA	-
	(post purge)	PIN	T	8/3/00	-0.084	0.35/0.6	NA	-	NA	-	NA	-	NA	-	NA	-
		PIN	T	8/14/00	-0.260	0.30/0.7	0.15	1.0/2.0	NA	-	NA	-	NA	-	NA	-
GR - 3		PIN	T	8/3/00	-0.30	0.26/0.6	NA	-	NA	-	NA	-	NA	-	NA	-
Otowi - 4		PIN	T	8/14/00	-0.17	0.28/0.6	1.1	1.4/2	NA	-	NA	-	NA	-	NA	-
Mortandad Canyon Watershed																
PM - 4		PIN	T	8/3/00	-0.24	0.33/0.7	NA	-	NA	-	NA	-	NA	-	NA	-
		PIN	T	8/14/00	-0.40	0.34/0.8	-0.8	0.92/2.0	NA	-	NA	-	NA	-	NA	-
PM - 5		PIN	T	8/14/00	-0.26	0.36/0.7	0.26	1.0/2.0	NA	-	NA	-	NA	-	NA	-
Pajarito Canyon Watershed																
PM - 2		PIN	T	8/14/00	-0.34	0.33/0.7	0.83	1.0/2.0	NA	-	NA	-	NA	-	NA	-
Sandia Canyon Watershed																
PM - 1		PIN	T	8/14/00	-0.18	0.41/0.8	0.028	0.97/2.0	NA	-	NA	-	NA	-	NA	-

Table 7 - NMED DOE Oversight Bureau Ground-Water Quality Results: Dissolved and Total Radionuclides Ra^{226} through Tc^{99}.

STATION ID	LAB	T/F	Date	226Ra (pCi/L)	UNC/DL	228Ra (pCi/L)	UNC/DL	242Cm (pCi/L)	UNC/DL	244Cm (pCi/L)	UNC/DL	246Cm (pCi/L)	UNC/DL	99Tc (pCi/L)	UNC/DL
SPRINGS															
Los Alamos Canyon Watershed															
DP Spring	PAR	T	6/26/00	NA	-	NA	-	0.005	0.0049/0.0034	0.0020	0.0027/0.0027	NA	-	NA	-
Los Alamos Spring	PIN	T	7/25/00	NA	-	NA	-	-0.16	0.72/1	0.38	0.73/1	-0.36	0.41/1	NA	-
Other Springs/Misc.															
Sacred Spring	PIN	T	7/25/00	NA	-	NA	-	-0.30	0.90/2	-0.42	0.56/1	-0.41	0.55/1	NA	-

PAR - Paragon Analytics, Inc.
PIN - Pinnacle Laboratories, Inc.
T - Non-filtered sample preserved with nitric acid prior to analysis (Totals)
F - Dissolved fraction less than 0.45 micron, and preserved with nitric acid prior to analysis (Filtered)
Tritium results for MCO-2 and MCO-3 were provide by Barringer Laboratory, Inc.
DL - Detection Limit
UNC-Uncertanties (2 Sigma)
NA - Not analyzed or not available
Note: Bolded sample stations are Cerro Grande fire related

Table 8 - NMED DOE Oversight Bureau Ground-Water Quality Results: Dissolved and Total Radionuclides (Gamma Spectroscopy)
Am^{241} through Tl^{208}

STATION ID	LAB	T/F	Date	241Am (pCi/L)	UNC/DL	137Cs (pCi/L)	UNC/DL	60Co (pCi/L)	UNC/DL	212Pb (pCi/L)	UNC/DL	214Pb (pCi/L)	UNC/DL	228Ac (pCi/L)	UNC/DL	208Tl (pCi/L)	UNC/DL
WELLS/BOREHOLES																	
INTERMEDIATE AQUIFER																	
Los Alamos Canyon Watershed																	
POI - 4	PIN	F	7/19/00	<60	NP/60	<30	NP/30	<30	NP/30	<30	NP/30	<40	NP/40	<90	NP/90	<20	NP/20
PERCHED AQUIFER																	
Los Alamos Canyon Watershed																	
LAO - 2	PAR	T	6/26/00	1.4	6.5/11	-0.3	1.5/2.6	-0.1	1.4/2.4	1.8	2.3/4.1	-6.4	7.3/8.7	6.4	9.2/9.8	-0.2	3.5/3.1
	PAR	F	6/26/00	1	13/23	0.4	2.3/4.0	-0.8	2.7/4.6	-20	120/7.9	-8	13/10	-13	28/16	0	4.2/5.1
LAO - 3A	PAR	T	6/26/00	-1	14/24	1	2.1/4.1	0.8	2.8/4.8	12	12/8.7	5	11/12	-14	29/19	7	4.9/5.3
	PAR	F	6/26/00	-53	16/24	-1.1	2.6/4.5	-0.2	2.9/5.1	7	10/9.6	-2	11/11	-22	45/19	6.3	3.7/4.6
Mortandad Canyon Watershed																	
MCO - 2	PIN	F	07/17/200	NA	-	<20	NP/20	NA	-	NA	-	NA	-	NA	-	NA	-
MCO - 3	PIN	F	07/17/200	NA	-	<20	NP/20	NA	-	NA	-	NA	-	NA	-	NA	-
SPRINGS																	
Los Alamos Canyon Watershed																	
DP Spring	PAR	T	6/26/00	-12	13/22	0.9	2.6/4.3	-0.3	2.9/5.0	5.2	6.7/8.3	1	8.3/10	-13	31/18	5.2	3.8/4.8
	PAR	F	6/26/00	-5	16/28	0.3	2.8/4.9	0.4	2.6/4.6	2	12.0/11	-22	90/11	5.1	9.2/15	0	2.8/4.9
Los Alamos Spring	PIN	T	7/25/00	<80	NP/80	NA	-	<30	NP/30	<40	NP/40	<50	NP/50	<80	NP/80	<20	NP/20
Pajarito Canyon Watershed																	
Starmer Spring	PAR	T	6/15/00	<-6	17/29	<-1.2	3.3/5.6	<-1.3	3.4/5.8	<-20	290/9.6	<-7	23/15	<-20	190/20	<-10	130/6
Bulldog Spring	PAR	T	6/15/00	<2	17/28	<-.1	2.6/4.5	<.1	2.7/4.7	16	12.0/10.0	<0	19000/11	<9.9	6.7/19	<0.3	4.9/5.8
Other Springs/Misc.																	
Sacred Spring	PIN	T	7/25/00	<60	NP/60	NA	-	<20	NP/20	<30	NP/30	<40	NP/40	<80	NP/80	<20	NP/20

Table 8 - NMED DOE Oversight Bureau Ground-Water Quality Results: Dissolved and Total Radionuclides (Gamma Spectroscopy) Am^{241} through Tl^{208}

PAR - Paragon Analytics, Inc.
PIN - Pinnacle Laboratories, Inc.
T - Non-filtered sample preserved with nitric acid prior to analysis (Totals)
F - Dissolved fraction less than 0.45 micron, and preserved with nitric acid prior to analysis (Filtered)
DL - Detection Limit
UNC-Uncertanties (2 Sigma)
NA - Not analyzed or not available
NP - Not provided
Note: Bolded sample stations are Cerro Grande fire related

Table 9 - NMED DOE Oversight Bureau Ground-Water Quality Results: Dissolved and Total Radionuclides (Gamma Spectroscopy) Bi^{214} through Th^{234}.

STATION ID	LAB	T/F	Date	214Bi (pCi/L)	UNC/DL	212Bi (pCi/L)	UNC/DL	22Na (pCi/L)	UNC/DL	235U (pCi/L)	UNC/DL	7Be (pCi/L)	UNC/DL	40K (pCi/L)	UNC/DL	234Th (pCi/L)	UNC/DL
WELLS/BOREHOLES																	
INTERMEDIATE AQUIFER																	
Los Alamos Canyon Watershed																	
POI - 4	PIN	F	7/19/00	<40	NP/40	<300	NP/300	NA	-	NA	-	<100	NP/100	<300	NP/300	<300	NP/300
PERCHED AQUIFER																	
Los Alamos Canyon Watershed																	
LAO - 2	PAR	T	6/26/00	7.7	5.0/9.1	0	1100/21	0.2	1.5/2.6	0	7.9/14	-4	25/28	68	53/45	-3	21/38
	PAR	F	6/26/00	-2	12.0/13	1	19/32	-1.0	2.8/4.8	4	13/23	4	39/45	6	40/68	510 TI	170/81
LAO - 3A	PAR	T	6/26/00	-3	13/12	16	21/33	1.2	2.7/4.6	-50	680/28	6	44/50	94	86/87	138 TI	79/81
	PAR	F	6/26/00	-25	85/12	-1	21/35	0.5	3.1/5.3	14	25/29	0	44/49	92	72/82	123 TI	96/74
SPRINGS																	
Los Alamos Canyon Watershed																	
DP Spring	PAR	T	6/26/00	-4	14/13	3	21/35	-1.6	3.0/5.0	-50	530/28	5	43/49	<46	54/76	230 TI	120/75
	PAR	F	6/26/00	11	13/11	0	23/39	0.7	2.7/4.6	-30	760/29	6	46/52	<39	65/79	120 TI	74/76
Los Alamos Spring	PIN	T	7/25/00	<60	NP/60	<300	NP/300	NA	-	NA	-	<200	NP/200	<300	NP/300	<200	NP/200
Pajarito Canyon Watershed																	
Starmer Spring	PAR	T	6/15/00	25	19/14	7	24/40	-0.1	2.7/4.7	-1	18/31	15	53/60	97	67/81	<-140	570/80
Bulldog Spring	PAR	T	6/15/00	-4	17/13	0	23/38	1.2	2.9/4.8	0	220/25	-5	47/53	<-12	61/83	<66	82/89
Other Springs/Misc.																	
Sacred Spring	PIN	T	7/25/00	<50	NP/50	<200	NP/200	NA	-	NA	-	<200	NP/200	<300	NP/300	<300	NP/300

PAR - Paragon Analytics, Inc.
PIN - Pinnacle Laboratories, Inc.
T - Non-filtered sample preserved with nitric acid prior to analysis (Totals)
F - Dissolved fraction less than 0.45 micron, and preserved with nitric acid prior to analysis (Filtered)
DL - Detection Limit
UNC-Uncertanties (2 Sigma)
NA - Not analyzed or not available
TI - Nuclide identification is tentative
NP - Not provide.
Note: Bolded sample stations are Cerro Grande fire related

Table 10 - NMED DOE Oversight Bureau Ground-Water Quality Results: High Explosive Compounds.

WELLS	Regional Aquifer (borehole samples)				Los Alamos County Water-Supply Wells			
SAMPLE ID:	R - 31 (545')	PIN	R - 31 (625')	PIN	PM - 2	PIN	PM - 4§	PIN
SAMPLING DATE:	1/22/00		1/23/00		8/14/00		8/14/00	
	RESULT (µg/L)	RL	RESULT (µg/L)	RL	RESULT (µg/L)	RL	RESULT (µg/L)	RL
2-AMINO-4,6-DNT	ND	0.4	ND	0.4	ND	0.4	ND	0.4
4-AMINO-2,6-DNT	ND	0.9	ND	0.9	ND	0.9	ND	[illegible]
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	ND	0.2	ND	0.2	ND	0.2	ND	[illegible]
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	ND	0.2	ND	0.2	ND	0.2	ND	0.2
1,3,5-TRINITROBENZENE (1,3,5-TNB)	ND	0.1	ND	0.1	ND	0.1	ND	0.1
1,3-DINITROBENZENE (1,3-DNB)	ND	0.2	ND	0.2	ND	0.2	ND	0.2
TETRYL	ND	0.6	ND	0.6	ND	0.6	ND	0.6
NITROBENZENE (NB)	ND	0.4	ND	0.4	ND	0.4	ND	0.4
NITROGLYCERIN	NA	–	NA	–	NA	–	NA	–
PENTAERYTHRITOL TETRANITRITE	NA	–	NA	–	NA	–	NA	–
2,4,6-TRINITROTOLUENE (2,4,6-TNT)	ND	0.6	ND	0.6	ND	0.6	ND	0.6
2,4-DINITROTOLUENE(2,4-DNT)	ND	0.4	ND	0.4	ND	0.4	ND	0.4
2,6-DINITROTOLUENE(2,6-DNT)	ND	0.4	ND	0.4	ND	0.4	ND	0.4
o-NITROTOLUENE (2-NT)	ND	0.2	ND	0.2	ND	0.2	ND	0.2
p-NITROTOLUENE (4-NT)	ND	0.3	ND	0.3	ND	0.3	ND	0.3
m-NITROTOLUENE (3-NT)	ND	0.2	ND	0.2	ND	0.2	ND	0.2

PAR - Paragon Analytics, Inc.
PIN - Pinnacle Laboratories, Inc.
RL - Reporting Limit
NA - Not analyzed or not available
ND - Not Detected
§ - Sample out of hold time
J - Indicates an estimate value
Method Used: SW 846 8330
Note: Bolded sample stations are Cerro Grande fire related

Table 10 cont. - NMED DOE Oversight Bureau Ground-Water Quality Results: High Explosive Compounds.

SPRINGS

Pajarito Canyon Watershed

SAMPLE ID: / SAMPLING DATE:	Bulldog Spring 6/15/00 RESULT (µg/L)	PAR RL	11/15/00 RESULT (µg/L)	PAR RL	Charlie's Spring 6/15/00 RESULT (µg/L)	PAR RL	Homestead Spring 6/15/00 RESULT (µg/L)	PAR RL	Kieling Spring 6/15/00 RESULT (µg/L)	PAR RL
2-AMINO-4,6-DNT	0.2J	0.25	0.11J	0.25	ND	0.25	ND	0.25	0.18J	0.25
4-AMINO-2,6-DNT	0.36	0.25	0.18J	0.25	ND	0.25	ND	0.25	0.28	0.25
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	3.8	1	2.1	1	ND	1	ND	1	2.5	1
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	5.5	0.84	3.8	0.84	ND	0.84	ND	0.84	2.9	0.84
1,3,5-TRINITROBENZENE (1,3,5-TNB)	ND	0.26	ND	0.26	ND	0.26	ND	0.26	ND	0.26
1,3-DINITROBENZENE (1,3-DNB)	ND	0.25	ND	0.25	ND	0.25	ND	0.25	ND	0.25
TETRYL	0.31J	1	ND	1	ND	1	ND	1	0.13J	1
NITROBENZENE (NB)	ND	1	ND	1	ND	1	ND	1	0.089J	1
NITROGLYCERIN	NA	-	NA	-	NA	-	NA	-	NA	-
PENTAERYTHRITOL TETRANITRITE	NA	-	NA	-	NA	-	NA	-	NA	-
2,4,6-TRINITROTOLUENE (2,4,6-TNT)	ND	0.25	ND	0.25	ND	0.25	ND	0.25	ND	0.25
2,4-DINITROTOLUENE(2,4-DNT)	ND	0.25	ND	0.25	ND	0.25	ND	0.25	ND	0.25
2,6-DINITROTOLUENE(2,6-DNT)	ND	0.25	ND	0.25	ND	0.25	ND	0.25	ND	0.25
o-NITROTOLUENE (2-NT)	ND	1	ND	1	ND	1	ND	1	ND	1
p-NITROTOLUENE (4-NT)	ND	1	ND	1	ND	1	ND	1	ND	1
m-NITROTOLUENE (3-NT)	ND	1	ND	1	ND	1	ND	1	ND	1

PAR - Paragon Analytics, Inc.
PIN - Pinnacle Laboratories, Inc.
RL - Reporting Limit
NA - Not analyzed or not available
ND - Not Detected
§ - Sample out of hold time
J - Indicates an estimate value
Method Used: SW 846 8330
Note: Bolded sample stations are Cerro Grande fire related

Table 10 cont. - NMED DOE Oversight Bureau Ground-Water Quality Results: High Explosive Compounds.

SPRINGS

SAMPLE ID:	Pajarito Canyon Watershed (Continued)						White Rock Canyon	
SAMPLING DATE:	PC Spring 5/2/00	PAR	Starmer Spring 6/15/00	PAR	11/15/00	PAR	TA - 18 Spring 8/14/00	PIN	Spring 6A§ 9/26/00	PIN
	RESULT (µg/L)	RL	RESULT (µg/L)	RL	RESULT (µg/L)	RL	RESULT (µg/L)	RL	RESULT (µg/L)	RL
2-AMINO-4,6-DNT	ND	0.25	ND	0.25	ND	0.25	ND	0.4	ND	0.4
4-AMINO-2,6-DNT	ND	0.25	ND	0.25	ND	0.25	ND	0.9	ND	0.9
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	ND	1	ND	1	ND	1	ND	0.2	ND	0.2
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	ND	0.84	ND	0.84	ND	0.84	ND	0.2	ND	0.2
1,3,5-TRINITROBENZENE (1,3,5-TNB)	ND	0.26	ND	0.26	ND	0.26	ND	0.1	ND	0.1
1,3-DINITROBENZENE (1,3-DNB)	ND	0.25	ND	0.25	ND	0.25	ND	0.2	ND	0.2
TETRYL	ND	1	ND	1	ND	1	ND	0.6	ND	0.6
NITROBENZENE (NB)	ND	1	ND	1	ND	1	ND	0.4	ND	0.4
NITROGLYCERIN	NA	-	NA	-	NA	-	NA	-	NA	-
PENTAERYTHRITOL TETRANITRITE	NA	-	NA	-	NA	-	NA	-	NA	-
2,4,6-TRINITROTOLUENE (2,4,6-TNT)	ND	0.25	ND	0.25	ND	0.25	ND	0.6	ND	0.6
2,4-DINITROTOLUENE(2,4-DNT)	ND	0.25	ND	0.25	ND	0.25	ND	0.4	ND	0.4
2,6-DINITROTOLUENE(2,6-DNT)	ND	0.25	ND	0.25	ND	0.25	ND	0.4	ND	0.4
o-NITROTOLUENE (2-NT)	ND	1	ND	1	ND	1	ND	0.2	ND	0.2
p-NITROTOLUENE (4-NT)	ND	1	ND	1	ND	1	ND	0.3	ND	0.3
m-NITROTOLUENE (3-NT)	ND	1	ND	1	ND	1	ND	0.2	ND	0.2

PAR - Paragon Analytics, Inc.
PIN - Pinnacle Laboratories, Inc.
RL - Reporting Limit
NA - Not analyzed or not available
ND - Not Detected
§ - Sample out of hold time
J - Indicates an estimate value
Method Used: SW 846 8330
Note: Bolded sample stations are Cerro Grande fire related

Table 10 cont. - NMED DOE Oversight Bureau Ground-Water Quality Results: High Explosive Compounds.

SPRINGS

White Rock Canyon (Continued)

SAMPLE ID:	Ancho Spring§	PIN	Spring 9A§	PIN	Spring 9C§	PIN
SAMPLING DATE:	9/26/00		9/26/00		9/26/00	
	RESULT (µg/L)	RL	RESULT (µg/L)	RL	RESULT (µg/L)	RL
2-AMINO-4,6-DNT	ND	0.4	ND	0.4	ND	0.4
4-AMINO-2,6-DNT	ND	0.9	ND	0.9	ND	0.9
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	ND	0.2	ND	0.2	ND	0.2
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	ND	0.2	ND	0.2	ND	0.2
1,3,5-TRINITROBENZENE (1,3,5-TNB)	ND	0.1	ND	0.1	ND	0.1
1,3-DINITROBENZENE (1,3-DNB)	ND	0.2	ND	0.2	ND	0.2
TETRYL	ND	0.6	ND	0.6	ND	0.6
NITROBENZENE (NB)	ND	0.4	ND	0.4	ND	0.4
NITROGLYCERIN	NA	-	NA	-	NA	-
PENTAERYTHRITOL TETRANITRITE	NA	-	NA	-	NA	-
2,4,6-TRINITROTOLUENE (2,4,6-TNT)	ND	0.6	ND	0.6	ND	0.6
2,4-DINITROTOLUENE(2,4-DNT)	ND	0.4	ND	0.4	ND	0.4
2,6-DINITROTOLUENE(2,6-DNT)	ND	0.4	ND	0.4	ND	0.4
o-NITROTOLUENE (2-NT)	ND	0.2	ND	0.2	ND	0.2
p-NITROTOLUENE (4-NT)	ND	0.3	ND	0.3	ND	0.3
m-NITROTOLUENE (3-NT)	ND	0.2	ND	0.2	ND	0.2

PAR - Paragon Analytics, Inc.
PIN - Pinnacle Laboratories, Inc.
RL - Reporting Limit
NA - Not analyzed or not available
ND - Not Detected
§ - Sample out of hold time
J - Indicates an estimate value
Method Used: SW 846 8330
Note: Bolded sample stations are Cerro Grande fire related

Table 11 - NMED DOE Oversight Bureau Ground-Water Quality Results: Volatile Organic Compounds.

WELLS

SAMPLE ID:	R-22 (during-drilling sample)	
SAMPLING DATE:	9/30/00	PIN
UNITS	ug/L	DL
PARAMETER		
ACETONE	400	10
ACROLEIN	ND	5.0
ACRYLONITRILE	ND	5.0
BENZENE	ND	1.0
BROMOBENZENE	ND	1.0
BROMOCHLOROMETHANE	ND	1.0
BROMODICHLOROMETHANE	ND	1.0
BROMOFORM	ND	1.0
BROMOMETHANE	ND	1.0
2-BUTANONE (MEK)	ND	10
n-BUTYLBENZENE	ND	1.0
sec-BUTYLBENZENE	ND	1.0
tert-BUTYLBENZENE	ND	1.0
tert-BUTYL METHYL ETHER (MTBE)	NA	-
CARBON DISULFIDE	ND	1.0
CARBON TETRACHLORIDE	ND	1.0
CHLOROBENZENE	ND	1.0
CHLORODIBROMOMETHANE	NA	-
CHLOROETHANE	ND	1.0
2-CHLOROETHYL VINYL ETHER	ND	10
CHLOROFORM	ND	1.0
CHLOROMETHANE	ND	1.0
2-CHLOROTOLUENE	ND	1.0
4-CHLOROTOLUENE	ND	1.0
1,2-DIBROMO-3-CHLOROPROPANE	ND	1.0
DIBROMOCHLOROMETHANE	ND	1.0
1,2-DIBROMOETHANE (EDB)	ND	1.0
DIBROMOMETHANE	ND	1.0
1,2-DICHLOROBENZENE	ND	1.0
1,3-DICHLOROBENZENE	ND	1.0
1,4-DICHLOROBENZENE	ND	1.0
TRANS-1,4-DICHLORO-2-BUTENE	ND	1.0
DICHLORODIFLUOROMETHANE	ND	1.0
1,1-DICHLOROETHANE	ND	1.0
1,2-DICHLOROETHANE (EDC)	ND	1.0
1,1-DICHLOROETHENE	ND	1.0
CIS–1,2-DICHLOROETHENE	ND	1.0
TRANS–1,2-DICHLOROETHENE	ND	1.0
TRANS–1,2-DICHLOROETHYLENE	NA	-
1,1-DICHLOROPROPENE	ND	1.0
1,2-DICHLOROPROPANE	ND	1.0
1,3-DICHLOROPROPANE	ND	1.0
CIS–1,3-DICHLOROPROPENE	ND	1.0
2,2-DICHLOROPROPANE	ND	1.0
2,2-DICHLOROPROPENE	NA	-
TRANS–1,3-DICHLOROPROPENE	ND	1.0
ETHYLBENZENE	ND	1.0
2-HEXANONE	ND	10
HEXACHLOROBUTADIENE	ND	1.0
IODOMETHANE	ND	1.0
ISOPROPYLBENZENE	ND	1.0
p-ISOPROPYLTOLUENE	ND	1.0
METHYL-t-BUTYL ETHER	ND	1.0
4-METHYL-2-PENTANONE	ND	10
1-METHYLNAPHTHALENE	NA	-
2-METHYLNAPHTHALENE	NA	-
4-ISOPROPYLTOLUENE	NA	-
METHYLENE CHLORIDE	ND	1.0
NAPHTHALENE	ND	1.0
n-PROPYLBENZENE	ND	1.0
PROPYLBENZENE	NA	-
STYRENE	ND	1.0
1,1,1,2-TETRACHLOROETHANE	ND	1.0
1,1,2,2-TETRACHLOROETHANE	ND	1.0
TETRACHLOROETHENE	ND	1.0
TETRAHYDROFURAN (THF)	NA	-
TOLUENE	ND	1.0
1,2,3-TRICHLOROBENZENE	ND	1.0
1,2,4-TRICHLOROBENZENE	ND	1.0
1,1,1-TRICHLOROETHANE	ND	1.0
1,1,2-TRICHLOROETHANE	ND	1.0
TRICHLOROETHENE	ND	1.0
TRICHLOROFLUOROMETHANE	ND	1.0
1,2,3-TRICHLOROPROPANE	ND	1.0
TRICHLOROTRIFLUOROETHANE	NA	-
1,1,2-TRICHLORO-2,2,1-TRIFLUOROETHANE	NA	-
1,2,4-TRIMETHYLBENZENE	ND	1.0
1,3,5-TRIMETHYLBENZENE	ND	1.0
VINYL ACETATE	ND	1.0
VINYL CHLORIDE	ND	1.0
o-XYLENE	ND	1.0
p- & m-XYLENE	ND	1.0
TOTAL XYLENES	NA	-

PIN - Pinnacle Laboratories, Inc.
DL - Detection Limit
NA - Not analyzed or not available
ND - Not Detected
METHOD USED: SW 846 8260

Table 12 - NMED DOE Oversight Bureau Ground-Water Quality Results: Polynuclear Aromatic Hydrocarbons.

SPRINGS

Pajarito Canyon Watershed

SAMPLE ID:	Bulldog Spring		Charlie's Spring		Homestead Spring		Kieling Spring		Starmer Spring	
SAMPLING DATE:	6/15/00	PAR	6/15/00	PAR	6/15/00	PAR	6/15/00	PAR	6/15/00	PAR
UNITS	ug/L	DL	ug/L	DL	ug/L	DL	ug/L	DL	ug/L	DL
PARAMETER										
1-METHYLNAPHTHALENE	ND	1	ND	1	ND	1	ND	1	ND	1.1
2-METHYLNAPHTHALENE	ND	1	ND	1	ND	1	ND	1	ND	1.1
ACENAPHTHYLENE	ND	1	ND	1	ND	1	ND	1	ND	1.1
ACENAPTHENE	ND	1	ND	1	ND	1	ND	1	ND	1.1
ANTHRACENE	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.11
BENZO(A)ANTHRACENE	ND	0.05	ND	0.05	ND	0.051	ND	0.051	ND	0.053
BENZO(A)PYRENE	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.11
BENZO(B)FLUORANTHENE	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.11
BENZO(G,H,I)PERYLENE	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.11
BENZO(K)FLUORANTHENE	ND	0.05	ND	0.05	ND	0.051	ND	0.051	ND	0.053
CHRYSENE	ND	0.05	ND	0.05	ND	0.051	ND	0.051	ND	0.053
DIBENZO(A,H)ANTHRACENE	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.11
FLUORANTHENE	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.11
FLUORENE	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.11
INDENO(1,2,3-CD)PYRENE	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.11
NAPHTHALENE	ND	0.5	ND	0.5	ND	0.51	ND	0.51	ND	0.53
PHENANTHRENE	ND	0.05	ND	0.05	ND	0.051	ND	0.051	ND	0.053
PYRENE	ND	0.05	ND	0.05	ND	0.051	ND	0.051	ND	0.053

PAR - Paragon Analytics, Inc.
PIN - Pinnacle Laboratories, Inc.
DL - Detection Limit
NA - Not analyzed or not available
ND - Not Detected
Note: Bolded sample stations are Cerro Grande fire related
Method: SW 8310

Table 13 - NMED DOE Oversight Bureau Ground-Water Quality Results: Dioxins and Furans.

WELLS **Los Alamos Canyon Watershed**

SAMPLE ID:	**POI-4**				
SAMPLING DATE:	7/19/00				
LAB:	PIN				
		Concentration pg/g (ppt)	TEQcalc	DL	TEQcalc
Congener	**WHO-TEF**				
PCDDs					
2,3,7,8-TCDD	1	ND	0	0.10	0.05
1,2,3,7,8-PeCDD	1	ND	0	0.20	0.1
1,2,3,4,7,8-HxCDD	0.1	ND	0	0.07	0.0035
1,2,3,6,7,8-HxCDD	0.1	ND	0	0.09	0.0045
1,2,3,7,8,9-HxCDD	0.1	ND	0	0.09	0.0045
1,2,3,4,6,7,8-HpCDD	0.01	ND	0	0.10	0.0005
OCDD	0.0001	0.31	0.000031	0.20	0.00001
PCDFs					
2,3,7,8-TCDF	0.1	ND	0	0.09	0.0045
1,2,3,7,8-PeCDF	0.05	ND	0	0.10	0.0025
2,3,4,7,8-PeCDF	0.5	ND	0	0.10	0.025
1,2,3,4,7,8-HxCDF	0.1	ND	0	0.08	0.004
1,2,3,6,7,8-HxCDF	0.1	ND	0	0.09	0.0045
1,2,3,7,8,9-HxCDF	0.1	ND	0	0.09	0.0045
2,3,4,6,7,8-HxCDF	0.1	ND	0	0.09	0.0045
1,2,3,4,6,7,8-HpCDF	0.01	ND	0	0.10	0.0005
1,2,3,4,7,8,9-HpCDF	0.01	ND	0	0.10	0.0005
OCDF	0.0001	0.38	0.000038	0.10	0.000005
		TEQ Dioxin/Furan Minimum*	0.000069	pg/g (ppt)	0.213515
		TEQ Dioxin/Furan Maximum**	0.213584	pg/g (ppt)	
Non-ortho-PCBs					
3,3,4,4-Tetrachlorobiphenyl (77)	0.0001		0.0001		FALSE
3,4,4,5-Tetrachlorobiphenyl (81)	0.0001		0.0001		FALSE
3,3,4,4,5-Pentachlorobiphenyl (126)	0.1		0.1		FALSE
3,3,4,4,5,5-Hexachlorobiphenyl (169)	0.01		0.01		FALSE
Mono-ortho-PCBs					
2,3,3,4,4-Pentachlorobiphenyl (105)	0.0001		0.0001		FALSE
2,3,4,4,5-Pentachlorobiphenyl (114)	0.0005		0.0005		FALSE
2,3,4,4,5-Pentachlorobiphenyl (118)	0.0001		0.0001		FALSE
2,3,4,4,5-Pentachlorobiphenyl (123)	0.0001		0.0001		FALSE
2,3,3,4,4,5-Hexachlorobiphenyl (156)	0.0005		0.0005		FALSE
2,3,3,4,4,5-Hexachlorobiphenyl (157)	0.0005		0.0005		FALSE
2,3,4,4,5,5-Hexachlorobiphenyl (167)	0.00001		0.00001		FALSE
2,3,3,4,4,5,5-Heptachlorobiphenyl (189)	0.0001		0.0001		FALSE
		TEQ (PCBS) Minimum*	0.11211		0
		TEQ (PCBS) Maximum**	0.11211		
	Total TEQ (Dioxin/Furan/PCB) Minimum*		0.112179		
	Total TEQ (Dioxin/Furan/PCB) Maximum**		0.325694		

PAR - Paragon Analytics, Inc.
PIN - Pinnacle Laboratories, Inc.
DL - Detection Limit
NA - Not analyzed or not available
ND - Not Detected
Note: Bolded sample stations are Cerro Grande fire related
*** Toxicity Equevalent Quotient (TEQ) minimum is the sum of the products of all Dioxin/Furan and/or PCB congener detections multiplied by each one's respective Toxic Equivalency**
**** Toxicity Equevalent Quotient (TEQ) maximum is the sum of the products of all Dioxin/Furan and/or PCB Congener detections multiplied by each one's respective Toxic**
METHOD: 8280a Rev.1 (12/96)

Table 13 - NMED DOE Oversight Bureau Ground-Water Quality Results: Dioxins and Furans.

WELLS Mortandad Canyon Watershed

SAMPLE ID:	MCO-2				
SAMPLING DATE:	7/17/00				
LAB:	PIN				
		Concentration pg/g (ppt)	TEQcalc	DL	TEQcalc
Congener	WHO-TEF				
PCDDs					
2,3,7,8-TCDD	1	ND	0	0.30	0.15
1,2,3,7,8-PeCDD	1	ND	0	0.60	0.3
1,2,3,4,7,8-HxCDD	0.1	ND	0	0.20	0.01
1,2,3,6,7,8-HxCDD	0.1	ND	0	0.20	0.01
1,2,3,7,8,9-HxCDD	0.1	ND	0	0.20	0.01
1,2,3,4,6,7,8-HpCDD	0.01	ND	0	0.30	0.0015
OCDD	0.0001	ND	0	0.50	0.000025
PCDFs					
2,3,7,8-TCDF	0.1	ND	0	0.30	0.015
1,2,3,7,8-PeCDF	0.05	ND	0	0.30	0.0075
2,3,4,7,8-PeCDF	0.5	ND	0	0.40	0.1
1,2,3,4,7,8-HxCDF	0.1	ND	0	0.20	0.01
1,2,3,6,7,8-HxCDF	0.1	ND	0	0.20	0.01
1,2,3,7,8,9-HxCDF	0.1	ND	0	0.20	0.01
2,3,4,6,7,8-HxCDF	0.1	ND	0	0.20	0.01
1,2,3,4,6,7,8-HpCDF	0.01	ND	0	0.20	0.001
1,2,3,4,7,8,9-HpCDF	0.01	ND	0	0.20	0.001
OCDF	0.0001	ND	0	0.50	0.000025
		TEQ Dioxin/Furan Minimum*	0	pg/g (ppt)	0.64605
		TEQ Dioxin/Furan Maximum**	0.64605	pg/g (ppt)	
Non-ortho-PCBs					
3,3,4,4-Tetrachlorobiphenyl (77)	0.0001		0.0001		FALSE
3,4,4,5-Tetrachlorobiphenyl (81)	0.0001		0.0001		FALSE
3,3,4,4,5-Pentachlorobiphenyl (126)	0.1		0.1		FALSE
3,3,4,4,5,5-Hexachlorobiphenyl (169)	0.01		0.01		FALSE
Mono-ortho-PCBs					
2,3,3,4,4-Pentachlorobiphenyl (105)	0.0001		0.0001		FALSE
2,3,4,4,5-Pentachlorobiphenyl (114)	0.0005		0.0005		FALSE
2,3,4,4,5-Pentachlorobiphenyl (118)	0.0001		0.0001		FALSE
2,3,4,4,5-Pentachlorobiphenyl (123)	0.0001		0.0001		FALSE
2,3,3,4,4,5-Hexachlorobiphenyl (156)	0.0005		0.0005		FALSE
2,3,3,4,4,5-Hexachlorobiphenyl (157)	0.0005		0.0005		FALSE
2,3,4,4,5,5-Hexachlorobiphenyl (167)	0.00001		0.00001		FALSE
2,3,3,4,4,5,5-Heptachlorobiphenyl (189)	0.0001		0.0001		FALSE
		TEQ (PCBS) Minimum*	0.11211		0
		TEQ (PCBS) Maximum**	0.11211		
	Total TEQ (Dioxin/Furan/PCB) Minimum*		0.11211		
	Total TEQ (Dioxin/Furan/PCB) Maximum**		0.75816		

PAR - Paragon Analytics, Inc.
PIN - Pinnacle Laboratories, Inc.
DL - Detection Limit
NA - Not analyzed or not available
ND - Not Detected
Note: Bolded sample stations are Cerro Grande fire related
* Toxicity Equevalent Quotient (TEQ) minimum is the sum of the products of all Dioxin/Furan and/or PCB congener detections multiplied by each one's respective Toxic
** Toxicity Equevalent Quotient (TEQ) maximum is the sum of the products of all Dioxin/Furan and/or PCB Congener detections multiplied by each one's respective Toxic
METHOD: 8280a Rev.1 (12/96)

Table 13 - NMED DOE Oversight Bureau Ground-Water Quality Results: Dioxins and Furans.

WELLS **Mortandad Canyon Watershed (Continued)**

SAMPLE ID:	**MCO-3**				
SAMPLING DATE:	7/17/00				
LAB:	PIN				
		Concentration pg/g (ppt)	TEQcalc	DL	TEQcalc
Congener	WHO-TEF				
PCDDs					
2,3,7,8-TCDD	1	ND	0	0.30	0.15
1,2,3,7,8-PeCDD	1	ND	0	0.60	0.3
1,2,3,4,7,8-HxCDD	0.1	ND	0	0.20	0.01
1,2,3,6,7,8-HxCDD	0.1	ND	0	0.20	0.01
1,2,3,7,8,9-HxCDD	0.1	ND	0	0.20	0.01
1,2,3,4,6,7,8-HpCDD	0.01	ND	0	0.30	0.0015
OCDD	0.0001	ND	0	0.40	0.00002
PCDFs					
2,3,7,8-TCDF	0.1	ND	0	0.30	0.015
1,2,3,7,8-PeCDF	0.05	ND	0	0.30	0.0075
2,3,4,7,8-PeCDF	0.5	ND	0	0.30	0.075
1,2,3,4,7,8-HxCDF	0.1	ND	0	0.10	0.005
1,2,3,6,7,8-HxCDF	0.1	ND	0	0.10	0.005
1,2,3,7,8,9-HxCDF	0.1	ND	0	0.10	0.005
2,3,4,6,7,8-HxCDF	0.1	ND	0	0.10	0.005
1,2,3,4,6,7,8-HpCDF	0.01	ND	0	0.20	0.001
1,2,3,4,7,8,9-HpCDF	0.01	ND	0	0.20	0.001
OCDF	0.0001	ND	0	0.40	0.00002
		TEQ Dioxin/Furan Minimum*	0	pg/g (ppt)	0.60104
		TEQ Dioxin/Furan Maximum**	0.60104	pg/g (ppt)	
Non-ortho-PCBs					
3,3,4,4-Tetrachlorobiphenyl (77)	0.0001		0.0001		FALSE
3,4,4,5-Tetrachlorobiphenyl (81)	0.0001		0.0001		FALSE
3,3,4,4,5-Pentachlorobiphenyl (126)	0.1		0.1		FALSE
3,3,4,4,5,5-Hexachlorobiphenyl (169)	0.01		0.01		FALSE
Mono-ortho-PCBs					
2,3,3,4,4-Pentachlorobiphenyl (105)	0.0001		0.0001		FALSE
2,3,4,4,5-Pentachlorobiphenyl (114)	0.0005		0.0005		FALSE
2,3,4,4,5-Pentachlorobiphenyl (118)	0.0001		0.0001		FALSE
2,3,4,4,5-Pentachlorobiphenyl (123)	0.0001		0.0001		FALSE
2,3,3,4,4,5-Hexachlorobiphenyl (156)	0.0005		0.0005		FALSE
2,3,3,4,4,5-Hexachlorobiphenyl (157)	0.0005		0.0005		FALSE
2,3,4,4,5,5-Hexachlorobiphenyl (167)	0.00001		0.00001		FALSE
2,3,3,4,4,5,5-Heptachlorobiphenyl (189)	0.0001		0.0001		FALSE
		TEQ (PCBS) Minimum*	0.11211		0
		TEQ (PCBS) Maximum**	0.11211		
	Total TEQ (Dioxin/Furan/PCB) Minimum*		0.11211		
	Total TEQ (Dioxin/Furan/PCB) Maximum**		0.71315		

PAR - Paragon Analytics, Inc.
PIN - Pinnacle Laboratories, Inc.
DL - Detection Limit
NA - Not analyzed or not available
ND - Not Detected
Note: Bolded sample stations are Cerro Grande fire related
*** Toxicity Equevalent Quotient (TEQ) minimum is the sum of the products of all Dioxin/Furan and/or PCB congener detections multiplied by each one's respective Toxic Equivalency**
**** Toxicity Equevalent Quotient (TEQ) maximum is the sum of the products of all Dioxin/Furan and/or PCB Congener detections multiplied by each one's respective Toxic Equivalency**
METHOD: 8280a Rev.1 (12/96)