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Los Alamos Site Office, MS A316
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Date: July 27, 2007
Refer To: EP2007-0460

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

Subject: Submittal of Monthly (July) Water Screening Action Level Exceedance Report at Los Alamos National Laboratory, Storm Water Permit Application No. NM0030759

Dear Ms. Hall:

This letter is being submitted in accordance with the requirements of the Federal Facility Compliance Agreement (FFCA) Docket No. CWA-06-2005-1701, dated February 3, 2005, and the Administrative Order (AO) Docket No. CWA-06-2007-1716, dated November 16, 2006. As specified in Section V, Reporting, 25, of the FFCA: "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".

The attached tables summarize wSAL exceedances for analytical results received in June 2007, and are reported cumulatively (i.e., January 2007 through June 2007).

If you have any questions, please contact Steve Veenis at (505) 667-0013 (veenis@lanl.gov) or Gene Turner at (505) 667-5794 (gturner@doeal.gov).

Sincerely,

Susan G. Stiger, Associate Director
Environmental Programs
Los Alamos National Laboratory

Sincerely,

Gene Turner
Environmental Permitting
Los Alamos Site Office

SGS/GET/TBA/SJV:sm

Attachment: Eight (8) Excel tables, July 2007, for "Water Screening Action Level Exceedance Report at Los Alamos National Laboratory, Storm Water Permit Application No. NM0030759"

Cy: (w/enc.)
Isaac Chen, USEPA – Region 6
Jana Harvill, USEPA – Region 6
Marcy Leavitt, NMED-SWQB
Steve Yanicak, NMED-OB, White Rock, NM
Ralph Ford-Schmid, DOE-OB
Bonita Eichorst, DOE-LASO (date-stamp letter emailed)
Danny Katzman, EP-LWSP, MS M992
Peggy Reneau, EP-ERSS, MS M992
Steve Veenis, ENV-RCRA, MS K490
Cathy Smith, ENV-RCRA, MS K490
Tony Grieggs, ENV-RCRA, MS K490
Mike Saladen, ENV-RCRA, MS K490
Tina Sandoval, ENV-RCRA, MS K490
Susan McMichael, LC-ESH, MS A187
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Tom Skibitski, NMED-OB, Santa Fe, NM
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Alison M. Dorries, EP-ERSS, MS M992
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Table 1
Watershed Storm Water Monitoring 2007
Cumulative to July 17, 2007
Analytical Results greater than wSAL - Summary for Potential Inorganic and Organic Pollutants (Except Aluminum and Magnesium)

Station ID	Station Name	Quarter	F/UF	Analytical Suite	Analyte	Number of Analyses	Number of Detects	Number > wSAL	Summary of Detected Results			wSAL		
									Average	Minimum	Maximum	Stream Type	Value	Units
E026.85	Los Alamos below Omega West	Q1	UF	PEST/PCB	Aroclor-1242 .	1	1	1	0.16	0.16	0.16	Ephemeral	0.00064	ug/L
E026.85	Los Alamos below Omega West	Q2	UF	METALS	Copper	3	2	2	29.5	27.9	31.1	Ephemeral	14	ug/L
E026.85	Los Alamos below Omega West	Q2	UF	METALS	Lead	3	3	1	52.7	0.98	95.1	Ephemeral	81.7	ug/L
E026.85	Los Alamos below Omega West	Q2	UF	METALS	Zinc	3	3	2	169	10.4	277	Ephemeral	120	ug/L
E026.85	Los Alamos below Omega West	Q2	UF	PEST/PCB	Aroclor-1254	3	1	1	0.059	0.059	0.059	Ephemeral	0.00064	ug/L
E026.85	Los Alamos below Omega West	Q2	UF	PEST/PCB	Aroclor-1260	3	1	1	0.059	0.059	0.059	Ephemeral	0.00064	ug/L
E030	Los Alamos above DP Canyon	Q2	UF	METALS	Copper	3	2	2	19.8	18.1	21.4	Ephemeral	14	ug/L
E030	Los Alamos above DP Canyon	Q2	UF	METALS	Lead	3	3	1	35	2.3	85	Ephemeral	81.7	ug/L
E030	Los Alamos above DP Canyon	Q2	UF	METALS	Zinc	3	3	1	168	15.8	414	Ephemeral	120	ug/L
E038	DP above TA-21	Q2	UF	METALS	Copper	4	4	4	41.6	14.5	103	Ephemeral	14	ug/L
E038	DP above TA-21	Q2	UF	METALS	Zinc	4	4	2	227	67.9	553	Ephemeral	120	ug/L
E039	DP below Meadow at TA-21	Q1	UF	METALS	Cadmium	1	1	1	3.7	3.7	3.7	Ephemeral	2.1	ug/L
E039	DP below Meadow at TA-21	Q1	UF	METALS	Copper	1	1	1	152	152	152	Ephemeral	14	ug/L
E039	DP below Meadow at TA-21	Q1	UF	METALS	Lead	1	1	1	275	275	275	Ephemeral	81.7	ug/L
E039	DP below Meadow at TA-21	Q1	UF	METALS	Zinc	1	1	1	1130	1130	1130	Ephemeral	120	ug/L
E039	DP below Meadow at TA-21	Q2	UF	METALS	Arsenic	2	1	1	15.6	15.6	15.6	Ephemeral	9	ug/L
E039	DP below Meadow at TA-21	Q2	UF	METALS	Cadmium	2	2	2	2.6	2.4	2.8	Ephemeral	2.1	ug/L
E039	DP below Meadow at TA-21	Q2	UF	METALS	Copper	2	2	2	117	85.8	149	Ephemeral	14	ug/L
E039	DP below Meadow at TA-21	Q2	UF	METALS	Lead	2	2	2	132	93.6	171	Ephemeral	81.7	ug/L
E039	DP below Meadow at TA-21	Q2	UF	METALS	Zinc	2	2	2	591	418	764	Ephemeral	120	ug/L
E042	Los Alamos above SR-4	Q1	UF	METALS	Arsenic	2	2	2	27.1	23.2	30.9	Ephemeral	9	ug/L
E042	Los Alamos above SR-4	Q1	UF	METALS	Cadmium	2	2	2	4.25	3.2	5.3	Ephemeral	2.1	ug/L
E042	Los Alamos above SR-4	Q1	UF	METALS	Copper	2	2	2	161.5	128	195	Ephemeral	14	ug/L
E042	Los Alamos above SR-4	Q1	UF	METALS	Lead	2	2	2	262	238	286	Ephemeral	81.7	ug/L
E042	Los Alamos above SR-4	Q1	UF	METALS	Mercury	2	2	1	0.565	0.29	0.84	Ephemeral	0.77	ug/L
E042	Los Alamos above SR-4	Q1	UF	METALS	Vanadium	2	2	2	156	119	192	Ephemeral	100	ug/L
E042	Los Alamos above SR-4	Q1	UF	METALS	Zinc	2	2	2	1220	889	1550	Ephemeral	120	ug/L
E042	Los Alamos above SR-4	Q2	UF	METALS	Copper	3	2	2	27.4	24	30.8	Ephemeral	14	ug/L
E042	Los Alamos above SR-4	Q2	UF	METALS	Zinc	3	3	2	150	11.5	240	Ephemeral	120	ug/L
E042	Los Alamos above SR-4	Q2	UF	PEST/PCB	Aroclor-1254	3	1	1	0.068	0.068	0.068	Ephemeral	0.00064	ug/L
E042	Los Alamos above SR-4	Q2	UF	PEST/PCB	Aroclor-1260	3	1	1	0.088	0.088	0.088	Ephemeral	0.00064	ug/L
E050	Los Alamos below LA Weir	Q1	UF	METALS	Arsenic	1	1	1	15.6	15.6	15.6	Ephemeral	9	ug/L
E050	Los Alamos below LA Weir	Q1	UF	METALS	Cadmium	1	1	1	3.2	3.2	3.2	Ephemeral	2.1	ug/L
E050	Los Alamos below LA Weir	Q1	UF	METALS	Copper	1	1	1	97.3	97.3	97.3	Ephemeral	14	ug/L
E050	Los Alamos below LA Weir	Q1	UF	METALS	Lead	1	1	1	246	246	246	Ephemeral	81.7	ug/L
E050	Los Alamos below LA Weir	Q1	UF	METALS	Zinc	1	1	1	1140	1140	1140	Ephemeral	120	ug/L
E050	Los Alamos below LA Weir	Q1	UF	PEST/PCB	Aroclor-1260	1	1	1	0.12	0.12	0.12	Ephemeral	0.00064	ug/L
E055.5	South Fork of Acid Canyon	Q1	UF	METALS	Copper	1	1	1	59.5	59.5	59.5	Ephemeral	14	ug/L
E055.5	South Fork of Acid Canyon	Q1	UF	METALS	Zinc	1	1	1	373	373	373	Ephemeral	120	ug/L
E055.5	South Fork of Acid Canyon	Q2	UF	METALS	Copper	1	1	1	33.7	33.7	33.7	Ephemeral	14	ug/L
E055.5	South Fork of Acid Canyon	Q2	UF	METALS	Zinc	1	1	1	199	199	199	Ephemeral	120	ug/L
E056	Acid above Pueblo	Q2	UF	METALS	Arsenic	1	1	1	17.8	17.8	17.8	Ephemeral	9	ug/L
E056	Acid above Pueblo	Q2	UF	METALS	Cadmium	1	1	1	3.1	3.1	3.1	Ephemeral	2.1	ug/L
E056	Acid above Pueblo	Q2	UF	METALS	Copper	1	1	1	79.9	79.9	79.9	Ephemeral	14	ug/L
E056	Acid above Pueblo	Q2	UF	METALS	Lead	1	1	1	293	293	293	Ephemeral	81.7	ug/L

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Cumulative to July 17, 2007
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Station ID	Station Name	Quarter	F/UF	Analytical Suite	Analyte	Number of Analyses	Number of Detects	Number > wSAL	Summary of Detected Results			wSAL		
									Average	Minimum	Maximum	Stream Type	Value	Units
E056	Acid above Pueblo	Q2	UF	METALS	Zinc	1	1	1	867	867	867	Ephemeral	120	ug/L
E099	Guaje at SR-502	Q1	UF	METALS	Copper	1	1	1	22	22	22	Ephemeral	14	ug/L
E110	Los Alamos Canyon near Otowi Bridge	Q1	UF	METALS	Copper	1	1	1	26	26	26	Ephemeral	14	ug/L
E122	Sandia left fork at Asphalt Plant	Q1	UF	METALS	Cadmium	1	1	1	0.99	0.99	0.99	Perennial	0.28	ug/L
E122	Sandia left fork at Asphalt Plant	Q1	UF	METALS	Copper	1	1	1	60	60	60	Perennial	9.4	ug/L
E122	Sandia left fork at Asphalt Plant	Q1	UF	METALS	Lead	1	1	1	60.9	60.9	60.9	Perennial	3.2	ug/L
E122	Sandia left fork at Asphalt Plant	Q1	UF	METALS	Zinc	1	1	1	665	665	665	Perennial	120	ug/L
E122	Sandia left fork at Asphalt Plant	Q2	UF	METALS	Cadmium	3	3	2	0.4	0.18	0.58	Perennial	0.28	ug/L
E122	Sandia left fork at Asphalt Plant	Q2	UF	METALS	Copper	3	3	3	32.1	16.8	44.5	Perennial	9.4	ug/L
E122	Sandia left fork at Asphalt Plant	Q2	UF	METALS	Lead	3	3	3	38.9	5.5	67.5	Perennial	3.2	ug/L
E122	Sandia left fork at Asphalt Plant	Q2	UF	METALS	Zinc	3	3	2	289	27.7	454	Perennial	120	ug/L
E122	Sandia left fork at Asphalt Plant	Q2	UF	PEST/PCB	Aroclor-1254	3	1	1	0.063	0.063	0.063	Perennial	0.00064	ug/L
E122	Sandia left fork at Asphalt Plant	Q2	UF	PEST/PCB	Aroclor-1260	3	1	1	0.05	0.05	0.05	Perennial	0.00064	ug/L
E123	Sandia below Wetlands	Q1	UF	GENINORG	Cyanide, Amenable to Chlorination	1	1	1	0.0098	0.0098	0.0098	Perennial	0.0052	mg/L
E123	Sandia below Wetlands	Q1	UF	METALS	Arsenic	1	1	1	9.6	9.6	9.6	Perennial	9	ug/L
E123	Sandia below Wetlands	Q1	UF	METALS	Cadmium	1	1	1	6	6	6	Perennial	0.28	ug/L
E123	Sandia below Wetlands	Q1	UF	METALS	Chromium	1	1	1	231	231	231	Perennial	77	ug/L
E123	Sandia below Wetlands	Q1	UF	METALS	Copper	1	1	1	139	139	139	Perennial	9.4	ug/L
E123	Sandia below Wetlands	Q1	UF	METALS	Lead	1	1	1	71.9	71.9	71.9	Perennial	3.2	ug/L
E123	Sandia below Wetlands	Q1	UF	METALS	Mercury	1	1	1	1.3	1.3	1.3	Perennial	0.77	ug/L
E123	Sandia below Wetlands	Q1	UF	METALS	Silver	1	1	1	4.4	4.4	4.4	Perennial	3.8	ug/L
E123	Sandia below Wetlands	Q1	UF	METALS	Zinc	1	1	1	904	904	904	Perennial	120	ug/L
E123	Sandia below Wetlands	Q2	UF	METALS	Arsenic	3	3	1	12	7.6	21	Perennial	9	ug/L
E123	Sandia below Wetlands	Q2	UF	METALS	Cadmium	3	3	3	6.4	2	14.4	Perennial	0.28	ug/L
E123	Sandia below Wetlands	Q2	UF	METALS	Chromium	3	3	3	576	226	1040	Perennial	77	ug/L
E123	Sandia below Wetlands	Q2	UF	METALS	Copper	3	3	3	169	56.5	354	Perennial	9.4	ug/L
E123	Sandia below Wetlands	Q2	UF	METALS	Lead	3	3	3	97.0	47.7	186	Perennial	3.2	ug/L
E123	Sandia below Wetlands	Q2	UF	METALS	Mercury	3	3	1	1.2	0.31	2.7	Perennial	0.77	ug/L
E123	Sandia below Wetlands	Q2	UF	METALS	Nickel	3	3	1	50.5	17.2	98.5	Perennial	52	ug/L
E123	Sandia below Wetlands	Q2	UF	METALS	Silver	3	3	3	16.2	7.5	28.4	Perennial	3.8	ug/L
E123	Sandia below Wetlands	Q2	UF	METALS	Vanadium	3	3	1	98.4	35.2	216	Perennial	100	ug/L
E123	Sandia below Wetlands	Q2	UF	METALS	Zinc	3	3	3	1272	421	2870	Perennial	120	ug/L
E123	Sandia below Wetlands	Q2	UF	PEST/PCB	Aroclor-1254	3	3	3	0.56	0.12	1.1	Perennial	0.00064	ug/L
E123	Sandia below Wetlands	Q2	UF	PEST/PCB	Aroclor-1260	3	3	3	0.43	0.097	0.9	Perennial	0.00064	ug/L
E124	Sandia above Firing Range	Q2	UF	METALS	Arsenic	1	1	1	19.5	19.5	19.5	Ephemeral	9	ug/L
E124	Sandia above Firing Range	Q2	UF	METALS	Cadmium	1	1	1	3.2	3.2	3.2	Ephemeral	2.1	ug/L
E124	Sandia above Firing Range	Q2	UF	METALS	Copper	1	1	1	109	109	109	Ephemeral	14	ug/L
E124	Sandia above Firing Range	Q2	UF	METALS	Lead	1	1	1	121	121	121	Ephemeral	81.7	ug/L
E124	Sandia above Firing Range	Q2	UF	METALS	Silver	1	1	1	13.4	13.4	13.4	Ephemeral	3.8	ug/L
E124	Sandia above Firing Range	Q2	UF	METALS	Vanadium	1	1	1	104	104	104	Ephemeral	100	ug/L
E124	Sandia above Firing Range	Q2	UF	METALS	Zinc	1	1	1	741	741	741	Ephemeral	120	ug/L
E124	Sandia above Firing Range	Q2	UF	PEST/PCB	Aroclor-1254	1	1	1	0.48	0.48	0.48	Ephemeral	0.00064	ug/L
E124	Sandia above Firing Range	Q2	UF	PEST/PCB	Aroclor-1260	1	1	1	0.5	0.5	0.5	Ephemeral	0.00064	ug/L
E200	Mortandad below Effluent Canyon	Q1	UF	METALS	Copper	1	1	1	23.5	23.5	23.5	Ephemeral	14	ug/L
E200	Mortandad below Effluent Canyon	Q1	UF	METALS	Zinc	1	1	1	231	231	231	Ephemeral	120	ug/L

Table 1
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Cumulative to July 17, 2007
Analytical Results greater than wSAL - Summary for Potential Inorganic and Organic Pollutants (Except Aluminum and Magnesium)

Station ID	Station Name	Quarter	F/UF	Analytical Suite	Analyte	Number of Analyses	Number of Detects	Number > wSAL	Summary of Detected Results			wSAL		
									Average	Minimum	Maximum	Stream Type	Value	Units
E200	Mortandad below Effluent Canyon	Q2	UF	METALS	Arsenic	1	1	1	11.3	11.3	11.3	Ephemeral	9	ug/L
E200	Mortandad below Effluent Canyon	Q2	UF	METALS	Copper	1	1	1	19.2	19.2	19.2	Ephemeral	14	ug/L
E200	Mortandad below Effluent Canyon	Q2	UF	METALS	Zinc	1	1	1	144	144	144	Ephemeral	120	ug/L
E201.3	Ten Site below MDA C	Q1	UF	METALS	Arsenic	2	2	2	24.3	24	24.6	Ephemeral	9	ug/L
E201.3	Ten Site below MDA C	Q1	UF	METALS	Copper	2	2	2	33.9	21.6	46.2	Ephemeral	14	ug/L
E201.3	Ten Site below MDA C	Q1	UF	METALS	Zinc	2	2	2	412	197	626	Ephemeral	120	ug/L
E201.3	Ten Site below MDA C	Q1	UF	PEST/PCB	Aroclor-1260	1	1	1	0.082	0.082	0.082	Ephemeral	0.00064	ug/L
E201.3	Ten Site below MDA C	Q2	UF	METALS	Arsenic	2	1	1	20.1	20.1	20.1	Ephemeral	9	ug/L
E201.3	Ten Site below MDA C	Q2	UF	METALS	Copper	2	2	1	16.0	9.3	22.6	Ephemeral	14	ug/L
E201.3	Ten Site below MDA C	Q2	UF	METALS	Zinc	2	2	2	233	229	236	Ephemeral	120	ug/L
E201.3	Ten Site below MDA C	Q2	UF	PEST/PCB	Aroclor-1260	2	2	2	0.099	0.078	0.12	Ephemeral	0.00064	ug/L
E243.5	Twomile tributary at TA-3	Q1	UF	METALS	Copper	2	2	2	129	53.6	204	Ephemeral	14	ug/L
E243.5	Twomile tributary at TA-3	Q1	UF	METALS	Zinc	2	2	2	874	417	1330	Ephemeral	120	ug/L
E243.5	Twomile tributary at TA-3	Q2	UF	METALS	Copper	2	2	2	83.4	31.7	135	Ephemeral	14	ug/L
E243.5	Twomile tributary at TA-3	Q2	UF	METALS	Zinc	2	2	2	635	282	987	Ephemeral	120	ug/L
E245	Pajarito above TA-18	Q1	UF	METALS	Arsenic	1	1	1	14.6	14.6	14.6	Ephemeral	9	ug/L
E245	Pajarito above TA-18	Q1	UF	METALS	Cadmium	1	1	1	3.7	3.7	3.7	Ephemeral	2.1	ug/L
E245	Pajarito above TA-18	Q1	UF	METALS	Copper	1	1	1	67.3	67.3	67.3	Ephemeral	14	ug/L
E245	Pajarito above TA-18	Q1	UF	METALS	Zinc	1	1	1	372	372	372	Ephemeral	120	ug/L
E249.5	MDA G-7	Q2	UF	METALS	Copper	3	2	2	28.7	21.3	36	Ephemeral	14	ug/L
E249.5	MDA G-7	Q2	UF	METALS	Zinc	3	3	2	223	107	338	Ephemeral	120	ug/L

Table 2
Watershed Storm Water Monitoring 2007
Cumulative to July 17, 2007
Analytical Results greater than wSAL - Summary for Aluminum and Magnesium

Station ID	Station Name	Quarter	F/UF	Analytical Suite	Analyte	Number of Analyses	Number of Detects	Number > wSAL	Summary of Detected Results			wSAL		
									Average	Minimum	Maximum	Stream Type	Value	Units
E026	Los Alamos below Ice Rink	Q2	UF	GENINORG	Magnesium	1	1	1	3.2	3.2	3.2	Ephemeral	0.0636	mg/L
E026	Los Alamos below Ice Rink	Q2	UF	METALS	Aluminum	1	1	1	1350	1350	1350	Ephemeral	750	ug/L
E026.85	Los Alamos below Omega West	Q1	UF	GENINORG	Magnesium	1	1	1	4.3	4.3	4.3	Ephemeral	0.0636	mg/L
E026.85	Los Alamos below Omega West	Q1	UF	METALS	Aluminum	1	1	1	3360	3360	3360	Ephemeral	750	ug/L
E026.85	Los Alamos below Omega West	Q2	UF	GENINORG	Magnesium	3	3	3	4.80	3.49	5.52	Ephemeral	0.0636	mg/L
E026.85	Los Alamos below Omega West	Q2	UF	METALS	Aluminum	3	3	3	11590	1370	22800	Ephemeral	750	ug/L
E030	Los Alamos above DP Canyon	Q1	UF	GENINORG	Magnesium	1	1	1	4.26	4.26	4.26	Ephemeral	0.0636	mg/L
E030	Los Alamos above DP Canyon	Q1	UF	METALS	Aluminum	1	1	1	3950	3950	3950	Ephemeral	750	ug/L
E030	Los Alamos above DP Canyon	Q2	UF	GENINORG	Magnesium	3	3	3	4.12	3.76	4.83	Ephemeral	0.0636	mg/L
E030	Los Alamos above DP Canyon	Q2	UF	METALS	Aluminum	3	3	3	4683	1710	7530	Ephemeral	750	ug/L
E038	DP above TA-21	Q2	UF	GENINORG	Magnesium	4	4	4	2.94	1.23	5.69	Ephemeral	0.0636	mg/L
E038	DP above TA-21	Q2	UF	METALS	Aluminum	4	4	4	10553	3590	21400	Ephemeral	750	ug/L
E039	DP below Meadow at TA-21	Q1	UF	GENINORG	Magnesium	1	1	1	8.47	8.47	8.47	Ephemeral	0.0636	mg/L
E039	DP below Meadow at TA-21	Q1	UF	METALS	Aluminum	1	1	1	32200	32200	32200	Ephemeral	750	ug/L
E039	DP below Meadow at TA-21	Q2	UF	GENINORG	Magnesium	2	2	2	8.98	6.25	11.7	Ephemeral	0.0636	mg/L
E039	DP below Meadow at TA-21	Q2	UF	METALS	Aluminum	2	2	2	44850	32900	56800	Ephemeral	750	ug/L
E042	Los Alamos above SR-4	Q1	UF	GENINORG	Magnesium	2	2	2	25.1	19.7	30.4	Ephemeral	0.0636	mg/L
E042	Los Alamos above SR-4	Q1	UF	METALS	Aluminum	2	2	2	119500	101000	138000	Ephemeral	750	ug/L
E042	Los Alamos above SR-4	Q2	UF	GENINORG	Magnesium	3	3	3	6.23	4.26	7.76	Ephemeral	0.0636	mg/L
E042	Los Alamos above SR-4	Q2	UF	METALS	Aluminum	3	3	3	14627	1780	23200	Ephemeral	750	ug/L
E050	Los Alamos below LA Weir	Q1	UF	GENINORG	Magnesium	1	1	1	18.8	18.8	18.8	Ephemeral	0.0636	mg/L
E050	Los Alamos below LA Weir	Q1	UF	METALS	Aluminum	1	1	1	69600	69600	69600	Ephemeral	750	ug/L
E050	Los Alamos below LA Weir	Q2	UF	GENINORG	Magnesium	1	1	1	4.3	4.3	4.3	Ephemeral	0.0636	mg/L
E050	Los Alamos below LA Weir	Q2	UF	METALS	Aluminum	1	1	1	1780	1780	1780	Ephemeral	750	ug/L
E055.5	South Fork of Acid Canyon	Q1	UF	GENINORG	Magnesium	1	1	1	7.74	7.74	7.74	Ephemeral	0.0636	mg/L
E055.5	South Fork of Acid Canyon	Q1	UF	METALS	Aluminum	1	1	1	26300	26300	26300	Ephemeral	750	ug/L
E055.5	South Fork of Acid Canyon	Q2	UF	GENINORG	Magnesium	1	1	1	5.16	5.16	5.16	Ephemeral	0.0636	mg/L
E055.5	South Fork of Acid Canyon	Q2	UF	METALS	Aluminum	1	1	1	28200	28200	28200	Ephemeral	750	ug/L
E056	Acid above Pueblo	Q2	UF	GENINORG	Magnesium	1	1	1	8.51	8.51	8.51	Ephemeral	0.0636	mg/L
E056	Acid above Pueblo	Q2	UF	METALS	Aluminum	1	1	1	43800	43800	43800	Ephemeral	750	ug/L
E099	Guaje at SR-502	Q1	UF	GENINORG	Magnesium	1	1	1	9.46	9.46	9.46	Ephemeral	0.0636	mg/L
E099	Guaje at SR-502	Q1	UF	METALS	Aluminum	1	1	1	10700	10700	10700	Ephemeral	750	ug/L
E110	Los Alamos Canyon near Otowi Bridge	Q1	UF	GENINORG	Magnesium	1	1	1	7.94	7.94	7.94	Ephemeral	0.0636	mg/L
E110	Los Alamos Canyon near Otowi Bridge	Q1	UF	METALS	Aluminum	1	1	1	19000	19000	19000	Ephemeral	750	ug/L
E122	Sandia left fork at Asphalt Plant	Q1	UF	GENINORG	Magnesium	1	1	1	5.39	5.39	5.39	Perennial	0.0636	mg/L
E122	Sandia left fork at Asphalt Plant	Q1	UF	METALS	Aluminum	1	1	1	12100	12100	12100	Perennial	87	ug/L
E122	Sandia left fork at Asphalt Plant	Q2	UF	GENINORG	Magnesium	3	3	3	3.16	2.27	3.76	Perennial	0.0636	mg/L
E122	Sandia left fork at Asphalt Plant	Q2	UF	METALS	Aluminum	3	3	3	7860	5930	8900	Perennial	87	ug/L
E123	Sandia below Wetlands	Q1	UF	GENINORG	Magnesium	1	1	1	7.05	7.05	7.05	Perennial	0.0636	mg/L
E123	Sandia below Wetlands	Q1	UF	METALS	Aluminum	1	1	1	8540	8540	8540	Perennial	87	ug/L
E123	Sandia below Wetlands	Q2	UF	GENINORG	Magnesium	3	3	3	11.4	7.07	19.9	Perennial	0.0636	mg/L

Table 2
Watershed Storm Water Monitoring 2007
Cumulative to July 17, 2007
Analytical Results greater than wSAL - Summary for Aluminum and Magnesium

Station ID	Station Name	Quarter	F/UF	Analytical Suite	Analyte	Number of Analyses	Number of Detects	Number > wSAL	Summary of Detected Results			wSAL		
									Average	Minimum	Maximum	Stream Type	Value	Units
E123	Sandia below Wetlands	Q2	UF	METALS	Aluminum	3	3	3	24977	8630	49200	Perennial	87	ug/L
E124	Sandia above Firing Range	Q2	UF	GENINORG	Magnesium	1	1	1	20.4	20.4	20.4	Ephemeral	0.0636	mg/L
E124	Sandia above Firing Range	Q2	UF	METALS	Aluminum	1	1	1	118000	118000	118000	Ephemeral	750	ug/L
E200	Mortandad below Effluent Canyon	Q1	UF	GENINORG	Magnesium	1	1	1	6.47	6.47	6.47	Ephemeral	0.0636	mg/L
E200	Mortandad below Effluent Canyon	Q1	UF	METALS	Aluminum	1	1	1	32000	32000	32000	Ephemeral	750	ug/L
E200	Mortandad below Effluent Canyon	Q2	UF	GENINORG	Magnesium	1	1	1	2.74	2.74	2.74	Ephemeral	0.0636	mg/L
E200	Mortandad below Effluent Canyon	Q2	UF	METALS	Aluminum	1	1	1	14400	14400	14400	Ephemeral	750	ug/L
E201.3	Ten Site below MDA C	Q1	UF	GENINORG	Magnesium	2	2	2	4.1	1.95	6.25	Ephemeral	0.0636	mg/L
E201.3	Ten Site below MDA C	Q1	UF	METALS	Aluminum	2	2	2	23300	10000	36600	Ephemeral	750	ug/L
E201.3	Ten Site below MDA C	Q2	UF	GENINORG	Magnesium	2	2	2	1.5	1	2.07	Ephemeral	0.0636	mg/L
E201.3	Ten Site below MDA C	Q2	UF	METALS	Aluminum	2	2	2	7295	2790	11800	Ephemeral	750	ug/L
E240	Pajarito below SR-501	Q1	UF	GENINORG	Magnesium	1	1	1	3.14	3.14	3.14	Ephemeral	0.0636	mg/L
E240	Pajarito below SR-501	Q1	UF	METALS	Aluminum	1	1	1	1560	1560	1560	Ephemeral	750	ug/L
E241	Pajarito above Starmers	Q1	UF	GENINORG	Magnesium	1	1	1	3.55	3.55	3.55	Ephemeral	0.0636	mg/L
E241	Pajarito above Starmers	Q1	UF	METALS	Aluminum	1	1	1	4630	4630	4630	Ephemeral	750	ug/L
E243.5	Twomile tributary at TA-3	Q1	UF	GENINORG	Magnesium	2	2	2	2.15	1.17	3.12	Ephemeral	0.0636	mg/L
E243.5	Twomile tributary at TA-3	Q1	UF	METALS	Aluminum	2	2	2	3550	2440	4660	Ephemeral	750	ug/L
E243.5	Twomile tributary at TA-3	Q2	UF	GENINORG	Magnesium	2	2	2	0.91	0.41	1.4	Ephemeral	0.0636	mg/L
E243.5	Twomile tributary at TA-3	Q2	UF	METALS	Aluminum	2	2	1	1159	278	2040	Ephemeral	750	ug/L
E244	Twomile above Pajarito	Q1	UF	GENINORG	Magnesium	1	1	1	5.17	5.17	5.17	Ephemeral	0.0636	mg/L
E244	Twomile above Pajarito	Q1	UF	METALS	Aluminum	1	1	1	12000	12000	12000	Ephemeral	750	ug/L
E245	Pajarito above TA-18	Q1	UF	GENINORG	Magnesium	1	1	1	15.8	15.8	15.8	Ephemeral	0.0636	mg/L
E245	Pajarito above TA-18	Q1	UF	METALS	Aluminum	1	1	1	74400	74400	74400	Ephemeral	750	ug/L
E246	Threemile above Pajarito	Q2	UF	GENINORG	Magnesium	1	1	1	4.46	4.46	4.46	Ephemeral	0.0636	mg/L
E246	Threemile above Pajarito	Q2	UF	METALS	Aluminum	1	1	1	5540	5540	5540	Ephemeral	750	ug/L
E249.5	MDA G-7	Q1	UF	GENINORG	Magnesium	1	1	1	0.864	0.864	0.864	Ephemeral	0.0636	mg/L
E249.5	MDA G-7	Q1	UF	METALS	Aluminum	1	1	1	2120	2120	2120	Ephemeral	750	ug/L
E249.5	MDA G-7	Q2	UF	GENINORG	Magnesium	3	3	3	1.33	0.714	2.08	Ephemeral	0.0636	mg/L
E249.5	MDA G-7	Q2	UF	METALS	Aluminum	3	3	2	2790	520	5900	Ephemeral	750	ug/L
E250	Pajarito above SR-4	Q1	UF	GENINORG	Magnesium	1	1	1	11.5	11.5	11.5	Ephemeral	0.0636	mg/L
E252	Water above SR-501	Q1	UF	GENINORG	Magnesium	1	1	1	3.08	3.08	3.08	Perennial	0.0636	mg/L
E252	Water above SR-501	Q1	UF	METALS	Aluminum	1	1	1	767	767	767	Perennial	87	ug/L
E257	Canon de Valle tributary at Burn Grounds	Q1	UF	GENINORG	Magnesium	1	1	1	5.18	5.18	5.18	Ephemeral	0.0636	mg/L
E257	Canon de Valle tributary at Burn Grounds	Q1	UF	METALS	Aluminum	1	1	1	17200	17200	17200	Ephemeral	750	ug/L
E262	Canon de Valle above Water	Q2	UF	GENINORG	Magnesium	1	1	1	4.03	4.03	4.03	Ephemeral	0.0636	mg/L
E262	Canon de Valle above Water	Q2	UF	METALS	Aluminum	1	1	1	8260	8260	8260	Ephemeral	750	ug/L
E262.5	Water below MDA AB	Q1	UF	GENINORG	Magnesium	1	1	1	4.85	4.85	4.85	Ephemeral	0.0636	mg/L
E262.5	Water below MDA AB	Q1	UF	METALS	Aluminum	1	1	1	6320	6320	6320	Ephemeral	750	ug/L

Table 3
Watershed Storm Water Monitoring 2007
Cumulative to July 17, 2007
Analytical Results greater than wSAL - Summary for Gross Alpha*

Station ID	Station Name	Quarter	F/UF	Analytical Suite	Analyte	Number of Analyses	Number of Detects	Number > wSAL	Summary of Detected Results			wSAL		
									Average	Minimum	Maximum	Stream Type	Value	Units
E026.85	Los Alamos below Omega West	Q2	UF	RAD	Gross alpha	3	2	2	47.25	20.8	73.7	Ephemeral	15	pCi/L
E026.85	Los Alamos below Omega West	Q2	UF	RAD	Gross alpha, adjusted	1	1	1	16.0	16.0	16.0	Ephemeral	15	pCi/L
E030	Los Alamos above DP Canyon	Q2	UF	RAD	Gross alpha	3	3	1	44.8	2.3	119	Ephemeral	15	pCi/L
E038	DP above TA-21	Q2	UF	RAD	Gross alpha	4	4	1	12.3	4.68	23.6	Ephemeral	15	pCi/L
E039	DP below Meadow at TA-21	Q1	UF	RAD	Gross alpha	1	1	1	105	105	105	Ephemeral	15	pCi/L
E039	DP below Meadow at TA-21	Q1	UF	RAD	Gross alpha, adjusted	1	1	1	57.6	57.6	57.6	Ephemeral	15	pCi/L
E039	DP below Meadow at TA-21	Q2	UF	RAD	Gross alpha	2	2	2	44.7	31.7	57.7	Ephemeral	15	pCi/L
E042	Los Alamos above SR-4	Q1	UF	RAD	Gross alpha	2	2	2	228	170	286	Ephemeral	15	pCi/L
E042	Los Alamos above SR-4	Q1	UF	RAD	Gross alpha, adjusted	1	1	1	108	108	108	Ephemeral	15	pCi/L
E042	Los Alamos above SR-4	Q2	UF	RAD	Gross alpha	3	3	2	28.2	2.89	53.1	Ephemeral	15	pCi/L
E050	Los Alamos below LA Weir	Q1	UF	RAD	Gross alpha	1	1	1	31.3	31.3	31.3	Ephemeral	15	pCi/L
E055.5	South Fork of Acid Canyon	Q2	UF	RAD	Gross alpha	1	1	1	30.5	30.5	30.5	Ephemeral	15	pCi/L
E055.5	South Fork of Acid Canyon	Q2	UF	RAD	Gross alpha, adjusted	1	1	1	27.2	27.2	27.2	Ephemeral	15	pCi/L
E056	Acid above Pueblo	Q2	UF	RAD	Gross alpha	1	1	1	69.5	69.5	69.5	Ephemeral	15	pCi/L
E056	Acid above Pueblo	Q2	UF	RAD	Gross alpha, adjusted	1	1	1	43.9	43.9	43.9	Ephemeral	15	pCi/L
E099	Guaje at SR-502	Q1	UF	RAD	Gross alpha	1	1	1	207	207	207	Ephemeral	15	pCi/L
E099	Guaje at SR-502	Q1	UF	RAD	Gross alpha, adjusted	1	1	1	118	118	118	Ephemeral	15	pCi/L
E110	Los Alamos Canyon near Otowi Bridge	Q1	UF	RAD	Gross alpha	1	1	1	39.2	39.2	39.2	Ephemeral	15	pCi/L
E110	Los Alamos Canyon near Otowi Bridge	Q1	UF	RAD	Gross alpha, adjusted	1	1	1	19.6	19.6	19.6	Ephemeral	15	pCi/L
E122	Sandia left fork at Asphalt Plant	Q1	UF	RAD	Gross alpha	1	1	1	18.6	18.6	18.6	Perennial	15	pCi/L
E123	Sandia below Wetlands	Q1	UF	RAD	Gross alpha	1	1	1	66.9	66.9	66.9	Perennial	15	pCi/L
E123	Sandia below Wetlands	Q2	UF	RAD	Gross alpha	3	3	3	33.9	30.1	36	Perennial	15	pCi/L
E124	Sandia above Firing Range	Q2	UF	RAD	Gross alpha	1	1	1	152	152	152	Ephemeral	15	pCi/L
E200	Mortandad below Effluent Canyon	Q1	UF	RAD	Gross alpha	1	1	1	132	132	132	Ephemeral	15	pCi/L
E200	Mortandad below Effluent Canyon	Q1	UF	RAD	Gross alpha, adjusted	1	1	1	92.8	92.8	92.8	Ephemeral	15	pCi/L
E200	Mortandad below Effluent Canyon	Q2	UF	RAD	Gross alpha	1	1	1	39.5	39.5	39.5	Ephemeral	15	pCi/L
E201.3	Ten Site below MDA C	Q1	UF	RAD	Gross alpha	2	2	1	13.4	8.29	18.5	Ephemeral	15	pCi/L
E201.3	Ten Site below MDA C	Q2	UF	RAD	Gross alpha	3	3	1	19.9	6.51	44.7	Ephemeral	15	pCi/L
E243.5	Twomile tributary at TA-3	Q1	UF	RAD	Gross alpha	2	2	2	32.4	30.2	34.6	Ephemeral	15	pCi/L
E243.5	Twomile tributary at TA-3	Q1	UF	RAD	Gross alpha, adjusted	1	1	1	30.7	30.7	30.7	Ephemeral	15	pCi/L
E244	Twomile above Pajarito	Q1	UF	RAD	Gross alpha	1	1	1	57.9	57.9	57.9	Ephemeral	15	pCi/L
E244	Twomile above Pajarito	Q1	UF	RAD	Gross alpha, adjusted	1	1	1	45.8	45.8	45.8	Ephemeral	15	pCi/L
E245	Pajarito above TA-18	Q1	UF	RAD	Gross alpha	1	1	1	93.4	93.4	93.4	Ephemeral	15	pCi/L
E245	Pajarito above TA-18	Q1	UF	RAD	Gross alpha, adjusted	1	1	1	46.0	46.0	46.0	Ephemeral	15	pCi/L

* **"Adjusted gross alpha"** means the total radioactivity due to alpha particle emission as inferred from measurements on a dry sample, including radium-226, but excluding radon-222 and uranium. Also excluded are source, special nuclear and by-product material as defined by the Atomic Energy Act of 1954. (NMAC 20.6.4.7.B)

The Laboratory calculates an Adjusted Gross Alpha value by subtracting from the reported Gross Alpha value the measured concentrations for uranium isotopes and the following Atomic Energy Act exempt radionuclides: Am-241, Np-237, Po-210, Pu-238, Pu-239,240, Th-228, Th-230, Th-232. (Note: typically, the Laboratory does not measure Rn-222 in surface water samples.)

Table 4
Watershed Storm Water Monitoring 2007
Cumulative to July 17, 2007
Analytical Results greater than DOE DCG*

Station ID	Station Name	Quarter	F/UF	Analytical Suite	Analyte	Number of Analyses	Number of Detects	Number > DCG	Summary of Detected Results				
									Average	Minimum	Maximum	DCG	Units
E026.85	Los Alamos below Omega West	Q2	UF	RAD	Gross alpha	3	2	1	47.3	20.8	73.7	30	pCi/L
E030	Los Alamos above DP Canyon	Q2	UF	RAD	Gross alpha	3	3	1	44.8	2.3	119	30	pCi/L
E039	DP below Meadow at TA-21	Q1	UF	RAD	Gross alpha	1	1	1	105	105	105	30	pCi/L
E039	DP below Meadow at TA-21	Q2	UF	RAD	Gross alpha	2	2	2	44.7	31.7	57.7	30	pCi/L
E042	Los Alamos above SR-4	Q1	UF	RAD	Gross alpha	2	2	2	228	170	286	30	pCi/L
E042	Los Alamos above SR-4	Q2	UF	RAD	Gross alpha	3	3	1	28.2	2.89	53.1	30	pCi/L
E050	Los Alamos below LA Weir	Q1	UF	RAD	Gross alpha	1	1	1	31.3	31.3	31.3	30	pCi/L
E055.5	South Fork of Acid Canyon	Q2	UF	RAD	Gross alpha	1	1	1	30.5	30.5	30.5	30	pCi/L
E056	Acid above Pueblo	Q2	UF	RAD	Gross alpha	1	1	1	69.5	69.5	69.5	30	pCi/L
E099	Guaje at SR-502	Q1	UF	RAD	Gross alpha	1	1	1	207	207	207	30	pCi/L
E110	Los Alamos Canyon near Otowi Bridge	Q1	UF	RAD	Gross alpha	1	1	1	39.2	39.2	39.2	30	pCi/L
E123	Sandia below Wetlands	Q1	UF	RAD	Gross alpha	1	1	1	66.9	66.9	66.9	30	pCi/L
E123	Sandia below Wetlands	Q2	UF	RAD	Gross alpha	3	3	3	33.9	30.1	36	30	pCi/L
E124	Sandia above Firing Range	Q2	UF	RAD	Gross alpha	1	1	1	152	152	152	30	pCi/L
E200	Mortandad below Effluent Canyon	Q1	UF	RAD	Gross alpha	1	1	1	132	132	132	30	pCi/L
E200	Mortandad below Effluent Canyon	Q2	UF	RAD	Gross alpha	1	1	1	39.5	39.5	39.5	30	pCi/L
E201.3	Ten Site below MDA C	Q2	UF	RAD	Gross alpha	3	3	1	19.9	6.51	44.7	30	pCi/L
E243.5	Twomile tributary at TA-3	Q1	UF	RAD	Gross alpha	2	2	2	32.4	30.2	34.6	30	pCi/L
E244	Twomile above Pajarito	Q1	UF	RAD	Gross alpha	1	1	1	57.9	57.9	57.9	30	pCi/L
E245	Pajarito above TA-18	Q1	UF	RAD	Gross alpha	1	1	1	93.4	93.4	93.4	30	pCi/L

* Los Alamos National Laboratory performs voluntary monitoring and reporting of radionuclide concentrations in storm water and snowmelt runoff. Radionuclide concentrations in water are compared with DOE's Derived Concentration Guides (DCGs) to evaluate potential impacts to members of the public. The DCGs for water are those concentrations in water that if consumed at a maximum rate of 730 liters over an entire year, would give a dose of 100 mrem per year. DCGs are intended for comparison with filtered water suitable for drinking; the results presented in this table are for unfiltered samples and contain suspended sediment. DCGs are also calculated for annual exposure to drinking water and should be compared with time-averaged annual concentrations. The sample results presented in this table represent single grab samples of storm water or snowmelt flows that are not sustained throughout the year.

Table 5
Site-Specific Storm Water Monitoring 2007
Cumulative to July 17, 2007
Analytical Results greater than wSAL - Summary for Potential Inorganic and Organic Pollutants (Except Aluminum and Magnesium)

Station ID	Station Name	Quarter	F/UF	Analytical Suite	Analyte	Number of Analyses	Number of Detects	Number > wSAL	Summary of Detected Results			wSAL		
									Average	Minimum	Maximum	Stream Type	Value	Units
2M-SMA-1.7	SS2438	Q2	UF	METALS	Copper	3	3	1	28.3	4.9	71.8	Ephemeral	14	ug/L
2M-SMA-1.7	SS2438	Q2	UF	METALS	Lead	3	3	1	43.0	2.3	111	Ephemeral	81.7	ug/L
2M-SMA-1.7	SS2438	Q2	UF	METALS	Zinc	3	3	1	107	9.6	272	Ephemeral	120	ug/L
2M-SMA-2	E243.5	Q1	UF	METALS	Copper	2	2	2	129	53.6	204	Ephemeral	14	ug/L
2M-SMA-2	E243.5	Q1	UF	METALS	Zinc	2	2	2	874	417	1330	Ephemeral	120	ug/L
2M-SMA-2	E243.5	Q2	UF	METALS	Copper	2	2	2	83.4	31.7	135	Ephemeral	14	ug/L
2M-SMA-2	E243.5	Q2	UF	METALS	Zinc	2	2	2	635	282	987	Ephemeral	120	ug/L
ACID-SMA-2	E055.5	Q1	UF	METALS	Copper	1	1	1	59.5	59.5	59.5	Ephemeral	14	ug/L
ACID-SMA-2	E055.5	Q1	UF	METALS	Zinc	1	1	1	373	373	373	Ephemeral	120	ug/L
ACID-SMA-2	E055.5	Q2	UF	METALS	Copper	1	1	1	33.7	33.7	33.7	Ephemeral	14	ug/L
ACID-SMA-2	E055.5	Q2	UF	METALS	Zinc	1	1	1	199	199	199	Ephemeral	120	ug/L
ACID-SMA-2	E056	Q2	UF	METALS	Arsenic	1	1	1	17.8	17.8	17.8	Ephemeral	9	ug/L
ACID-SMA-2	E056	Q2	UF	METALS	Cadmium	1	1	1	3.1	3.1	3.1	Ephemeral	2.1	ug/L
ACID-SMA-2	E056	Q2	UF	METALS	Copper	1	1	1	79.9	79.9	79.9	Ephemeral	14	ug/L
ACID-SMA-2	E056	Q2	UF	METALS	Lead	1	1	1	293	293	293	Ephemeral	81.7	ug/L
ACID-SMA-2	E056	Q2	UF	METALS	Zinc	1	1	1	867	867	867	Ephemeral	120	ug/L
CDB-SMA-1.7	SS2189	Q2	UF	METALS	Copper	1	1	1	20.3	20.3	20.3	Ephemeral	14	ug/L
LA-SMA-1 (A)	SS0263	Q2	UF	METALS	Copper	1	1	1	34.6	34.6	34.6	Ephemeral	14	ug/L
LA-SMA-1 (A)	SS0263	Q2	UF	METALS	Zinc	1	1	1	231	231	231	Ephemeral	120	ug/L
LA-SMA-1.5(S)	02653-S	Q2	UF	METALS	Copper	3	3	2	36.5	10.6	81.5	Ephemeral	14	ug/L
LA-SMA-1.5(S)	02653-S	Q2	UF	METALS	Zinc	3	3	1	287	79.7	668	Ephemeral	120	ug/L
LA-SMA-2	SS0265	Q2	UF	METALS	Copper	3	3	1	23.4	12.6	44.5	Ephemeral	14	ug/L
LA-SMA-2	SS0265	Q2	UF	METALS	Zinc	3	3	2	274	81	570	Ephemeral	120	ug/L
LA-SMA-2	SS0265	Q2	UF	PEST/PCB	Aroclor-1254	3	3	3	6.47	3.6	12.1	Ephemeral	0.00064	ug/L
LA-SMA-2	SS0265	Q2	UF	PEST/PCB	Aroclor-1260	3	3	3	2.3	1.3	4.2	Ephemeral	0.00064	ug/L
LA-SMA-4	SS0267	Q2	UF	METALS	Copper	1	1	1	36.1	36.1	36.1	Ephemeral	14	ug/L
LA-SMA-4	SS0267	Q2	UF	METALS	Zinc	1	1	1	249	249	249	Ephemeral	120	ug/L
LA-SMA-5.4	SS02683	Q2	UF	METALS	Copper	1	1	1	17.4	17.4	17.4	Ephemeral	14	ug/L
LA-SMA-5.5	E026.85	Q1	UF	PEST/PCB	Aroclor-1242	1	1	1	0.16	0.16	0.16	Ephemeral	0.00064	ug/L
LA-SMA-5.5	E026.85	Q2	UF	METALS	Copper	3	2	2	29.5	27.9	31.1	Ephemeral	14	ug/L
LA-SMA-5.5	E026.85	Q2	UF	METALS	Lead	3	3	1	52.7	0.98	95.1	Ephemeral	81.7	ug/L
LA-SMA-5.5	E026.85	Q2	UF	METALS	Zinc	3	3	2	169	10.4	277	Ephemeral	120	ug/L
LA-SMA-5.5	E026.85	Q2	UF	PEST/PCB	Aroclor-1254	3	1	1	0.059	0.059	0.059	Ephemeral	0.00064	ug/L
LA-SMA-5.5	E026.85	Q2	UF	PEST/PCB	Aroclor-1260	3	1	1	0.059	0.059	0.059	Ephemeral	0.00064	ug/L
M-SMA-4	SS1987	Q2	UF	METALS	Copper	1	1	1	24.7	24.7	24.7	Ephemeral	14	ug/L
M-SMA-8	E200	Q1	UF	METALS	Copper	1	1	1	23.5	23.5	23.5	Ephemeral	14	ug/L
M-SMA-8	E200	Q1	UF	METALS	Zinc	1	1	1	231	231	231	Ephemeral	120	ug/L
M-SMA-8	E200	Q2	UF	METALS	Arsenic	1	1	1	11.3	11.3	11.3	Ephemeral	9	ug/L
M-SMA-8	E200	Q2	UF	METALS	Copper	1	1	1	19.2	19.2	19.2	Ephemeral	14	ug/L
M-SMA-8	E200	Q2	UF	METALS	Zinc	1	1	1	144	144	144	Ephemeral	120	ug/L

Table 5
Site-Specific Storm Water Monitoring 2007
Cumulative to July 17, 2007
Analytical Results greater than wSAL - Summary for Potential Inorganic and Organic Pollutants (Except Aluminum and Magnesium)

Station ID	Station Name	Quarter	F/UF	Analytical Suite	Analyte	Number of Analyses	Number of Detects	Number > wSAL	Summary of Detected Results			wSAL		
									Average	Minimum	Maximum	Stream Type	Value	Units
M-SMA-10.3	SS20025	Q2	UF	METALS	Copper	2	2	1	18.1	7.5	28.6	Ephemeral	14	ug/L
M-SMA-10.3	SS20025	Q2	UF	METALS	Zinc	2	2	1	109	32.9	186	Ephemeral	120	ug/L
PJ-SMA-15	E249.5	Q2	UF	METALS	Copper	3	2	2	28.7	21.3	36	Ephemeral	14	ug/L
PJ-SMA-15	E249.5	Q2	UF	METALS	Zinc	3	3	2	223	107	338	Ephemeral	120	ug/L
R-SMA-1	SS00	Q2	UF	METALS	Arsenic	3	3	2	15.2	6.5	19.8	Ephemeral	9	ug/L
R-SMA-1	SS00	Q2	UF	METALS	Copper	3	3	3	61.1	32.1	76	Ephemeral	14	ug/L
R-SMA-1	SS00	Q2	UF	METALS	Lead	3	3	2	90.6	40.9	116	Ephemeral	81.7	ug/L
R-SMA-1	SS00	Q2	UF	METALS	Mercury	3	3	2	0.61	0.19	0.85	Ephemeral	0.77	ug/L
R-SMA-1	SS00	Q2	UF	METALS	Vanadium	3	3	2	90.0	45.9	115	Ephemeral	100	ug/L
R-SMA-1	SS00	Q2	UF	METALS	Zinc	3	3	3	285	147	361	Ephemeral	120	ug/L
S-SMA-0.2	SS1219	Q2	UF	METALS	Cadmium	2	2	2	1.93	0.36	3.5	Perennial	0.28	ug/L
S-SMA-0.2	SS1219	Q2	UF	METALS	Copper	2	2	2	54	38.1	69.9	Perennial	9.4	ug/L
S-SMA-0.2	SS1219	Q2	UF	METALS	Lead	2	2	2	91.8	55.5	128	Perennial	3.2	ug/L
S-SMA-0.2	SS1219	Q2	UF	METALS	Zinc	2	2	2	535	323	747	Perennial	120	ug/L
S-SMA-0.2	SS1219	Q2	UF	SVOA	Benzo(a)anthracene	1	1	1	0.518	0.518	0.518	Perennial	0.18	ug/L
S-SMA-0.2	SS1219	Q2	UF	SVOA	Benzo(a)pyrene	1	1	1	0.486	0.486	0.486	Perennial	0.18	ug/L
S-SMA-0.2	SS1219	Q2	UF	SVOA	Chrysene	1	1	1	0.614	0.614	0.614	Perennial	0.18	ug/L
S-SMA-1	E122	Q1	UF	METALS	Cadmium	1	1	1	0.99	0.99	0.99	Perennial	0.28	ug/L
S-SMA-1	E122	Q1	UF	METALS	Copper	1	1	1	60	60	60	Perennial	9.4	ug/L
S-SMA-1	E122	Q1	UF	METALS	Lead	1	1	1	60.9	60.9	60.9	Perennial	3.2	ug/L
S-SMA-1	E122	Q1	UF	METALS	Zinc	1	1	1	665	665	665	Perennial	120	ug/L
S-SMA-1	E122	Q2	UF	METALS	Cadmium	3	3	2	0.4	0.18	0.58	Perennial	0.28	ug/L
S-SMA-1	E122	Q2	UF	METALS	Copper	3	3	3	32.1	16.8	44.5	Perennial	9.4	ug/L
S-SMA-1	E122	Q2	UF	METALS	Lead	3	3	3	38.9	5.5	67.5	Perennial	3.2	ug/L
S-SMA-1	E122	Q2	UF	METALS	Zinc	3	3	2	289	27.7	454	Perennial	120	ug/L
S-SMA-1	E122	Q2	UF	PEST/PCB	Aroclor-1254	3	1	1	0.063	0.063	0.063	Perennial	0.00064	ug/L
S-SMA-1	E122	Q2	UF	PEST/PCB	Aroclor-1260	3	1	1	0.05	0.05	0.05	Perennial	0.00064	ug/L
S-SMA-1	E122.2	Q1	UF	METALS	Arsenic	1	1	1	10.2	10.2	10.2	Perennial	9	ug/L
S-SMA-1	E122.2	Q1	UF	METALS	Cadmium	1	1	1	3.5	3.5	3.5	Perennial	0.28	ug/L
S-SMA-1	E122.2	Q1	UF	METALS	Copper	1	1	1	136	136	136	Perennial	9.4	ug/L
S-SMA-1	E122.2	Q1	UF	METALS	Lead	1	1	1	124	124	124	Perennial	3.2	ug/L
S-SMA-1	E122.2	Q1	UF	METALS	Zinc	1	1	1	909	909	909	Perennial	120	ug/L
S-SMA-1	E122.2	Q2	UF	METALS	Cadmium	2	1	1	0.47	0.47	0.47	Perennial	0.28	ug/L
S-SMA-1	E122.2	Q2	UF	METALS	Copper	2	2	2	17.1	16.1	18	Perennial	9.4	ug/L
S-SMA-1	E122.2	Q2	UF	METALS	Lead	2	2	2	18.1	5	31.2	Perennial	3.2	ug/L
S-SMA-3.5	SS12293	Q2	UF	METALS	Cadmium	3	3	3	0.71	0.43	1.2	Perennial	0.28	ug/L
S-SMA-3.5	SS12293	Q2	UF	METALS	Copper	3	3	3	25.3	22.2	31.5	Perennial	9.4	ug/L
S-SMA-3.5	SS12293	Q2	UF	METALS	Lead	3	3	3	27.0	22	32.1	Perennial	3.2	ug/L
S-SMA-3.5	SS12293	Q2	UF	METALS	Zinc	3	3	3	239	184	287	Perennial	120	ug/L
S-SMA-3.6	SS12255	Q2	UF	METALS	Cadmium	3	3	3	0.76	0.42	1.2	Perennial	0.28	ug/L

Table 5
Site-Specific Storm Water Monitoring 2007
Cumulative to July 17, 2007
Analytical Results greater than wSAL - Summary for Potential Inorganic and Organic Pollutants (Except Aluminum and Magnesium)

Station ID	Station Name	Quarter	F/UF	Analytical Suite	Analyte	Number of Analyses	Number of Detects	Number > wSAL	Summary of Detected Results			wSAL		
									Average	Minimum	Maximum	Stream Type	Value	Units
S-SMA-3.6	SS12255	Q2	UF	METALS	Copper	3	3	3	34.7	26.1	46.5	Perennial	9.4	ug/L
S-SMA-3.6	SS12255	Q2	UF	METALS	Lead	3	3	3	34.0	13.5	53.7	Perennial	3.2	ug/L
S-SMA-3.6	SS12255	Q2	UF	METALS	Zinc	3	3	3	440	288	606	Perennial	120	ug/L
S-SMA-4	SS1238	Q2	UF	METALS	Copper	1	1	1	33.4	33.4	33.4	Ephemeral	14	ug/L
S-SMA-4	SS1238	Q2	UF	METALS	Zinc	1	1	1	372	372	372	Ephemeral	120	ug/L
S-SMA-4	SS1238	Q2	UF	PEST/PCB	Aroclor-1254	1	1	1	0.053	0.053	0.053	Ephemeral	0.00064	ug/L
S-SMA-6	SS1248	Q2	UF	METALS	Mercury	1	1	1	1	1	1	Ephemeral	0.77	ug/L
STRM-SMA-5	SS2419	Q2	UF	METALS	Copper	1	1	1	12	12	12	Perennial	9.4	ug/L
T-SMA-1	E201.3	Q1	UF	METALS	Arsenic	2	2	2	24.3	24	24.6	Ephemeral	9	ug/L
T-SMA-1	E201.3	Q1	UF	METALS	Copper	2	2	2	33.9	21.6	46.2	Ephemeral	14	ug/L
T-SMA-1	E201.3	Q1	UF	METALS	Zinc	2	2	2	412	197	626	Ephemeral	120	ug/L
T-SMA-1	E201.3	Q1	UF	PEST/PCB	Aroclor-1260	1	1	1	0.082	0.082	0.082	Ephemeral	0.00064	ug/L
T-SMA-1	E201.3	Q2	UF	METALS	Arsenic	2	1	1	20.1	20.1	20.1	Ephemeral	9	ug/L
T-SMA-1	E201.3	Q2	UF	METALS	Copper	2	2	1	16.0	9.3	22.6	Ephemeral	14	ug/L
T-SMA-1	E201.3	Q2	UF	METALS	Zinc	2	2	2	233	229	236	Ephemeral	120	ug/L
T-SMA-1	E201.3	Q2	UF	PEST/PCB	Aroclor-1260	2	2	2	0.099	0.078	0.12	Ephemeral	0.00064	ug/L
W-SMA-5	SS2528	Q2	UF	METALS	Copper	1	1	1	17	17	17	Ephemeral	14	ug/L

Table 6
Site-Specific Storm Water Monitoring 2007
Cumulative to July 17, 2007
Analytical Results greater than wSAL - Summary for Aluminum and Magnesium

Station ID	Station Name	Quarter	F/UF	Analytical Suite	Analyte	Number of Analyses	Number of Detects	Number > wSAL	Summary of Detected Results			wSAL		
									Average	Minimum	Maximum	Stream Type	Value	Units
2M-SMA-1	SS2432	Q2	UF	GENINORG	Magnesium	1	1	1	0.35	0.35	0.35	Ephemeral	0.0636	mg/L
2M-SMA-1.7	SS2438	Q2	UF	GENINORG	Magnesium	3	3	3	1.36	0.198	3.64	Ephemeral	0.0636	mg/L
2M-SMA-1.7	SS2438	Q2	UF	METALS	Aluminum	3	3	1	7007	506	20000	Ephemeral	750	ug/L
2M-SMA-2	E243.5	Q1	UF	GENINORG	Magnesium	2	2	2	2.15	1.17	3.12	Ephemeral	0.0636	mg/L
2M-SMA-2	E243.5	Q1	UF	METALS	Aluminum	2	2	2	3550	2440	4660	Ephemeral	750	ug/L
2M-SMA-2	E243.5	Q2	UF	GENINORG	Magnesium	2	2	2	0.906	0.411	1.4	Ephemeral	0.0636	mg/L
2M-SMA-2	E243.5	Q2	UF	METALS	Aluminum	2	2	1	1159	278	2040	Ephemeral	750	ug/L
ACID-SMA-1	SS0553	Q2	UF	GENINORG	Magnesium	2	2	2	3.36	2.42	4.29	Ephemeral	0.0636	mg/L
ACID-SMA-1	SS0553	Q2	UF	METALS	Aluminum	2	2	2	10865	9030	12700	Ephemeral	750	ug/L
ACID-SMA-2	E055.5	Q1	UF	GENINORG	Magnesium	1	1	1	7.74	7.74	7.74	Ephemeral	0.0636	mg/L
ACID-SMA-2	E055.5	Q1	UF	METALS	Aluminum	1	1	1	26300	26300	26300	Ephemeral	750	ug/L
ACID-SMA-2	E055.5	Q2	UF	GENINORG	Magnesium	1	1	1	5.16	5.16	5.16	Ephemeral	0.0636	mg/L
ACID-SMA-2	E055.5	Q2	UF	METALS	Aluminum	1	1	1	28200	28200	28200	Ephemeral	750	ug/L
ACID-SMA-2	E056	Q2	UF	GENINORG	Magnesium	1	1	1	8.51	8.51	8.51	Ephemeral	0.0636	mg/L
ACID-SMA-2	E056	Q2	UF	METALS	Aluminum	1	1	1	43800	43800	43800	Ephemeral	750	ug/L
CDB-SMA-1.7	SS2189	Q2	UF	GENINORG	Magnesium	1	1	1	5.87	5.87	5.87	Ephemeral	0.0636	mg/L
CDB-SMA-1.7	SS2189	Q2	UF	METALS	Aluminum	1	1	1	23600	23600	23600	Ephemeral	750	ug/L
CDV-SMA-2.5	E257	Q1	UF	GENINORG	Magnesium	1	1	1	5.18	5.18	5.18	Ephemeral	0.0636	mg/L
CDV-SMA-2.5	E257	Q1	UF	METALS	Aluminum	1	1	1	17200	17200	17200	Ephemeral	750	ug/L
CHQ-SMA-5	SS3376	Q2	UF	GENINORG	Magnesium	1	1	1	0.552	0.552	0.552	Ephemeral	0.0636	mg/L
LA-SMA-1 (A)	SS0263	Q2	UF	GENINORG	Magnesium	1	1	1	3.99	3.99	3.99	Ephemeral	0.0636	mg/L
LA-SMA-1 (A)	SS0263	Q2	UF	METALS	Aluminum	1	1	1	15800	15800	15800	Ephemeral	750	ug/L
LA-SMA-1.5(S)	02653-S	Q2	UF	GENINORG	Magnesium	3	3	3	3.16	0.642	7.72	Ephemeral	0.0636	mg/L
LA-SMA-1.5(S)	02653-S	Q2	UF	METALS	Aluminum	3	3	2	10846	507	29700	Ephemeral	750	ug/L
LA-SMA-2	SS0265	Q2	UF	GENINORG	Magnesium	3	3	3	2.74	1.5	5.14	Ephemeral	0.0636	mg/L
LA-SMA-2	SS0265	Q2	UF	METALS	Aluminum	3	3	3	8310	1420	19300	Ephemeral	750	ug/L
LA-SMA-4	SS0267	Q2	UF	GENINORG	Magnesium	1	1	1	4.47	4.47	4.47	Ephemeral	0.0636	mg/L
LA-SMA-4	SS0267	Q2	UF	METALS	Aluminum	1	1	1	32900	32900	32900	Ephemeral	750	ug/L
LA-SMA-5.4	SS02683	Q2	UF	GENINORG	Magnesium	1	1	1	3.68	3.68	3.68	Ephemeral	0.0636	mg/L
LA-SMA-5.4	SS02683	Q2	UF	METALS	Aluminum	1	1	1	8060	8060	8060	Ephemeral	750	ug/L
LA-SMA-5.5	E026.85	Q1	UF	GENINORG	Magnesium	1	1	1	4.3	4.3	4.3	Ephemeral	0.0636	mg/L
LA-SMA-5.5	E026.85	Q1	UF	METALS	Aluminum	1	1	1	3360	3360	3360	Ephemeral	750	ug/L
LA-SMA-5.5	E026.85	Q2	UF	GENINORG	Magnesium	3	3	3	4.80	3.49	5.52	Ephemeral	0.0636	mg/L
LA-SMA-5.5	E026.85	Q2	UF	METALS	Aluminum	3	3	3	11590	1370	22800	Ephemeral	750	ug/L
M-SMA-10.3	SS20025	Q2	UF	GENINORG	Magnesium	2	2	2	2.26	1.15	3.36	Ephemeral	0.0636	mg/L
M-SMA-10.3	SS20025	Q2	UF	METALS	Aluminum	2	2	2	8385	4770	12000	Ephemeral	750	ug/L
M-SMA-4	SS1987	Q2	UF	GENINORG	Magnesium	1	1	1	1.33	1.33	1.33	Ephemeral	0.0636	mg/L
M-SMA-8	E200	Q1	UF	GENINORG	Magnesium	1	1	1	6.47	6.47	6.47	Ephemeral	0.0636	mg/L
M-SMA-8	E200	Q1	UF	METALS	Aluminum	1	1	1	32000	32000	32000	Ephemeral	750	ug/L

Table 6
Site-Specific Storm Water Monitoring 2007
Cumulative to July 17, 2007
Analytical Results greater than wSAL - Summary for Aluminum and Magnesium

Station ID	Station Name	Quarter	F/UF	Analytical Suite	Analyte	Number of Analyses	Number of Detects	Number > wSAL	Summary of Detected Results			wSAL		
									Average	Minimum	Maximum	Stream Type	Value	Units
M-SMA-8	E200	Q2	UF	GENINORG	Magnesium	1	1	1	2.74	2.74	2.74	Ephemeral	0.0636	mg/L
M-SMA-8	E200	Q2	UF	METALS	Aluminum	1	1	1	14400	14400	14400	Ephemeral	750	ug/L
PJ-SMA-15	E249.5	Q1	UF	GENINORG	Magnesium	1	1	1	0.864	0.864	0.864	Ephemeral	0.0636	mg/L
PJ-SMA-15	E249.5	Q1	UF	METALS	Aluminum	1	1	1	2120	2120	2120	Ephemeral	750	ug/L
PJ-SMA-15	E249.5	Q2	UF	GENINORG	Magnesium	3	3	3	1.33	0.714	2.08	Ephemeral	0.0636	mg/L
PJ-SMA-15	E249.5	Q2	UF	METALS	Aluminum	3	3	2	2790	520	5900	Ephemeral	750	ug/L
PJ-SMA-E250	E250	Q1	UF	GENINORG	Magnesium	1	1	1	11.5	11.5	11.5	Ephemeral	0.0636	mg/L
R-SMA-1	SS00	Q2	UF	GENINORG	Magnesium	3	3	3	15.1	9.04	18.4	Ephemeral	0.0636	mg/L
R-SMA-1	SS00	Q2	UF	METALS	Aluminum	3	3	3	80367	43300	101000	Ephemeral	750	ug/L
S-SMA-0.2	SS1219	Q2	UF	GENINORG	Magnesium	2	2	2	5.95	5.17	6.73	Perennial	0.0636	mg/L
S-SMA-0.2	SS1219	Q2	UF	METALS	Aluminum	2	2	2	14000	7600	20400	Perennial	87	ug/L
S-SMA-1	E122	Q1	UF	GENINORG	Magnesium	1	1	1	5.39	5.39	5.39	Perennial	0.0636	mg/L
S-SMA-1	E122	Q1	UF	METALS	Aluminum	1	1	1	12100	12100	12100	Perennial	87	ug/L
S-SMA-1	E122	Q2	UF	GENINORG	Magnesium	3	3	3	3.16	2.27	3.76	Perennial	0.0636	mg/L
S-SMA-1	E122	Q2	UF	METALS	Aluminum	3	3	3	7860	5930	8900	Perennial	87	ug/L
S-SMA-1	E122.2	Q1	UF	GENINORG	Magnesium	1	1	1	8.23	8.23	8.23	Perennial	0.0636	mg/L
S-SMA-1	E122.2	Q1	UF	METALS	Aluminum	1	1	1	11900	11900	11900	Perennial	87	ug/L
S-SMA-1	E122.2	Q2	UF	GENINORG	Magnesium	2	2	2	1.79	0.904	2.67	Perennial	0.0636	mg/L
S-SMA-1	E122.2	Q2	UF	METALS	Aluminum	2	2	2	2955	1370	4540	Perennial	87	ug/L
S-SMA-3.5	SS12293	Q2	UF	GENINORG	Magnesium	3	3	3	4.45	3.75	5.15	Perennial	0.0636	mg/L
S-SMA-3.5	SS12293	Q2	UF	METALS	Aluminum	3	3	3	26267	24500	28100	Perennial	87	ug/L
S-SMA-3.6	SS12255	Q2	UF	GENINORG	Magnesium	3	3	3	3.40	2.09	5.25	Perennial	0.0636	mg/L
S-SMA-3.6	SS12255	Q2	UF	METALS	Aluminum	3	3	3	10523	5060	18900	Perennial	87	ug/L
S-SMA-4	SS1238	Q2	UF	GENINORG	Magnesium	1	1	1	2.96	2.96	2.96	Ephemeral	0.0636	mg/L
S-SMA-4	SS1238	Q2	UF	METALS	Aluminum	1	1	1	15100	15100	15100	Ephemeral	750	ug/L
STRM-SMA-5	SS2419	Q2	UF	GENINORG	Magnesium	1	1	1	0.902	0.902	0.902	Perennial	0.0636	mg/L
STRM-SMA-5	SS2419	Q2	UF	METALS	Aluminum	1	1	1	2840	2840	2840	Perennial	87	ug/L
T-SMA-1	E201.3	Q1	UF	GENINORG	Magnesium	2	2	2	4.1	1.95	6.25	Ephemeral	0.0636	mg/L
T-SMA-1	E201.3	Q1	UF	METALS	Aluminum	2	2	2	23300	10000	36600	Ephemeral	750	ug/L
T-SMA-1	E201.3	Q2	UF	GENINORG	Magnesium	2	2	2	1.535	1	2.07	Ephemeral	0.0636	mg/L
T-SMA-1	E201.3	Q2	UF	METALS	Aluminum	2	2	2	7295	2790	11800	Ephemeral	750	ug/L
T-SMA-3	SS20134	Q2	UF	GENINORG	Magnesium	1	1	1	1.5	1.5	1.5	Ephemeral	0.0636	mg/L
T-SMA-3	SS20134	Q2	UF	METALS	Aluminum	1	1	1	6390	6390	6390	Ephemeral	750	ug/L
W-SMA-13	SS26234	Q2	UF	GENINORG	Magnesium	1	1	1	1.24	1.24	1.24	Ephemeral	0.0636	mg/L
W-SMA-13	SS26234	Q2	UF	METALS	Aluminum	1	1	1	5730	5730	5730	Ephemeral	750	ug/L
W-SMA-5	SS2528	Q2	UF	GENINORG	Magnesium	1	1	1	0.823	0.823	0.823	Ephemeral	0.0636	mg/L

Table 7
Site-Specific Storm Water Monitoring 2007
Cumulative to July 17, 2007
Analytical Results greater than wSAL - Summary for Gross Alpha*

Station ID	Station Name	Quarter	F/UF	Analytical Suite	Analyte	Number of Analyses	Number of Detects	Number > wSAL	Summary of Detected Results			wSAL		
									Average	Minimum	Maximum	Stream Type	Value	Units
2M-SMA-2	E243.5	Q1	UF	RAD	Gross alpha	2	2	2	32.4	30.2	34.6	Ephemeral	15	pCi/L
2M-SMA-2	E243.5	Q1	UF	RAD	Gross alpha, adjusted	1	1	1	30.7	30.7	30.7	Ephemeral	15	pCi/L
ACID-SMA-2	E055.5	Q2	UF	RAD	Gross alpha	1	1	1	30.5	30.5	30.5	Ephemeral	15	pCi/L
ACID-SMA-2	E055.5	Q2	UF	RAD	Gross alpha, adjusted	1	1	1	27.2	27.2	27.2	Ephemeral	15	pCi/L
ACID-SMA-2	E056	Q2	UF	RAD	Gross alpha	1	1	1	69.5	69.5	69.5	Ephemeral	15	pCi/L
ACID-SMA-2	E056	Q2	UF	RAD	Gross alpha, adjusted	1	1	1	43.9	43.9	43.9	Ephemeral	15	pCi/L
LA-SMA-2	SS0265	Q2	UF	RAD	Gross alpha	3	3	1	16.6	10.1	26	Ephemeral	15	pCi/L
LA-SMA-4	SS0267	Q2	UF	RAD	Gross alpha	1	1	1	29.9	29.9	29.9	Ephemeral	15	pCi/L
LA-SMA-4	SS0267	Q2	UF	RAD	Gross alpha, adjusted	1	1	1	21.5	21.5	21.5	Ephemeral	15	pCi/L
LA-SMA-5.5	E026.85	Q2	UF	RAD	Gross alpha	3	2	2	47.25	20.8	73.7	Ephemeral	15	pCi/L
LA-SMA-5.5	E026.85	Q2	UF	RAD	Gross alpha, adjusted	1	1	1	16.0	16.0	16.0	Ephemeral	15	pCi/L
M-SMA-8	E200	Q1	UF	RAD	Gross alpha	1	1	1	132	132	132	Ephemeral	15	pCi/L
M-SMA-8	E200	Q1	UF	RAD	Gross alpha, adjusted	1	1	1	92.8	92.8	92.8	Ephemeral	15	pCi/L
M-SMA-8	E200	Q2	UF	RAD	Gross alpha	1	1	1	39.5	39.5	39.5	Ephemeral	15	pCi/L
S-SMA-1	E122	Q1	UF	RAD	Gross alpha	1	1	1	18.6	18.6	18.6	Perennial	15	pCi/L
S-SMA-3.5	SS12293	Q2	UF	RAD	Gross alpha	3	3	2	15.9	14.9	16.8	Perennial	15	pCi/L
S-SMA-4	SS1238	Q2	UF	RAD	Gross alpha	1	1	1	36.8	36.8	36.8	Ephemeral	15	pCi/L
S-SMA-4	SS1238	Q2	UF	RAD	Gross alpha, adjusted	1	1	1	25.6	25.6	25.6	Ephemeral	15	pCi/L
T-SMA-1	E201.3	Q1	UF	RAD	Gross alpha	2	2	1	13.4	8.29	18.5	Ephemeral	15	pCi/L
T-SMA-1	E201.3	Q2	UF	RAD	Gross alpha	3	3	1	19.9	6.51	44.7	Ephemeral	15	pCi/L

* **"Adjusted gross alpha"** means the total radioactivity due to alpha particle emission as inferred from measurements on a dry sample, including radium-226, but excluding radon-222 and uranium. Also excluded are source, special nuclear and by-product material as defined by the Atomic Energy Act of 1954. (NMAC 20.6.4.7.B)

The Laboratory calculates an Adjusted Gross Alpha value by subtracting from the reported Gross Alpha value the measured concentrations for uranium isotopes and the following Atomic Energy Act exempt radionuclides: Am-241, Np-237, Po-210, Pu-238, Pu-239,240, Th-228, Th-230, Th-232. (Note: typically, the Laboratory does not measure Rn-222 in surface water samples.)

Table 8
Site-Specific Storm Water Monitoring 2007
Cumulative to July 17, 2007
Analytical Results greater than DOE DCG*

Station ID	Station Name	Quarter	F/UF	Analytical Suite	Analyte	Number of Analyses	Number of Detects	Number > DCG	Summary of Detected Results				
									Average	Minimum	Maximum	DCG	Units
2M-SMA-2	E243.5	Q1	UF	RAD	Gross alpha	2	2	2	32.4	30.2	34.6	30	pCi/L
ACID-SMA-2	E055.5	Q2	UF	RAD	Gross alpha	1	1	1	30.5	30.5	30.5	30	pCi/L
ACID-SMA-2	E056	Q2	UF	RAD	Gross alpha	1	1	1	69.5	69.5	69.5	30	pCi/L
LA-SMA-5.5	E026.85	Q2	UF	RAD	Gross alpha	3	2	1	47.3	20.8	73.7	30	pCi/L
M-SMA-8	E200	Q1	UF	RAD	Gross alpha	1	1	1	132	132	132	30	pCi/L
M-SMA-8	E200	Q2	UF	RAD	Gross alpha	1	1	1	39.5	39.5	39.5	30	pCi/L
S-SMA-4	SS1238	Q2	UF	RAD	Gross alpha	1	1	1	36.8	36.8	36.8	30	pCi/L
T-SMA-1	E201.3	Q2	UF	RAD	Gross alpha	3	3	1	19.9	6.51	44.7	30	pCi/L

* Los Alamos National Laboratory performs voluntary monitoring and reporting of radionuclide concentrations in storm water and snowmelt runoff. Radionuclide concentrations in water are compared with DOE's Derived Concentration Guides (DCGs) to evaluate potential impacts to members of the public. The DCGs for water are those concentrations in water that if consumed at a maximum rate of 730 liters over an entire year, would give a dose of 100 mrem per year. DCGs are intended for comparison with filtered water suitable for drinking; the results presented in this table are for unfiltered samples and contain suspended sediment. DCGs are also calculated for annual exposure to drinking water and should be compared with time-averaged annual concentrations. The sample results presented in this table represent single grab samples of storm water or snowmelt flows that are not sustained throughout the year.