Permit

Los Alamos
NATIONAL LABORATORY
EST. 1943

Environmental Stewardship Division
P.O. Box 1663, Mail Stop J591
Los Alamos, New Mexico 87545
(505) 667-2211/FAX: (505) 665-8190

Date: February 28, 2005
Refer To: ENV-DO: 05-013

RECEIVED
MAR 2005
NMED Hazardous Waste Bureau

Ms. Waudelle Strickley
U.S. Environmental Protection Agency, Region 6
Compliance Assurance and Enforcement Division
Water Enforcement Branch (6EN-WC)
1445 Ross Avenue, Suite 1200
Dallas, Texas 75202-2733

SUBJECT: WSAL EXCEEDANCE REPORT, REQUIRED BY THE FEDERAL FACILITIES COMPLIANCE AGREEMENT (FFCA) DOCKET NO. CWA-06-2005-1701 AT LOS ALAMOS NATIONAL LABORATORY

Dear Ms. Strickley:

Enclosed are one original and one copy of the wSAL Monitoring Exceedance Report for Storm Water Discharges from Site-Specific Monitoring at Solid Waste Management Units (SWMUs) and watershed gaging stations at Los Alamos National Laboratory (Enclosure 1). This report is being submitted by the U.S. Department of Energy (DOE) and the University of California (UC) in accordance with the requirements of the Federal Facilities Compliance Agreement (FFCA) Docket No. CWA-06-2005-1701, dated February 3, 2005. As specified in Section V. Reporting, 25: "*Exceedances of water screening action levels (wSALs) shall be reported in writing to EPA and NMED monthly by the 28th day of the following month for which analytical results are received*". This report includes the analytical results that exceeded the wSALs, and other information requested by EPA and NMED during the development of the enclosed tables. This report reflects all results collected for calendar year 2004 prior to the finalization of the FFCA. Future monthly reports will reflect the results received during each monitoring period.

Per your request, we have also included radioactive constituent results for storm water discharges from site-specific monitoring at SWMUs and watershed gaging stations that exceed established DOE Derived Concentration Guidelines (DCGs) (Enclosure 2). The radioactive constituent data is summarized in tables similar to the wSAL Exceedance Tables. Please note that radioactive constituent data is not required by the FFCA, and is being reported separately from the wSAL Exceedance Report.

The format of this report was reviewed and agreed upon by the Surface Water Assessment Team (SWAT) which consists of staff members from the New Mexico Environment Department (NMED) Surface Water Bureau and Hazardous Waste Bureau, the NMED Oversight Bureau (DOE-OB), DOE, and UC. Follow up corrective actions required by these exceedances have either been completed or are scheduled for completion as weather permits. Detailed information concerning corrective actions will be provided in the first quarterly FFCA Report.

If you need additional information regarding this report, please contact Steve Veenis, at (505) 667-0013 or Gene Turner, at (505) 667-5794.

Sincerely,

Kenneth M. Hargis

Kenneth M. Hargis
Acting Division Leader
Environmental Stewardship Division

KMH:SV/tml

Enclosures: a/s

Cy: Taylor Sharpe, USEPA, Region 6, Dallas, TX, w/enc.
John Young, NMED-HWB, Santa Fe, NM, w/enc.
Marcy Leavitt, NMED-SWQB, Santa Fe, NM, w/enc.
Ralph Ford-Schmid, NMED/DOE-OB, Santa Fe, NM, w/enc.
Gene Turner, NNSA/LASO, w/enc., MS A316
John Ordaz, NNSA/LASO, w/o enc., MS A316
Carolyn Mangeng, ADTS, w/o enc., MS A104
Doug Stavert, ENV-DO, w/o enc., MS J591
Victoria George, ENV-DO, w/o enc., MS J591
David McInroy, ENV-RS, w/enc., MS M992
Steven Rae, ENV-WQH, w/o enc., MS K497
Tina Sandoval, ENV-WQH, w/o enc., MS K497
Mike Saladen, ENV/WQH, w/o enc., MS K497
Steve Veenis, ENV/WQH, w/enc., MS K497
Phil Wardwell, LC-ESH, w/ enc., MS A187
ENV-WQH File (05-041), w/enc., MS K497
ENV-DO Files, w/enc., MS J591
IM-5, w/enc., MS A150

Certification Statement:

Pursuant to 40 C.F.R. § 122.22(d) and Page 11, Paragraph 31 of the Federal Facilities Compliance Agreement (FFCA) Docket No. CWA-06-2005-1701:

"I certify under penalty of law that this document and all accompanying attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Kenneth M. Hargis Date 2/28/05

Kenneth M. Hargis
Acting Division Leader
Environmental Stewardship Division (ENV-DO)

Site-Specific Storm Water Runoff Monitoring, 2004
Analytical Results greater than wSAL
Summary for Potential Non-Laboratory Derived Pollutants

SMA ID	F/UF	Analytical Suite	Analyte	Number of Analyses	Number of Detects	Frequency of Detect (%)	Number > wSAL	Frequency > wSAL (%)	Summary of Detected Results				
									Average	Minimum	Maximum	wSAL	Units
ACID-SMA-2	UF	GENINORG	Chemical Oxygen Demand	1	1	100	1	100	161	161	161	120	mg/L
	UF	GENINORG	Magnesium	1	1	100	1	100	5.84	5.84	5.84	0.0636	mg/L
	UF	METALS	Aluminum	1	1	100	1	100	34200	34200	34200	5000	ug/L
B-SMA-1	UF	GENINORG	Chemical Oxygen Demand	5	5	100	4	80	657.2	92.2	2020	120	mg/L
	UF	GENINORG	Magnesium	5	5	100	5	100	12.79	0.783	23.9	0.0636	mg/L
	UF	METALS	Aluminum	5	5	100	4	80	75210	2250	140000	5000	ug/L
DP-SMA-1	UF	GENINORG	Chemical Oxygen Demand	4	4	100	1	25	122.6	57.5	277	120	mg/L
	UF	GENINORG	Magnesium	4	4	100	4	100	27.1	11.3	45.4	0.0636	mg/L
LA-SMA-1	UF	GENINORG	Chemical Oxygen Demand	5	5	100	5	100	792	235	1630	120	mg/L
	UF	GENINORG	Magnesium	5	5	100	5	100	31.3	22.5	55.9	0.0636	mg/L
	UF	METALS	Aluminum	5	5	100	5	100	151640	97200	253000	5000	ug/L
LA-SMA-2	UF	GENINORG	Magnesium	4	4	100	4	100	1.95	1.14	2.97	0.0636	mg/L
	UF	METALS	Aluminum	4	4	100	2	50	8295	4170	12400	5000	ug/L
LA-SMA-3	UF	GENINORG	Chemical Oxygen Demand	4	4	100	4	100	146	124	160	120	mg/L
	UF	GENINORG	Magnesium	4	4	100	4	100	2.82	1.75	4.93	0.0636	mg/L
	UF	METALS	Aluminum	4	4	100	4	100	12013	6080	23300	5000	ug/L
LA-SMA-4	UF	GENINORG	Chemical Oxygen Demand	4	4	100	4	100	345	142	485	120	mg/L
	UF	GENINORG	Magnesium	4	4	100	4	100	7.53	4.05	12.3	0.0636	mg/L
	UF	METALS	Aluminum	4	4	100	4	100	48950	27300	79300	5000	ug/L
LA-SMA-5	UF	GENINORG	Chemical Oxygen Demand	1	1	100	1	100	510	510	510	120	mg/L
	UF	GENINORG	Magnesium	1	1	100	1	100	16.4	16.4	16.4	0.0636	mg/L
	UF	METALS	Aluminum	1	1	100	1	100	80800	80800	80800	5000	ug/L
LA-SMA-6	UF	GENINORG	Chemical Oxygen Demand	1	1	100	1	100	652	652	652	120	mg/L
	UF	GENINORG	Magnesium	2	2	100	2	100	13.1	10.7	15.5	0.0636	mg/L
	UF	METALS	Aluminum	2	2	100	2	100	80900	57800	104000	5000	ug/L
LA-SMA-7	UF	GENINORG	Magnesium	1	1	100	1	100	2.1	2.1	2.1	0.0636	mg/L
	UF	METALS	Aluminum	1	1	100	1	100	8220	8220	8220	5000	ug/L
LA-SMA-10	UF	GENINORG	Magnesium	1	1	100	1	100	3.33	3.33	3.33	0.0636	mg/L

Site-Specific Storm Water Runoff Monitoring, 2004
Analytical Results greater than wSAL
Summary for Potential Non-Laboratory Derived Pollutants

SMA ID	F/UF	Analytical Suite	Analyte	Number of Analyses	Number of Detects	Frequency of Detect (%)	Number > wSAL	Frequency > wSAL (%)	Summary of Detected Results				
									Average	Minimum	Maximum	wSAL	Units
S-SMA-1	UF	GENINORG	Chemical Oxygen Demand	7	7	100	5	71.4	204.7	79.4	503	120	mg/L
	UF	GENINORG	Magnesium	7	7	100	7	100	20.8	5.92	45.2	0.0636	mg/L
S-SMA-2	UF	GENINORG	Magnesium	5	5	100	5	100	4.26	2.9	6.72	0.0636	mg/L
	UF	METALS	Aluminum	4	4	100	4	100	13445	6980	16900	5000	ug/L
S-SMA-3	UF	GENINORG	Chemical Oxygen Demand	1	1	100	1	100	248	248	248	120	mg/L
	UF	GENINORG	Magnesium	2	2	100	2	100	20.0	11.5	28.5	0.0636	mg/L
	UF	METALS	Aluminum	2	2	100	2	100	107900	65800	150000	5000	ug/L
S-SMA-4	UF	GENINORG	Chemical Oxygen Demand	4	3	75	1	25	106.7	27.2	193	120	mg/L
	UF	GENINORG	Magnesium	4	4	100	4	100	6.76	4.16	9.69	0.0636	mg/L
	UF	METALS	Aluminum	4	4	100	4	100	23988	7350	40600	5000	ug/L
S-SMA-5	UF	GENINORG	Magnesium	1	1	100	1	100	13.4	13.4	13.4	0.0636	mg/L
	UF	METALS	Aluminum	1	1	100	1	100	65900	65900	65900	5000	ug/L
S-SMA-6	UF	GENINORG	Chemical Oxygen Demand	1	1	100	1	100	2980	2980	2980	120	mg/L
	UF	GENINORG	Magnesium	1	1	100	1	100	9.39	9.39	9.39	0.0636	mg/L
M-SMA-1	UF	GENINORG	Chemical Oxygen Demand	3	3	100	1	33.3	138	117	179	120	mg/L
	UF	GENINORG	Magnesium	4	4	100	4	100	2.37	1.73	3.65	0.0636	mg/L
	UF	METALS	Aluminum	4	4	100	3	75	9355	4070	18900	5000	ug/L
M-SMA-2	UF	GENINORG	Chemical Oxygen Demand	2	2	100	1	50	80.1	37.2	123	120	mg/L
	UF	GENINORG	Magnesium	2	2	100	2	100	9.98	5.75	14.2	0.0636	mg/L
	UF	METALS	Aluminum	2	2	100	2	100	62050	37100	87000	5000	ug/L
M-SMA-3	UF	GENINORG	Chemical Oxygen Demand	3	3	100	2	66.7	226.23	9.68	508	120	mg/L
	UF	GENINORG	Magnesium	3	3	100	3	100	5.68	3.82	6.91	0.0636	mg/L
	UF	METALS	Aluminum	3	3	100	3	100	32533	22600	40400	5000	ug/L
M-SMA-4	UF	GENINORG	Chemical Oxygen Demand	5	5	100	1	20	128.6	28.3	430	120	mg/L
	UF	GENINORG	Magnesium	5	5	100	5	100	3.88	1.78	10.2	0.0636	mg/L
	UF	METALS	Aluminum	5	5	100	4	80	18090	4710	56400	5000	ug/L
M-SMA-5	UF	GENINORG	Chemical Oxygen Demand	4	4	100	4	100	274	127	429	120	mg/L
	UF	GENINORG	Magnesium	4	4	100	4	100	5.70	1.91	8.24	0.0636	mg/L
	UF	METALS	Aluminum	4	4	100	4	100	34550	12600	46600	5000	ug/L
M-SMA-6	UF	GENINORG	Chemical Oxygen Demand	4	4	100	4	100	255	134	408	120	mg/L
	UF	GENINORG	Magnesium	4	4	100	4	100	5.03	1.62	9.02	0.0636	mg/L
	UF	METALS	Aluminum	4	4	100	4	100	27173	7690	46900	5000	ug/L
M-SMA-8	UF	GENINORG	Chemical Oxygen Demand	4	4	100	2	50	144	22	245	120	mg/L
	UF	GENINORG	Magnesium	4	4	100	4	100	4.77	2.76	7.14	0.0636	mg/L
	UF	METALS	Aluminum	4	4	100	4	100	25300	13300	42300	5000	ug/L

Site-Specific Storm Water Runoff Monitoring, 2004
Analytical Results greater than wSAL
Summary for Potential Non-Laboratory Derived Pollutants

SMA ID	F/UF	Analytical Suite	Analyte	Number of Analyses	Number of Detects	Frequency of Detect (%)	Number > wSAL	Frequency > wSAL (%)	Summary of Detected Results				
									Average	Minimum	Maximum	wSAL	Units
M-SMA-9	UF	GENINORG	Chemical Oxygen Demand	4	4	100	2	50	126.6	67.3	184	120	mg/L
	UF	GENINORG	Magnesium	4	4	100	4	100	4.16	2.02	9.95	0.0636	mg/L
	UF	METALS	Aluminum	4	4	100	4	100	23475	11700	57400	5000	ug/L
M-SMA-11	UF	GENINORG	Chemical Oxygen Demand	5	5	100	4	80	175.1	77.3	253	120	mg/L
	UF	GENINORG	Magnesium	5	5	100	5	100	1.51	0.375	2.32	0.0636	mg/L
	UF	METALS	Aluminum	5	5	100	3	60	10029	917	15900	5000	ug/L
M-SMA-12	UF	GENINORG	Chemical Oxygen Demand	1	1	100	1	100	124	124	124	120	mg/L
	UF	GENINORG	Magnesium	1	1	100	1	100	2.73	2.73	2.73	0.0636	mg/L
	UF	METALS	Aluminum	1	1	100	1	100	15200	15200	15200	5000	ug/L
M-SMA-13	UF	GENINORG	Chemical Oxygen Demand	5	5	100	3	60	788.3	62.2	2670	120	mg/L
	UF	GENINORG	Magnesium	5	5	100	5	100	14.3	11.1	18.1	0.0636	mg/L
Pratt-SMA-1	UF	GENINORG	Chemical Oxygen Demand	5	5	100	3	60	261.3	53.3	564	120	mg/L
	UF	GENINORG	Magnesium	5	5	100	5	100	25.85	5.16	57.6	0.0636	mg/L
	UF	METALS	Aluminum	5	5	100	5	100	126720	30300	277000	5000	ug/L
T-SMA-1	UF	GENINORG	Chemical Oxygen Demand	2	1	50	1	50	171	171	171	120	mg/L
	UF	GENINORG	Magnesium	4	4	100	4	100	3.088	0.744	9.85	0.0636	mg/L
	UF	METALS	Aluminum	3	3	100	1	33.3	23203	1370	65100	5000	ug/L
T-SMA-2	UF	GENINORG	Chemical Oxygen Demand	5	5	100	2	40	131.2	48.2	253	120	mg/L
	UF	GENINORG	Magnesium	5	5	100	5	100	2.274	0.941	4.03	0.0636	mg/L
T-SMA-3	UF	GENINORG	Chemical Oxygen Demand	5	5	100	4	80	174.8	79.2	336	120	mg/L
	UF	GENINORG	Magnesium	5	5	100	5	100	4.53	2.68	6.59	0.0636	mg/L
	UF	METALS	Aluminum	5	5	100	5	100	24120	12600	39400	5000	ug/L
T-SMA-4	UF	GENINORG	Chemical Oxygen Demand	3	3	100	1	33.3	78.8	20.7	158	120	mg/L
	UF	GENINORG	Magnesium	3	3	100	3	100	2.41	2.16	2.76	0.0636	mg/L
	UF	METALS	Aluminum	3	3	100	3	100	13167	11200	15600	5000	ug/L
T-SMA-5	UF	GENINORG	Chemical Oxygen Demand	2	2	100	2	100	415	296	533	120	mg/L
	UF	GENINORG	Magnesium	2	2	100	2	100	7.47	6.32	8.61	0.0636	mg/L
	UF	METALS	Aluminum	2	2	100	2	100	43450	35500	51400	5000	ug/L

Site-Specific Storm Water Runoff Monitoring, 2004
Analytical Results greater than wSAL
Summary for Potential Non-Laboratory Derived Pollutants

SMA ID	F/UF	Analytical Suite	Analyte	Number of Analyses	Number of Detects	Frequency of Detect (%)	Number > wSAL	Frequency > wSAL (%)	Summary of Detected Results				
									Average	Minimum	Maximum	wSAL	Units
CDB-SMA-1	UF	GENINORG	Chemical Oxygen Demand	4	4	100	2	50	107.5	55.4	161	120	mg/L
	UF	GENINORG	Magnesium	4	4	100	4	100	4.14	3.04	5.14	0.0636	mg/L
	UF	METALS	Aluminum	4	4	100	4	100	23200	17300	27900	5000	ug/L
CDB-SMA-2	UF	GENINORG	Chemical Oxygen Demand	2	2	100	1	50	90.4	49.7	131	120	mg/L
	UF	GENINORG	Magnesium	2	2	100	2	100	3.23	2.73	3.73	0.0636	mg/L
	UF	METALS	Aluminum	2	2	100	2	100	18300	10400	26200	5000	ug/L
CDB-SMA-4	UF	GENINORG	Chemical Oxygen Demand	1	1	100	1	100	160	160	160	120	mg/L
	UF	GENINORG	Magnesium	1	1	100	1	100	27.8	27.8	27.8	0.0636	mg/L
	UF	METALS	Aluminum	1	1	100	1	100	79300	79300	79300	5000	ug/L
PJ-SMA-15	UF	GENINORG	Chemical Oxygen Demand	8	7	87.5	2	25	177.6	40.5	461	120	mg/L
	UF	GENINORG	Magnesium	9	9	100	9	100	2.63	1.09	4.93	0.0636	mg/L
	UF	METALS	Aluminum	4	4	100	4	100	11698	5150	20600	5000	ug/L

Site-Specific Storm Water Runoff Monitoring - 2004
Analytical Results greater than wSAL
Summary for Potential Laboratory-Derived Contaminants

SMA ID	F/UF	Analytical Suite	Analyte	Number of Analyses	Number of Detects	Frequency of Detect (%)	Number > wSAL	Frequency > wSAL (%)	Summary of Detected Results				
									Average	Minimum	Maximum	wSAL	Units
B-SMA-1	UF	METALS	Arsenic	5	4	80	2	40	23	10.7	34.9	24.2	ug/L
	UF	METALS	Lead	5	5	100	3	60	177.1	2.6	304	126	ug/L
	UF	METALS	Vanadium	5	4	80	3	60	128.2	60.6	190	100	ug/L
DP-SMA-1	UF	METALS	Mercury	3	2	66.7	1	33.3	0.516	0.091	0.94	0.77	ug/L
LA-SMA-1	UF	GENINORG	Cyanide, Amenable	5	1	20	1	20	0.0113	0.0113	0.0113	0.0052	mg/L
	UF	METALS	Arsenic	5	5	100	5	100	34.9	26.6	50.1	24.2	ug/L
	UF	METALS	Lead	5	5	100	5	100	275	173	540	126	ug/L
	UF	METALS	Vanadium	5	5	100	5	100	251	172	398	100	ug/L
LA-SMA-2	UF	PEST/PCB	Aroclor-1254	4	4	100	4	100	2.5	1.6	3.8	0.0017	ug/L
LA-SMA-4	UF	METALS	Lead	4	4	100	2	50	134.5	50.2	265	126	ug/L
LA-SMA-5	UF	METALS	Mercury	1	1	100	1	100	1.7	1.7	1.7	0.77	ug/L
	UF	METALS	Lead	1	1	100	1	100	329	329	329	126	ug/L
	UF	METALS	Vanadium	1	1	100	1	100	139	139	139	100	ug/L
	UF	PEST/PCB	Aroclor-1260	1	1	100	1	100	0.28	0.28	0.28	0.0017	ug/L
LA-SMA-6	UF	METALS	Arsenic	2	2	100	1	50	22.6	17.7	27.4	24.2	ug/L
	UF	METALS	Lead	2	2	100	2	100	308	210	405	126	ug/L
	UF	PEST/PCB	Aroclor-1260	2	1	50	1	50	0.058	0.058	0.058	0.0017	ug/L
S-SMA-1	UF	METALS	Arsenic	7	7	100	1	14.3	17.1	3.2	35.7	24.2	ug/L
	UF	METALS	Lead	7	7	100	2	28.6	81.5	26.7	137	126	ug/L
S-SMA-3	UF	METALS	Arsenic	2	2	100	1	50	40.4	18.6	62.2	24.2	ug/L
	UF	METALS	Lead	2	2	100	1	50	187	87	286	126	ug/L
	UF	METALS	Vanadium	2	2	100	1	50	140.9	76.7	205	100	ug/L
S-SMA-5	UF	METALS	Silver	1	1	100	1	100	14	14	14	4.1	ug/L
	UF	METALS	Lead	1	1	100	1	100	216	216	216	126	ug/L
	UF	PEST/PCB	Aroclor-1260	1	1	100	1	100	0.21	0.21	0.21	0.0017	ug/L
S-SMA-6	UF	METALS	Silver	1	1	100	1	100	18.3	18.3	18.3	4.1	ug/L
	UF	METALS	Arsenic	1	1	100	1	100	28.9	28.9	28.9	24.2	ug/L
	UF	METALS	Mercury	2	2	100	2	100	1.7	1.6	1.8	0.77	ug/L
	UF	METALS	Lead	1	1	100	1	100	1450	1450	1450	126	ug/L

Site-Specific Storm Water Runoff Monitoring, 2004
Analytical Results greater than wSAL
Summary for Gross Alpha

SMA ID	F/UF	Analytical Suite	Analyte	Number of Analyses	Number of Detects	Frequency of Detect (%)	Number > wSAL	Frequency > wSAL (%)	Summary of Detected Results				
									Average	Minimum	Maximum	wSAL	Units
DP-SMA-1	UF	RAD	Gross alpha	2	2	100	2	100	162.5	128	197	15	pCi/L
LA-SMA-1	UF	RAD	Gross alpha	5	5	100	5	100	175.3	26.5	312	15	pCi/L
LA-SMA-2	UF	RAD	Gross alpha	4	4	100	1	25	12.74	6.15	25.5	15	pCi/L
LA-SMA-3	UF	RAD	Gross alpha	4	4	100	1	25	21.32	8.15	56.4	15	pCi/L
LA-SMA-4	UF	RAD	Gross alpha	4	4	100	4	100	90.9	40.4	210	15	pCi/L
LA-SMA-5	UF	RAD	Gross alpha	1	1	100	1	100	161	161	161	15	pCi/L
LA-SMA-6	UF	RAD	Gross alpha	1	1	100	1	100	127	127	127	15	pCi/L
S-SMA-2	UF	RAD	Gross alpha	3	3	100	2	66.7	20.83	5.79	32	15	pCi/L
S-SMA-4	UF	RAD	Gross alpha	4	4	100	3	75	57.19	6.26	144	15	pCi/L
S-SMA-6	UF	RAD	Gross alpha	1	1	100	1	100	253	253	253	15	pCi/L
M-SMA-1	UF	RAD	Gross alpha	3	3	100	1	33.3	13.83	3.28	25.2	15	pCi/L
M-SMA-11	UF	RAD	Gross alpha	4	4	100	4	100	72.5	26.2	141	15	pCi/L
M-SMA-13	UF	RAD	Gross alpha	4	4	100	4	100	214.4	50.3	604	15	pCi/L
M-SMA-2	UF	RAD	Gross alpha	2	2	100	2	100	54.2	42.3	66	15	pCi/L
M-SMA-3	UF	RAD	Gross alpha	3	3	100	3	100	79.2	36.1	112	15	pCi/L
M-SMA-4	UF	RAD	Gross alpha	5	5	100	2	40	24.5	1	65	15	pCi/L
M-SMA-5	UF	RAD	Gross alpha	2	2	100	2	100	220	202	237	15	pCi/L
M-SMA-6	UF	RAD	Gross alpha	4	4	100	3	75	31.25	2.79	56	15	pCi/L
M-SMA-8	UF	RAD	Gross alpha	4	4	100	4	100	222.8	26.8	751	15	pCi/L
M-SMA-9	UF	RAD	Gross alpha	4	4	100	4	100	39.4	18	62.5	15	pCi/L
Pratt-SMA-1	UF	RAD	Gross alpha	5	5	100	5	100	102.5	58.9	142	15	pCi/L
T-SMA-3	UF	RAD	Gross alpha	5	5	100	5	100	53.3	24.5	115	15	pCi/L
T-SMA-4	UF	RAD	Gross alpha	3	3	100	2	66.7	14.21	7.83	19.3	15	pCi/L
T-SMA-5	UF	RAD	Gross alpha	2	2	100	2	100	32.2	32	32.4	15	pCi/L
CDB-SMA-1	UF	RAD	Gross alpha	4	4	100	3	75	26.76	8.73	38.2	15	pCi/L
CDB-SMA-2	UF	RAD	Gross alpha	1	1	100	1	100	78.7	78.7	78.7	15	pCi/L
PJ-SMA-15	UF	RAD	Gross alpha	5	5	100	1	20	30.05	2.55	132	15	pCi/L

NOTE: Gross alpha values have not been corrected for the presence of radon and uranium.

LANL Site-Specific Storm Water Runoff Monitoring - 2004
Analytical Results for Radionuclides greater than DOE DCG - Summary
(Results for radionuclide analyses are reported voluntarily by LANL)

SMA ID	F/UF	Analytical Suite	Analyte	Number of Analyses	Number of Detects	Frequency of Detect (%)	Number > DCG	Frequency > DCG (%)	Summary of Detected Results				
									Average	Minimum	Maximum	DCG	Units
DP-SMA-1	UF	RAD	Gross alpha	2	2	100	2	100	163	128	197	30	pCi/L
LA-SMA-1	UF	RAD	Gross alpha	5	5	100	4	80	175.3	26.5	312	30	pCi/L
LA-SMA-3	UF	RAD	Gross alpha	4	4	100	1	25	21.32	8.15	56.4	30	pCi/L
LA-SMA-4	UF	RAD	Gross alpha	4	4	100	4	100	90.9	40.4	210	30	pCi/L
LA-SMA-4	UF	RAD	Plutonium-239/240	4	4	100	2	50	28.5	13.5	50.4	30	pCi/L
LA-SMA-5	UF	RAD	Gross alpha	1	1	100	1	100	161	161	161	30	pCi/L
LA-SMA-5	UF	RAD	Plutonium-239/240	1	1	100	1	100	51.5	51.5	51.5	30	pCi/L
LA-SMA-6	UF	RAD	Gross alpha	1	1	100	1	100	127	127	127	30	pCi/L
S-SMA-2	UF	RAD	Gross alpha	3	3	100	1	33.3	20.83	5.79	32	30	pCi/L
S-SMA-4	UF	RAD	Gross alpha	4	4	100	3	75	57.19	6.26	144	30	pCi/L
S-SMA-6	UF	RAD	Gross alpha	1	1	100	1	100	253	253	253	30	pCi/L
M-SMA-2	UF	RAD	Gross alpha	2	2	100	2	100	54.2	42.3	66	30	pCi/L
M-SMA-3	UF	RAD	Gross alpha	3	3	100	3	100	79.2	36.1	112	30	pCi/L
M-SMA-4	UF	RAD	Gross alpha	5	5	100	2	40	25	1	65	30	pCi/L
M-SMA-5	UF	RAD	Gross alpha	2	2	100	2	100	220	202	237	30	pCi/L
M-SMA-6	UF	RAD	Gross alpha	4	4	100	2	50	31.25	2.79	56	30	pCi/L
M-SMA-8	UF	RAD	Americium-241	4	4	100	1	25	18.7	7.02	44.5	30	pCi/L
M-SMA-8	UF	RAD	Gross alpha	4	4	100	3	75	222.8	26.8	751	30	pCi/L
M-SMA-9	UF	RAD	Gross alpha	4	4	100	3	75	39.4	18	62.5	30	pCi/L
M-SMA-11	UF	RAD	Gross alpha	4	4	100	2	50	72.5	26.2	141	30	pCi/L
M-SMA-13	UF	RAD	Gross alpha	4	4	100	4	100	214.4	50.3	604	30	pCi/L
M-SMA-13	UF	RAD	Gross beta	4	4	100	1	25	408	117	1140	1000	pCi/L
Pratt-SMA-1	UF	RAD	Gross alpha	5	5	100	5	100	102.5	58.9	142	30	pCi/L
T-SMA-3	UF	RAD	Gross alpha	5	5	100	3	60	53.3	24.5	115	30	pCi/L
T-SMA-5	UF	RAD	Gross alpha	2	2	100	2	100	32.2	32	32.4	30	pCi/L
CDB-SMA-1	UF	RAD	Gross alpha	4	4	100	2	50	26.76	8.73	38.2	30	pCi/L
CDB-SMA-2	UF	RAD	Gross alpha	1	1	100	1	100	78.7	78.7	78.7	30	pCi/L
PJ-SMA-15	UF	RAD	Gross alpha	5	5	100	1	20	30.05	2.55	132	30	pCi/L

Watershed Storm Water Monitoring, 2004
Analytical Results greater than wSAL
Summary for Gross Alpha

Station ID	Station Name	F/UF	Analytical Suite	Analyte	Number of Analyses	Number of Detects	Frequency of Detect (%)	Number > wSAL	Frequency > wSAL (%)	Summary of Detected Results				
										Average	Minimum	Maximum	wSAL	Units
E030	Los Alamos above DP Canyon	UF	RAD	Gross alpha	4	4	100	4	100	146.7	54	291	15	pCi/L
E038	DP above TA-21	UF	RAD	Gross alpha	4	3	75	2	50	98.1	4.02	234	15	pCi/L
E039	DP below Meadow at TA-21	UF	RAD	Gross alpha	4	3	75	3	75	52.8	27.1	79.3	15	pCi/L
E040	DP above Los Alamos Canyon	UF	RAD	Gross alpha	4	4	100	4	100	165.4	59.8	368	15	pCi/L
E042	Los Alamos above SR-4	UF	RAD	Gross alpha	4	4	100	4	100	275.4	21.5	848	15	pCi/L
E055	Pueblo above Acid	UF	RAD	Gross alpha	4	4	100	4	100	142.0	65.5	214	15	pCi/L
E060	Pueblo above SR-502	UF	RAD	Gross alpha	3	3	100	3	100	44.5	16.1	85.1	15	pCi/L
E121	Sandia right fork at Power Plant	UF	RAD	Gross alpha	3	3	100	2	67	20.8	5.79	32	15	pCi/L
E124	Sandia above Firing Range	UF	RAD	Gross alpha	3	3	100	2	67	361.8	6.48	877	15	pCi/L
E200	Mortandad below Effluent Canyo	UF	RAD	Gross alpha	4	4	100	4	100	222.8	26.8	751	15	pCi/L
E218	Canada del Buey near TA-46	UF	RAD	Gross alpha	2	1	50	1	50	49.5	49.5	49.5	15	pCi/L
E230	Canada del Buey above SR-4	UF	RAD	Gross alpha	3	3	100	3	100	414.5	68.6	979	15	pCi/L
E243.5	Twomile tributary at TA-3	UF	RAD	Gross alpha	6	6	100	1	17	12.6	5.33	37.3	15	pCi/L
E244	Twomile above Pajarito	UF	RAD	Gross alpha	3	2	67	2	67	657.5	235	1080	15	pCi/L
E245	Pajarito above TA-18	UF	RAD	Gross alpha	2	1	50	1	50	29.7	29.7	29.7	15	pCi/L
E245.5	Pajarito above Threemile	UF	RAD	Gross alpha	3	2	67	2	67	227.5	221	234	15	pCi/L
E246	Threemile above Pajarito	UF	RAD	Gross alpha	2	2	100	2	100	206.0	148	264	15	pCi/L
E247	MDA G-1	UF	RAD	Gross alpha	2	2	100	2	100	361.4	81.7	641	15	pCi/L
E248.5	MDA G-6U	UF	RAD	Gross alpha	1	1	100	1	100	132.0	132	132	15	pCi/L
E262.5	Water below MDA AB	UF	RAD	Gross alpha	2	1	50	1	50	188.0	188	188	15	pCi/L
E263	Water at SR-4	UF	RAD	Gross alpha	1	1	100	1	100	604.0	604	604	15	pCi/L
E265	Water below SR-4	UF	RAD	Gross alpha	3	2	67	2	67	96.8	32.5	161	15	pCi/L

NOTE: Gross alpha values have not been corrected for the presence of radon and uranium.

LANL Watershed Storm Water Monitoring - 2004
Analytical Results for Radionuclides greater than DOE DCG - Summary
(Results for radionuclide analytes are reported voluntarily by LANL)

Station ID	Station Name	F/UF	Analytical Suite	Analyte	Number of Analyses	Number of Detects	Frequency of Detect (%)	Number > DCG	Frequency > DCG (%)	Summary of Detected Results				
										Average	Minimum	Maximum	DCG	Units
E030	Los Alamos above DP Canyon	UF	RAD	Gross alpha	4	4	100	4	100	146.7	54	291	30	pCi/L
E038	DP above TA-21	UF	RAD	Gross alpha	4	3	75	2	50	98.14	4.02	234	30	pCi/L
E039	DP below Meadow at TA-21	UF	RAD	Gross alpha	4	3	75	2	50	52.83333	27.1	79.3	30	pCi/L
E040	DP above Los Alamos Canyon	UF	RAD	Gross alpha	4	4	100	4	100	165.425	59.8	368	30	pCi/L
E042	Los Alamos above SR-4	UF	RAD	Gross alpha	4	4	100	3	75	275.375	21.5	848	30	pCi/L
E055	Pueblo above Acid	UF	RAD	Gross alpha	4	4	100	4	100	142	65.5	214	30	pCi/L
E060	Pueblo above SR-502	UF	RAD	Gross alpha	3	3	100	2	66.66667	44.46667	16.1	85.1	30	pCi/L
E121	Sandia right fork at Power Plant	UF	RAD	Gross alpha	3	3	100	1	33.33333	20.83	5.79	32	30	pCi/L
E124	Sandia above Firing Range	UF	RAD	Gross alpha	3	3	100	2	66.66667	361.8267	6.48	877	30	pCi/L
E200	Mortandad below Effluent Canyon	UF	RAD	Americium-241	4	4	100	1	25	18.7	7.02	44.5	30	pCi/L
E200	Mortandad below Effluent Canyon	UF	RAD	Gross alpha	4	4	100	3	75	222.8	26.8	751	30	pCi/L
E218	Canada del Buey near TA-46	UF	RAD	Gross alpha	2	1	50	1	50	49.5	49.5	49.5	30	pCi/L
E230	Canada del Buey above SR-4	UF	RAD	Gross alpha	3	3	100	3	100	414.5333	68.6	979	30	pCi/L
E230	Canada del Buey above SR-4	UF	RAD	Gross beta	3	3	100	1	33.33333	548.6667	108	1270	1000	pCi/L
E243.5	Twomile tributary at TA-3	UF	RAD	Gross alpha	6	6	100	1	16.66667	12.61167	5.33	37.3	30	pCi/L
E244	Twomile above Pajarito	UF	RAD	Gross alpha	3	2	66.66667	2	66.66667	657.5	235	1080	30	pCi/L
E244	Twomile above Pajarito	UF	RAD	Gross beta	3	3	100	1	33.33333	653.7467	3.24	1500	1000	pCi/L
E245.5	Pajarito above Threemile	UF	RAD	Gross alpha	3	2	66.66667	2	66.66667	227.5	221	234	30	pCi/L
E246	Threemile above Pajarito	UF	RAD	Gross alpha	2	2	100	2	100	206	148	264	30	pCi/L
E247	MDA G-1	UF	RAD	Gross alpha	2	2	100	2	100	361.35	81.7	641	30	pCi/L
E248.5	MDA G-6U	UF	RAD	Gross alpha	1	1	100	1	100	132	132	132	30	pCi/L
E262.5	Water below MDA AB	UF	RAD	Gross alpha	2	1	50	1	50	188	188	188	30	pCi/L
E263	Water at SR-4	UF	RAD	Gross alpha	1	1	100	1	100	604	604	604	30	pCi/L
E263	Water at SR-4	UF	RAD	Gross beta	1	1	100	1	100	1080	1080	1080	1000	pCi/L
E265	Water below SR-4	UF	RAD	Gross alpha	3	2	66.66667	2	66.66667	96.75	32.5	161	30	pCi/L

Site-Specific Storm Water Runoff Monitoring - 2004
Analytical Results greater than wSAL
Summary for Potential Laboratory-Derived Contaminants

SMA ID	F/UF	Analytical Suite	Analyte	Number of Analyses	Number of Detects	Frequency of Detect (%)	Number > wSAL	Frequency > wSAL (%)	Summary of Detected Results				
									Average	Minimum	Maximum	wSAL	Units
M-SMA-2	UF	METALS	Vanadium	2	2	100	1	50	80.4	44.8	116	100	ug/L
M-SMA-4	UF	METALS	Lead	5	5	100	1	20	51.2	5.8	165	126	ug/L
M-SMA-5	UF	GENINORG	Cyanide, Amenable	4	1	25	1	25	0.00598	0.00598	0.00598	0.0052	mg/L
M-SMA-13	UF	METALS	Lead	5	5	100	4	80	173	106	255	126	ug/L
Pratt-SMA-1	UF	METALS	Arsenic	5	4	80	2	40	31.9	21.2	55.7	24.2	ug/L
	UF	METALS	Lead	5	5	100	1	20	112.2	11.5	262	126	ug/L
	UF	METALS	Vanadium	5	5	100	4	80	158.5	33.4	315	100	ug/L
	UF	PEST/PCB	Aroclor-1254	5	1	20	1	20	0.21	0.21	0.21	0.0017	ug/L
T-SMA-3	UF	METALS	Silver	5	5	100	1	20	2.7	1.5	4.3	4.1	ug/L
CDB-SMA-2	UF	METALS	Silver	2	2	100	1	50	5.1	1.9	8.3	4.1	ug/L
CDB-SMA-4	UF	METALS	Vanadium	1	1	100	1	100	108	108	108	100	ug/L

Watershed Storm Water Monitoring, 2004
Analytical Results greater than wSAL
Summary for Potential Laboratory-Derived Pollutants

Station ID	Station Name	F/UF	Analytical Suite	Analyte	Number of Analyses	Number of Detects	Frequency of Detect (%)	Number > wSAL	Frequency > wSAL (%)	Summary of Detected Results				
										Average	Minimum	Maximum	wSAL	Units
E030	Los Alamos above DP Canyon	UF	METALS	Arsenic	4	4	100	1	25	19.8	10.1	26.3	24.2	ug/L
	Los Alamos above DP Canyon	UF	METALS	Lead	4	4	100	3	75	232.3	105	294	126	ug/L
	Los Alamos above DP Canyon	UF	METALS	Mercury	4	2	50	1	25	0.736	0.272	1.2	0.77	ug/L
	Los Alamos above DP Canyon	UF	METALS	Vanadium	4	4	100	3	75	116	50.2	180	100	ug/L
	Los Alamos above DP Canyon	UF	PEST/PCB	Aroclor-1260	4	1	25	1	25	0.12	0.12	0.12	0.0017	ug/L
E038	DP above TA-21	UF	METALS	Lead	4	4	100	1	25	114.4	58.7	162	126	ug/L
E040	DP above Los Alamos Canyon	UF	METALS	Arsenic	4	4	100	1	25	22.0	11.1	30.9	24.2	ug/L
	DP above Los Alamos Canyon	UF	METALS	Lead	4	4	100	4	100	305.0	177	509	126	ug/L
	DP above Los Alamos Canyon	UF	METALS	Vanadium	4	4	100	2	50	109	64.8	156	100	ug/L
E042	Los Alamos above SR-4	UF	METALS	Arsenic	4	4	100	2	50	24.4	13.4	39.7	24.2	ug/L
	Los Alamos above SR-4	UF	METALS	Lead	4	4	100	4	100	264.5	160	412	126	ug/L
	Los Alamos above SR-4	UF	METALS	Vanadium	4	4	100	2	50	118	76.1	171	100	ug/L
E055	Pueblo above Acid	UF	METALS	Arsenic	4	2	50	1	25	27.3	23.6	31	24.2	ug/L
	Pueblo above Acid	UF	METALS	Lead	4	4	100	2	50	177.7	94.9	270	126	ug/L
	Pueblo above Acid	UF	METALS	Vanadium	4	4	100	2	50	111	42.8	154	100	ug/L
E060	Pueblo above SR-502	UF	METALS	Lead	3	3	100	1	33	78.6	31.4	167	126	ug/L
	Pueblo above SR-502	UF	METALS	Vanadium	3	3	100	1	33	60	33	111	100	ug/L
E123	Sandia below Wetlands	UF	METALS	Mercury	4	4	100	2	50	0.686	0.31	0.921	0.77	ug/L
	Sandia below Wetlands	UF	METALS	Silver	4	4	100	4	100	15.0	7.5	21.1	4.1	ug/L
	Sandia below Wetlands	UF	PEST/PCB	Aroclor-1254	4	3	75	3	75	0.313	0.059	0.67	0.0017	ug/L
	Sandia below Wetlands	UF	PEST/PCB	Aroclor-1260	4	3	75	3	75	0.309	0.076	0.61	0.0017	ug/L
E124	Sandia above Firing Range	UF	METALS	Silver	3	1	33	1	33	14.5	14.5	14.5	4.1	ug/L
	Sandia above Firing Range	UF	PEST/PCB	Aroclor-1260	2	1	50	1	50	0.098	0.098	0.098	0.0017	ug/L
E218	Canada del Buey near TA-46	UF	METALS	Arsenic	3	2	67	1	33	15.3	4.7	25.8	24.2	ug/L
E227	MDA G-13	UF	METALS	Vanadium	1	1	100	1	100	108	108	108	100	ug/L
E230	Canada del Buey above SR-4	UF	METALS	Arsenic	3	3	100	1	33	28.6	16.3	51.3	24.2	ug/L
	Canada del Buey above SR-4	UF	METALS	Lead	3	3	100	1	33	376.6	48	985	126	ug/L
	Canada del Buey above SR-4	UF	METALS	Selenium	3	1	33	1	33	5.6	5.6	5.6	5	ug/L
	Canada del Buey above SR-4	UF	METALS	Thallium	3	2	67	1	33	8.89	0.18	17.6	6.3	ug/L
	Canada del Buey above SR-4	UF	METALS	Vanadium	3	3	100	3	100	271	127	537	100	ug/L

Watershed Storm Water Monitoring, 2004
Analytical Results greater than wSAL
Summary for Potential Laboratory-Derived Pollutants

Station ID	Station Name	F/UF	Analytical Suite	Analyte	Number of Analyses	Number of Detects	Frequency of Detect (%)	Number > wSAL	Frequency > wSAL (%)	Summary of Detected Results				
										Average	Minimum	Maximum	wSAL	Units
E242	Starmers above Pajarito	UF	METALS	Silver	2	2	100	2	100	11.4	10.1	12.7	4.1	ug/L
E244	Twomile above Pajarito	UF	METALS	Arsenic	3	2	67	2	67	36.0	26.1	45.9	24.2	ug/L
	Twomile above Pajarito	UF	METALS	Lead	3	2	67	2	67	206.5	154	259	126	ug/L
	Twomile above Pajarito	UF	METALS	Selenium	3	1	33	1	33	6.23	6.23	6.23	5	ug/L
	Twomile above Pajarito	UF	METALS	Vanadium	3	2	67	2	67	153	101	204	100	ug/L
E245.5	Pajarito above Threemile	UF	METALS	Arsenic	4	3	75	2	50	29.9	4.1	43.1	24.2	ug/L
	Pajarito above Threemile	UF	METALS	Lead	4	3	75	2	50	173.4	81.2	230	126	ug/L
	Pajarito above Threemile	UF	METALS	Vanadium	4	3	75	2	50	138	50	189	100	ug/L
E246	Threemile above Pajarito	UF	METALS	Arsenic	2	1	50	1	50	30.5	30.5	30.5	24.2	ug/L
	Threemile above Pajarito	UF	METALS	Lead	2	2	100	1	50	164.3	88.6	240	126	ug/L
	Threemile above Pajarito	UF	METALS	Vanadium	2	2	100	1	50	100	23.9	177	100	ug/L
E247	MDA G-1	UF	METALS	Vanadium	3	3	100	1	33	93	49.5	146	100	ug/L
E256	Canon de Valle below MDA P	UF	METALS	Arsenic	3	3	100	1	33	24.0	11.9	43.1	24.2	ug/L
	Canon de Valle below MDA P	UF	METALS	Lead	3	3	100	2	67	122.5	69.6	163	126	ug/L
	Canon de Valle below MDA P	UF	METALS	Vanadium	3	3	100	2	67	142	79.3	229	100	ug/L
E261	S Site Canyon above Water	UF	METALS	Arsenic	1	1	100	1	100	95.1	95.1	95.1	24.2	ug/L
	S Site Canyon above Water	UF	METALS	Lead	1	1	100	1	100	225.0	225	225	126	ug/L
	S Site Canyon above Water	UF	METALS	Vanadium	1	1	100	1	100	483	483	483	100	ug/L
E262.5	Water below MDA AB	UF	METALS	Selenium	3	1	33	1	33	7	7	7	5	ug/L
	Water below MDA AB	UF	METALS	Vanadium	3	2	67	1	33	80	35.8	125	100	ug/L
E263	Water at SR-4	UF	METALS	Arsenic	2	2	100	2	100	38.5	25.4	51.6	24.2	ug/L
	Water at SR-4	UF	METALS	Lead	2	2	100	2	100	312.5	246	379	126	ug/L
	Water at SR-4	UF	METALS	Vanadium	2	2	100	2	100	227	135	318	100	ug/L
E265	Water below SR-4	UF	METALS	Arsenic	3	2	67	2	67	66.8	60	73.5	24.2	ug/L
	Water below SR-4	UF	METALS	Lead	3	2	67	2	67	343.5	282	405	126	ug/L
	Water below SR-4	UF	METALS	Silver	3	1	33	1	33	6	6	6	4.1	ug/L
	Water below SR-4	UF	METALS	Vanadium	3	2	67	2	67	357	338	375	100	ug/L

Watershed Storm Water Monitoring, 2004
Analytical Results greater than wSAL
Summary for Potential Non-Laboratory Derived Pollutants

Station ID	Station Name	F/UF	Analytical Suite	Analyte	Number of Analyses	Number of Detects	Frequency of Detect (%)	Number > wSAL	Frequency > wSAL (%)	Summary of Detected Results				
										Average	Minimum	Maximum	wSAL	Units
E026	Los Alamos below Ice Rink	UF	GENINORG	Magnesium	2	1	50	1	50	4.44	4.44	4.44	0.0636	mg/L
E030	Los Alamos above DP Canyon	UF	GENINORG	Chemical Oxygen Demand	4	4	100	4	100	587	347	779	120	mg/L
	Los Alamos above DP Canyon	UF	GENINORG	Magnesium	4	4	100	4	100	18.93	11	25.4	0.0636	mg/L
	Los Alamos above DP Canyon	UF	METALS	Aluminum	4	4	100	4	100	72975	37500	139000	5000	ug/L
E038	DP above TA-21	UF	GENINORG	Chemical Oxygen Demand	4	4	100	4	100	288	208	461	120	mg/L
	DP above TA-21	UF	GENINORG	Magnesium	4	4	100	4	100	6.35	3.41	8.2	0.0636	mg/L
	DP above TA-21	UF	METALS	Aluminum	4	4	100	4	100	35200	20300	47400	5000	ug/L
E039	DP below Meadow at TA-21	UF	GENINORG	Chemical Oxygen Demand	4	3	75	3	75	196	176	211	120	mg/L
	DP below Meadow at TA-21	UF	GENINORG	Magnesium	4	3	75	3	75	6.18	4.43	7.71	0.0636	mg/L
	DP below Meadow at TA-21	UF	METALS	Aluminum	3	3	100	3	100	40267	28200	49000	5000	ug/L
E040	DP above Los Alamos Canyon	UF	GENINORG	Magnesium	4	4	100	4	100	13.82	7.77	19.7	0.0636	mg/L
	DP above Los Alamos Canyon	UF	METALS	Aluminum	4	4	100	4	100	84875	46900	130000	5000	ug/L
E042	Los Alamos above SR-4	UF	GENINORG	Chemical Oxygen Demand	4	4	100	3	75	322	74.4	577	120	mg/L
	Los Alamos above SR-4	UF	GENINORG	Magnesium	4	4	100	4	100	17.62	9.28	26	0.0636	mg/L
	Los Alamos above SR-4	UF	METALS	Aluminum	4	4	100	4	100	86550	50000	117000	5000	ug/L
E050	Los Alamos below LA Weir	UF	GENINORG	Magnesium	1	1	100	1	100	6.33	6.33	6.33	0.0636	mg/L
E055	Pueblo above Acid	UF	GENINORG	Chemical Oxygen Demand	4	4	100	4	100	758	369	1490	120	mg/L
	Pueblo above Acid	UF	GENINORG	Magnesium	4	4	100	4	100	16.02	7.79	22	0.0636	mg/L
	Pueblo above Acid	UF	METALS	Aluminum	4	4	100	4	100	81275	32600	114000	5000	ug/L
E055.5	South Fork of Acid Canyon	UF	GENINORG	Chemical Oxygen Demand	1	1	100	1	100	161	161	161	120	mg/L
	South Fork of Acid Canyon	UF	GENINORG	Magnesium	1	1	100	1	100	5.84	5.84	5.84	0.0636	mg/L
	South Fork of Acid Canyon	UF	METALS	Aluminum	1	1	100	1	100	34200	34200	34200	5000	ug/L
E060	Pueblo above SR-502	UF	GENINORG	Chemical Oxygen Demand	3	3	100	3	100	250	187	294	120	mg/L
	Pueblo above SR-502	UF	GENINORG	Magnesium	3	3	100	3	100	12.00	9.4	16	0.0636	mg/L
	Pueblo above SR-502	UF	METALS	Aluminum	3	3	100	3	100	50567	24800	99800	5000	ug/L
E121	Sandia right fork at Power Plant	UF	GENINORG	Magnesium	5	5	100	5	100	4.26	2.9	6.72	0.0636	mg/L
	Sandia right fork at Power Plant	UF	METALS	Aluminum	4	4	100	4	100	13445	6980	16900	5000	ug/L
E122	Sandia left fork at Asphalt Plant	UF	GENINORG	Chemical Oxygen Demand	6	6	100	1	17	94	46.4	170	120	mg/L
	Sandia left fork at Asphalt Plant	UF	GENINORG	Magnesium	5	5	100	5	100	3.03	0.942	6.76	0.0636	mg/L
	Sandia left fork at Asphalt Plant	UF	METALS	Aluminum	5	5	100	4	80	16658	1090	43400	5000	ug/L
E123	Sandia below Wetlands	UF	GENINORG	Magnesium	4	4	100	4	100	10.28	8.3	11.7	0.0636	mg/L
	Sandia below Wetlands	UF	METALS	Aluminum	4	4	100	4	100	28650	15600	51000	5000	ug/L
E124	Sandia above Firing Range	UF	GENINORG	Chemical Oxygen Demand	3	3	100	2	67	287	8.89	449	120	mg/L
	Sandia above Firing Range	UF	GENINORG	Magnesium	3	3	100	3	100	9.20	6.7	10.7	0.0636	mg/L
	Sandia above Firing Range	UF	METALS	Aluminum	3	3	100	3	100	32350	6650	47300	5000	ug/L
E200	Mortandad below Effluent Canyon	UF	GENINORG	Chemical Oxygen Demand	4	4	100	2	50	144	22	245	120	mg/L
	Mortandad below Effluent Canyon	UF	GENINORG	Magnesium	4	4	100	4	100	4.77	2.76	7.14	0.0636	mg/L
	Mortandad below Effluent Canyon	UF	METALS	Aluminum	4	4	100	4	100	25300	13300	42300	5000	ug/L

Station ID	Station Name	F/UF	Analytical Suite	Analyte	Number of Analyses	Number of Detects	Frequency of Detect (%)	Number > wSAL	Frequency > wSAL (%)	Summary of Detected Results				
										Average	Minimum	Maximum	wSAL	Units
E201.3	Ten Site below MDA C	UF	GENINORG	Chemical Oxygen Demand	2	1	50	1	50	171	171	171	120	mg/L
	Ten Site below MDA C	UF	GENINORG	Magnesium	4	4	100	4	100	3.09	0.744	9.85	0.0636	mg/L
	Ten Site below MDA C	UF	METALS	Aluminum	3	3	100	1	33	23203	1370	65100	5000	ug/L
E201.5	Ten Site above Mortandad	UF	GENINORG	Chemical Oxygen Demand	1	1	100	1	100	242	242	242	120	mg/L
	Ten Site above Mortandad	UF	GENINORG	Magnesium	1	1	100	1	100	4.39	4.39	4.39	0.0636	mg/L
	Ten Site above Mortandad	UF	METALS	Aluminum	1	1	100	1	100	22200	22200	22200	5000	ug/L
E218	Canada del Buey near TA-46	UF	GENINORG	Chemical Oxygen Demand	3	3	100	1	33	171	5.9	500	120	mg/L
	Canada del Buey near TA-46	UF	GENINORG	Magnesium	3	3	100	3	100	7.34	3.16	14.3	0.0636	mg/L
	Canada del Buey near TA-46	UF	METALS	Aluminum	3	3	100	2	67	36028	783	92300	5000	ug/L
E227	MDA G-13	UF	GENINORG	Chemical Oxygen Demand	1	1	100	1	100	160	160	160	120	mg/L
	MDA G-13	UF	GENINORG	Magnesium	1	1	100	1	100	27.80	27.8	27.8	0.0636	mg/L
	MDA G-13	UF	METALS	Aluminum	1	1	100	1	100	79300	79300	79300	5000	ug/L
E230	Canada del Buey above SR-4	UF	GENINORG	Magnesium	3	3	100	3	100	44.13	22.2	84.9	0.0636	mg/L
	Canada del Buey above SR-4	UF	METALS	Aluminum	3	3	100	3	100	216467	64400	484000	5000	ug/L
E241	Pajarito above Starmers	UF	GENINORG	Magnesium	1	1	100	1	100	10.30	10.3	10.3	0.0636	mg/L
	Pajarito above Starmers	UF	METALS	Aluminum	1	1	100	1	100	8590	8590	8590	5000	ug/L
E242	Starmers above Pajarito	UF	GENINORG	Magnesium	2	2	100	2	100	12.30	12	12.6	0.0636	mg/L
	Starmers above Pajarito	UF	METALS	Aluminum	2	2	100	2	100	77350	70800	83900	5000	ug/L
E242.5	La Delfe above Pajarito	UF	GENINORG	Chemical Oxygen Demand	1	1	100	1	100	336	336	336	120	mg/L
	La Delfe above Pajarito	UF	GENINORG	Magnesium	1	1	100	1	100	5.17	5.17	5.17	0.0636	mg/L
	La Delfe above Pajarito	UF	METALS	Aluminum	1	1	100	1	100	18300	18300	18300	5000	ug/L
E243	Pajarito above Twomile	UF	GENINORG	Magnesium	1	1	100	1	100	4.27	4.27	4.27	0.0636	mg/L
E243.5	Twomile tributary at TA-3	UF	GENINORG	Chemical Oxygen Demand	7	5	71	1	14	83	55.7	121	120	mg/L
	Twomile tributary at TA-3	UF	GENINORG	Magnesium	8	8	100	8	100	0.64	0.247	1.7	0.0636	mg/L
E244	Twomile above Pajarito	UF	GENINORG	Chemical Oxygen Demand	2	2	100	2	100	1370	1170	1570	120	mg/L
	Twomile above Pajarito	UF	GENINORG	Magnesium	3	3	100	3	100	17.01	4.53	31	0.0636	mg/L
	Twomile above Pajarito	UF	METALS	Aluminum	3	3	100	2	67	79192	875	161000	5000	ug/L
E245	Pajarito above TA-18	UF	GENINORG	Magnesium	3	3	100	3	100	10.17	4.42	14.5	0.0636	mg/L
	Pajarito above TA-18	UF	METALS	Aluminum	3	3	100	2	67	49810	2530	86200	5000	ug/L
E245.5	Pajarito above Threemile	UF	GENINORG	Magnesium	4	4	100	4	100	16.34	4.2	27.6	0.0636	mg/L
	Pajarito above Threemile	UF	METALS	Aluminum	4	4	100	3	75	85385	2040	173000	5000	ug/L
E246	Threemile above Pajarito	UF	GENINORG	Chemical Oxygen Demand	2	2	100	1	50	370	45.9	694	120	mg/L
	Threemile above Pajarito	UF	GENINORG	Magnesium	2	2	100	2	100	13.85	4.49	23.2	0.0636	mg/L
	Threemile above Pajarito	UF	METALS	Aluminum	2	2	100	2	100	67150	8300	126000	5000	ug/L
E247	MDA G-1	UF	GENINORG	Magnesium	3	3	100	3	100	15.29	9.26	23	0.0636	mg/L
	MDA G-1	UF	METALS	Aluminum	3	3	100	3	100	63067	30400	114000	5000	ug/L
E248.5	MDA G-6U	UF	GENINORG	Magnesium	3	3	100	3	100	3.69	2.37	4.93	0.0636	mg/L
	MDA G-6U	UF	METALS	Aluminum	3	3	100	3	100	13880	9340	20600	5000	ug/L

Watershed Storm Water Monitoring, 2004
Analytical Results greater than wSAL
Summary for Potential Non-Laboratory Derived Pollutants

Station ID	Station Name	F/UF	Analytical Suite	Analyte	Number of Analyses	Number of Detects	Frequency of Detect (%)	Number > wSAL	Frequency > wSAL (%)	Summary of Detected Results				
										Average	Minimum	Maximum	wSAL	Units
E249	MDA G-4	UF	GENINORG	Chemical Oxygen Demand	1	1	100	1	100	387	387	387	120	mg/L
	MDA G-4	UF	GENINORG	Magnesium	1	1	100	1	100	2.84	2.84	2.84	0.0636	mg/L
	MDA G-4	UF	METALS	Aluminum	1	1	100	1	100	5150	5150	5150	5000	ug/L
E250	Pajarito above SR-4	UF	GENINORG	Magnesium	2	2	100	2	100	6.68	6.3	7.05	0.0636	mg/L
	Pajarito above SR-4	UF	METALS	Aluminum	1	1	100	1	100	8130	8130	8130	5000	ug/L
E256	Canon de Valle below MDA P	UF	GENINORG	Chemical Oxygen Demand	3	3	100	3	100	350	182	606	120	mg/L
	Canon de Valle below MDA P	UF	GENINORG	Magnesium	3	3	100	3	100	22.03	13.4	35.2	0.0636	mg/L
	Canon de Valle below MDA P	UF	METALS	Aluminum	3	3	100	3	100	138633	76900	232000	5000	ug/L
E257	Canon de Valle tributary at Burn Grounds	UF	GENINORG	Chemical Oxygen Demand	4	4	100	1	25	96	56.1	186	120	mg/L
	Canon de Valle tributary at Burn Grounds	UF	GENINORG	Magnesium	4	4	100	4	100	6.46	3.11	11.9	0.0636	mg/L
	Canon de Valle tributary at Burn Grounds	UF	METALS	Aluminum	4	4	100	4	100	34360	6840	76000	5000	ug/L
E260	Water above S Site Canyon	UF	GENINORG	Chemical Oxygen Demand	1	1	100	1	100	464	464	464	120	mg/L
	Water above S Site Canyon	UF	GENINORG	Magnesium	2	2	100	2	100	8.45	5	11.9	0.0636	mg/L
	Water above S Site Canyon	UF	METALS	Aluminum	2	2	100	1	50	18364	227	36500	5000	ug/L
E261	S Site Canyon above Water	UF	GENINORG	Chemical Oxygen Demand	1	1	100	1	100	921	921	921	120	mg/L
	S Site Canyon above Water	UF	GENINORG	Magnesium	1	1	100	1	100	69.50	69.5	69.5	0.0636	mg/L
	S Site Canyon above Water	UF	METALS	Aluminum	1	1	100	1	100	397000	397000	397000	5000	ug/L
E262	Canon de Valle above Water	UF	GENINORG	Chemical Oxygen Demand	1	1	100	1	100	547	547	547	120	mg/L
	Canon de Valle above Water	UF	GENINORG	Magnesium	1	1	100	1	100	11.20	11.2	11.2	0.0636	mg/L
	Canon de Valle above Water	UF	METALS	Aluminum	1	1	100	1	100	30000	30000	30000	5000	ug/L
E262.5	Water below MDA AB	UF	GENINORG	Chemical Oxygen Demand	2	2	100	2	100	616	288	944	120	mg/L
	Water below MDA AB	UF	GENINORG	Magnesium	3	3	100	3	100	9.73	4.86	18.2	0.0636	mg/L
	Water below MDA AB	UF	METALS	Aluminum	3	3	100	2	67	40599	196	114000	5000	ug/L
E263	Water at SR-4	UF	GENINORG	Magnesium	2	2	100	2	100	38.05	20.2	55.9	0.0636	mg/L
	Water at SR-4	UF	METALS	Aluminum	2	2	100	2	100	166900	55800	278000	5000	ug/L
E265	Water below SR-4	UF	GENINORG	Magnesium	3	2	67	2	67	66.75	56.3	77.2	0.0636	mg/L
	Water below SR-4	UF	METALS	Aluminum	2	2	100	2	100	304500	293000	316000	5000	ug/L