A. DEADLINES AND MILESTONES

Apr 02, 2007	*Storm Water Pollution Prevention Plan for SWMUs and AOCs* (SWMU/SWPPP) submittal, EPA and NMED
Apr 28, 2007	wSAL Exceedance Report submittal, EPA and NMED
May 28, 2007	wSAL Exceedance Report submittal, EPA and NMED
June 28, 2007	wSAL Exceedance Report submittal, EPA and NMED
July 26, 2007	EPA Region 6 approval of the 2007 SWMU/SWPPP

OVERALL PROGRESS

- ★ *MONITORING AT 162 SMAS WAS ON-GOING DURING THE 2ND QUARTER OF 2007.*
- ★ *122 RUNOFF SAMPLES WERE COLLECTED AT 42 SITE-SPECIFIC STATIONS DURING 2ND QUARTER.*
- ★ *~685 SITE INSPECTIONS WERE PERFORMED DURING 2ND QUARTER.*
- ★ *WSAL EXCEEDANCES AT 31 SMAS WERE OBSERVED DURING 2ND QUARTER AND ARE BEING ADDRESSED.*

B. PROGRESS MADE IN MEETING OTHER DEADLINES & MILESTONES

Details of the Site-specific sampling status for the second quarter (Q2) of 2007 are provided in Table 1, *2007 Site-Specific Monitoring Status.* Monitoring is on-going at 162 Site Monitoring Areas (SMAs) in accordance with the detailed sampling plans presented in Attachment 1, Part B, of the 2007 *Storm Water Pollution Prevention Plan for SWMUs and AOCs,* LA-UR-07-1789 (2007 SWMU/SWPPP). Configuration and siting of Site-specific samplers at 40 new SMAs was completed during Q2.

The watershed-scale sampling status for Q2 of 2007 is detailed in Table 2, *2007 Watershed-Scale Monitoring Status.* Monitoring was conducted at 61 automated gage stations during Q2.

Highlights of FFCA activities in Q2 of 2007 include

- ✓ Configuration and siting of samplers at 40 new SMAs planned for 2007;
- ✓ 122 snowmelt and storm water runoff samples collected at 42 SMAs; and
- ✓ 65 snowmelt and storm water runoff samples collected at 20 watershed gage stations.

(Note: Some of the SMA samples are also watershed samples where gage stations are used for both purposes.)

C. CORRECTIVE ACTIONS TAKEN TO ADDRESS WSAL EXCEEDANCES

The FFCA at ¶ 24 requires DOE to provide a quarterly status report on corrective actions taken to address wSAL exceedances. Specifically, the FFCA requires DOE to review data from water screening action level (wSAL) exceedances and determine whether pollutant or contaminant transport has occurred. If a pollutant or contaminant is detected above wSALs, DOE/LANL is required to conduct an investigation to determine the source within 30 days of receipt of the data (this report reflects data received from April 1 through June 30, 2007), and evaluate BMPs in accordance with the FFCA to determine if corrective action is required. For purposes of the FFCA, corrective action may include: install, re-examine, repair, modify BMPs, or source identification to control or eliminate the source or migration of pollutants or contaminants. In addition to conducting visual Site inspections, the Laboratory is developing statistical methods for source identification.

For the Q1 (January through March) and Q2 (April through June) monitoring periods, the number of SMAs for which wSAL exceedances were observed in one or more samples is summarized below for the major canyon drainage systems. For samples collected during Q1and Q2, wSAL exceedances were observed at 6 SMAs and 31 SMAs, respectively.

Watershed	Number of SMAs with wSAL Exceedances				
	Q1	Q2	Q3	Q4	Total*
Los Alamos/Pueblo Canyons	2	11			**11**
Sandia Canyon	1	7			**7**
Mortandad Canyon	2	8			**8**
Pajarito Canyon	1	4			**4**
Water Canyon/Canon de Valle	No samples	1			**1**
Ancho Canyon	No samples	No samples			**--**
Chaquehui Canyon	No samples	0			**0**
Subtotal	**6**	**31**			**31**

* Total will not equal the sum of each quarter if wSAL exceedances are observed at the same SMA(s) in more than one quarter.

- wSAL Exceedance Site Inspections

  The Laboratory performs visual Site inspections at each SMA where wSAL exceedances are observed. The wSAL exceedance inspections include the following items.

  - Inspecting the condition of existing Site structural BMPs to determine whether maintenance is required.
  - Inspecting the Site for visual evidence of: storm water runoff; excessive erosion; non-storm water discharges; and/or contact between significant materials and storm water.
  - Appraisal of whether existing BMPs are adequate for sediment control and erosion control at the Site, and recommendations for additional BMP installations.

- Use of Statistics to Identify Priority Sites for Corrective Actions

  Total contaminant concentrations greater than wSAL values can be found in high turbidity runoff samples. To develop efficient and proactive BMPs, the Laboratory must determine if the contaminant concentrations are due to Laboratory operations or due to natural or background sources. Local soils, geology, and weather patterns combine to produce naturally elevated and highly variable sediment loads, whether in storm water runoff from Sites, natural runoff (hillslope processes), or receiving waters (channel processes).

  To aid management decisions, it is important to identify the presence and magnitude of these background effects on water quality so that point and non-point sources that need to be managed may be distinguished from natural processes that cannot be controlled. An analysis of site monitoring data that incorporates background contributions is necessary to prioritize corrective actions such as BMP implementation, as well as track water quality changes over time at Sites that are subject to corrective action.

In response to this need, the Laboratory is developing a methodology to statistically characterize background conditions for metals and radionuclides in storm flow. Background conditions are those attributable only to non-Laboratory sources. Statistical correlations between total contaminant concentrations and suspended sediment concentrations (SSC) or surrogate (suspended aluminum) concentrations are established using sample results from locations upstream of and/or unaffected by Laboratory operations. Once the statistical associations are established, background ranges of metals or radionuclides can be predicted for a water sample in which the suspended solids (or surrogate) concentration is known. The statistical relationships allow us to account for (normalize) the amount of background metal concentrations in the water samples and, in turn, identify possible Laboratory impacts. The comparison with background helps establish priorities for BMP installation or other appropriate corrective actions.

D. DESCRIPTION OF MATTERS RELEVANT TO STATUS OF COMPLIANCE

- On July 26, 2007 EPA Region 6 approved the 2007 SWMU/SWPPP submitted by DOE/LANL as required by the FFCA. As a result of that approval, LANL is implementing the approved changes effective August 2007.

- Visual Monitoring Activities

  Visual monitoring is conducted pursuant to the MSGP under EPA's approved 2005 SMWU/SWPPP at FFCA gage stations and SMAs. The Facility is required to obtain four (4) samples on an annual basis (i.e., on or before December 31, 2007). Quarterly monitoring is not required under the MSGP because the Laboratory has a general waiver that allows collection of four samples annually due to weather conditions that do not allow for sampling to be spaced evenly during the year (§ 5.3.1). Four annual samples are also authorized under the FFCA. In addition, the majority of the Sites are located in areas that are unstaffed, inactive, and cannot be feasibly reached within 30 minutes of a qualifying storm event. No flow certifications are prepared and filed on a quarterly basis for those stations that did not have a qualifying storm event and thus were unable to collect a sample (i.e., insufficient flow to produce a discharge in volumes large enough to allow sample collection).

  Visual monitoring efforts at the watershed-scale gage stations during Q2 were ahead of schedule, and several stations have collected the requisite annual sampling of four or more samples. Watershed-scale monitoring was conducted at 61 gage stations. During Q2, a total of 65 visual monitoring samples were collected at 20 stations, and 12 stations had four or more samples collected and have met annual requirements. Although not required to be reported in this Q2 report, as of July 31, 2007 an additional 31 samples were collected at 21 stations with 17 stations having four or more samples collected.

  Site-specific monitoring was conducted at 162 SMAs using 167 stations (including gage stations also used for watershed-scale monitoring). During Q2, a total of 122 samples were collected at 42 stations, and 8 SMA stations had four or more samples collected. As of July 31, 2007 an additional 77 samples were collected at 49 stations with 21 SMA stations having four or more samples collected. (No flow certifications for Q2 at SMAs will be reflected in the next quarterly update.)

- BMP Inspection and Maintenance

  During Q2, LANL conducted 685 Site BMP inspections after 0.5 inch rain events and/or sampled events at 284 Sites per the requirements of the 2005 SWMU/SWPPP. As a result of the inspections, BMPs at five Sites were found to require maintenance. Maintenance at these Sites was performed in a timely manner as required by the MSGP and 2005 SWMU/SWPPP.

- Clean Water Act Assessments

  As reported in the 2007 SWMU/SWPPP, LANL continued progress in assessing Clean Water Act (CWA) criteria to determine applicability for inclusion of Sites in the Facility's Storm Water Individual Permit (Permit Application Number NM0030759). CWA criteria evaluated include: identification of point source discharges; determination of exposure to storm water; review of terminus point; and assessment of significant industrial materials.

- No instances of noncompliance were noted.

TABLE 1. 2007 SITE-SPECIFIC MONITORING STATUS

Watershed	SMA ID	Station ID	SMA Sampling Status	Monitoring Year Start	Site ID	Analytical & Visual Monitoring Samples					Four Sampling Events Completed? (Y/N)	Comment
						Q1*	Q2	Q3	Q4	Total		
Ancho	A-SMA-1	SS2731	ACTIVE	2005	39-004(a)	na	0	0		0	N	
					39-004(d)							
Ancho	A-SMA-2	SS2732	ACTIVE	2005	39-004(b)	na	0	0		0	N	
					39-004(e)							
Ancho	A-SMA-3	E273.7	ACTIVE	2005	39-004(c)	0	0	0		0	N	
Ancho	A-SMA-4	SS276	ACTIVE	2006	33-010(d)	na	0	0		0	N	
Ancho	A-SMA-5	SS320	ACTIVE	2006	33-010(b)	na	0	0		0	N	
Ancho	A-SMA-6	SS310	ACTIVE	2006	33-010(a)	na	0	0		0	N	
Chaquehui	CHQ-SMA-1	SS3397	ACTIVE	2006	33-004(h)	na	0	1		1	N	
					33-008(c)							
					33-015							
					C-33-001							
					C-33-003							
Chaquehui	CHQ-SMA-2	SS3374	ACTIVE	2006	33-004(d)	na	0	0		0	N	
					33-005(a)							
					33-005(b)							
					33-005(c)							
					C-33-003							
Chaquehui	CHQ-SMA-3	SS3397	ACTIVE	2006	33-010(f)	na	0	0		0	N	
Chaquehui	CHQ-SMA-4	SS3375	ACTIVE	2006	33-016	na	0	1		1	N	

TABLE 1, CONT'D. 2007 SITE-SPECIFIC MONITORING STATUS

Watershed	SMA ID	Station ID	SMA Sampling Status	Monitoring Year Start	Site ID	Analytical & Visual Monitoring Samples					Four Sampling Events Completed? (Y/N)	Comment
						Q1*	Q2	Q3	Q4	Total		
Chaquehui	CHQ-SMA-4.5	SS341	ACTIVE	2006	33-011(b)	na	0	0		0	N	
Chaquehui	CHQ-SMA-5	SS3376	ACTIVE	2006	33-007(b)	na	1	2		3	N	
Chaquehui	CHQ-SMA-6	SS3377	ACTIVE	2006	33-004(j)	na	0	1		1	N	
					33-006(a)							
					33-007(b)							
					33-010(c)							
					33-010(g)							
Chaquehui	CHQ-SMA-7	SS342	ACTIVE	2006	33-010(g)	na	0	0		0	N	
LA/Pueblo	ACID-SMA-1	SS0553	ACTIVE	2007	00-030(g)	na	3	2		5	Y	
LA/Pueblo	ACID-SMA-2	E055.5	ACTIVE	2004	01-002(b)-00	1	3	1		5	Y	
					45-001							
					45-004							
		E056	ACTIVE	2004	01-002(b)-00	0	2	0		2	N	No flow / insufficient flow in Q1.
					45-001							
					45-004							
LA/Pueblo	B-SMA-1	SS067	ACTIVE	2004	00-011(d)	na	0	0		0	N	
LA/Pueblo	DP-SMA-0.3	SS0375	ACTIVE	2005	21-029	na	2	1		3	N	

TABLE 1, CONT'D. 2007 SITE-SPECIFIC MONITORING STATUS

Watershed	SMA ID	Station ID	SMA Sampling Status	Monitoring Year Start	Site ID	Analytical & Visual Monitoring Samples					Four Sampling Events Completed? (Y/N)	Comment
						Q1*	Q2	Q3	Q4	Total		
LA/Pueblo	DP-SMA-0.9	SS0388	ACTIVE	2005	21-011(c) 21-016(a) 21-016(b) 21-016(c)	na	0	0		0	N	
LA/Pueblo	DP-SMA-1	SS0385	ACTIVE	2004	21-011(k)	na	0	0		0	N	
LA/Pueblo	DP-SMA-2	SS0387	ACTIVE	2005	21-024(h)	na	0	0		0	N	
LA/Pueblo	LA-SMA-1 (A)	SS0263	ACTIVE	2004	00-017	na	0	1		1	N	
LA/Pueblo	LA-SMA-1 (B)	SS0264	ACTIVE	2004	00-017	na	0	0		0	N	
LA/Pueblo	LA-SMA-1.2	SS02645	ACTIVE	2005	C-43-001	na	1	2		3	N	
LA/Pueblo	LA-SMA-1.5(S)	SS02653(S)	ACTIVE	2005	00-030(i)	na	7	2		9	Y	
LA/Pueblo	LA-SMA-2	SS0265	ACTIVE	2004	01-001(f) 01-006(b)	na	5	0		5	Y	
LA/Pueblo	LA-SMA-3	SS0266	ACTIVE	2004	01-003(a)	na	1	1		2	N	
LA/Pueblo	LA-SMA-4	SS0267	ACTIVE	2004	01-001(c) 01-006(b) 01-006(c) 01-006(d) 01-006(n)	na	4	0		4	Y	
LA/Pueblo	LA-SMA-5	SS0268	ACTIVE	2004	01-001(d) 01-003(e)	na	1	0		1	N	

TABLE 1, CONT'D. 2007 SITE-SPECIFIC MONITORING STATUS

Watershed	SMA ID	Station ID	SMA Sampling Status	Monitoring Year Start	Site ID	Analytical & Visual Monitoring Samples					Four Sampling Events Completed? (Y/N)	Comment
						Q1*	Q2	Q3	Q4	Total		
LA/Pueblo	LA-SMA-5.2	SS026805	ACTIVE	2005	01-003(d)	na	0	0		0	N	
LA/Pueblo	LA-SMA-5.3	SS02681	ACTIVE	2005	C-41-004	na	0	0		0	N	
LA/Pueblo	LA-SMA-5.4	SS02683	ACTIVE	2005	32-004	na	2	0		2	N	
LA/Pueblo	LA-SMA-5.5	E026.85	ACTIVE	2005	02-003(a)	2	5	1		8	Y	
					02-003(e)							
					02-006(b)							
					02-007							
					02-008(a)							
					02-009(a)							
					02-009(b)							
					02-009(c)							
					02-011(a)							
LA/Pueblo	LA-SMA-5.9	SS02689	ACTIVE	2006	21-013(b)	na	0	0		0	N	
					21-013(g)							
					21-027(d)							
LA/Pueblo	LA-SMA-6	SS0269	ACTIVE	2005	21-024(e)	na	0	0		0	N	
LA/Pueblo	LA-SMA-6.3	SS028	ACTIVE	2005	21-027(a)	na	0	0		0	N	
LA/Pueblo	LA-SMA-6.5	SS0287	ACTIVE	2005	21-024(i)	na	0	0		0	N	
LA/Pueblo	LA-SMA-9	SS0304	ACTIVE	2004	26-001	na	0	0		0	N	
LA/Pueblo	LA-SMA-10	SS037	ACTIVE	2004	53-002(a)	na	0	0		0	N	
					53-008							

TABLE 1, CONT'D. 2007 SITE-SPECIFIC MONITORING STATUS

Watershed	SMA ID	Station ID	SMA Sampling Status	Monitoring Year Start	Site ID	Analytical & Visual Monitoring Samples					Four Sampling Events Completed? (Y/N)	Comment
						Q1*	Q2	Q3	Q4	Total		
LA/Pueblo	P-SMA-1	SS058	ACTIVE	2004	73-001(a) 73-004(d)	na	0	0		0	N	
LA/Pueblo	P-SMA-2	SS057	ACTIVE	2005	73-002 73-006	na	0	0		0	N	
LA/Pueblo	P-SMA-2.2	SS0575	ACTIVE	2005	00-019	na	0	0		0	N	
LA/Pueblo	P-SMA-3	SS054	ACTIVE	2005	00-018(a)	na	0	0		0	N	
LA/Pueblo	R-SMA-1	SS00	ACTIVE	2005	C-00-041	na	4	2		6	Y	
Mortandad	CDB-SMA-0.1	SS2165	ACTIVE	2006	04-003(a) 04-004	na	0	0		0	N	
Mortandad	CDB-SMA-0.2	SS217	ACTIVE	2006	46-004(c2)	na	0	0		0	N	
Mortandad	CDB-SMA-0.5	SS2171	ACTIVE	2006	46-004(g) 46-004(g) 46-004(m) 46-004(m)	na	0	0		0	N	
Mortandad	CDB-SMA-1	SS2185	ACTIVE	2004	46-003(a) 46-004(d2) 46-004(s) 46-004(t) 46-008(g) 46-009(a) C-46-001	na	0	0		0	N	

TABLE 1, CONT'D. 2007 SITE-SPECIFIC MONITORING STATUS

Watershed	SMA ID	Station ID	SMA Sampling Status	Monitoring Year Start	Site ID	Analytical & Visual Monitoring Samples					Four Sampling Events Completed? (Y/N)	Comment
						Q1*	Q2	Q3	Q4	Total		
Mortandad	CDB-SMA-1.1	SS2172	ACTIVE	2007	46-004(y)	na	0	0		0	N	
					46-004(z)							
					46-006(d)							
Mortandad	CDB-SMA-1.3	SS2174	ACTIVE	2006	46-004(a2)	na	0	0		0	N	
					46-004(u)							
					46-004(v)							
					46-004(x)							
					46-006(d)							
Mortandad	CDB-SMA-1.5	SS2175	ACTIVE	2006	46-004(h)	na	0	0		0	N	
					46-004(q)							
					46-006(d)							
Mortandad	CDB-SMA-1.6	SS2183	ACTIVE	2006	46-003(b)	na	0	0		0	N	
					46-003(e)							
Mortandad	CDB-SMA-1.7	SS2189	ACTIVE	2006	46-005	na	2	1		3	N	
Mortandad	CDB-SMA-2	SS2188	ACTIVE	2004	46-002	na	0	0		0	N	
					46-009(b)							
Mortandad	CDB-SMA-4	E227	ACTIVE	2004	54-017	0	0	0		0	N	No flow / insufficient flow in Q1.
					54-018							
					54-020							
Mortandad	M-SMA-1	SS198	ACTIVE	2004	03-054(e)	na	0	2		2	N	
Mortandad	M-SMA-2	SS1984	ACTIVE	2004	48-007(f)	na	0	0		0	N	

TABLE 1, CONT'D. 2007 SITE-SPECIFIC MONITORING STATUS

Watershed	SMA ID	Station ID	SMA Sampling Status	Monitoring Year Start	Site ID	Analytical & Visual Monitoring Samples					Four Sampling Events Completed? (Y/N)	Comment
						Q1*	Q2	Q3	Q4	Total		
Mortandad	M-SMA-3	SS1985	ACTIVE	2004	48-007(c)	na	0	0		0	N	
Mortandad	M-SMA-3.1	SS192	ACTIVE	2006	48-007(b)	na	2	0		2	N	
Mortandad	M-SMA-3.5	SS193	ACTIVE	2006	48-003	na	0	1		1	N	
Mortandad	M-SMA-4	SS1987	ACTIVE	2004	48-007(a)	na	1	0		1	N	
					48-007(d)							
					48-010							
Mortandad	M-SMA-5	SS199	ACTIVE	2004	42-001(a)	na	0	0		0	N	
					42-001(b)							
					42-001(c)							
					42-002(a)							
					42-002(b)							
Mortandad	M-SMA-6	SS1991	ACTIVE	2004	35-016(h)	na	3	4		7	Y	
Mortandad	M-SMA-7	SS1992	ACTIVE	2004	35-016(g)	na	0	0		0	N	
					35-016(h)							
Mortandad	M-SMA-8	E200	ACTIVE	2004	50-006(d)	1	3	0		4	Y	
Mortandad	M-SMA-9	SS2001	ACTIVE	2004	35-016(f)	na	0	0		0	N	
Mortandad	M-SMA-10	SS2002	ACTIVE	2004	35-008	na	0	0		0	N	
					35-014(e)							
					35-016(e)							
Mortandad	M-SMA-10.3	SS20025	ACTIVE	2006	35-014(e2)	na	5	3		8	Y	
					35-016(i)							

TABLE 1, CONT'D. 2007 SITE-SPECIFIC MONITORING STATUS

Watershed	SMA ID	Station ID	SMA Sampling Status	Monitoring Year Start	Site ID	Analytical & Visual Monitoring Samples					Four Sampling Events Completed? (Y/N)	Comment
						Q1*	Q2	Q3	Q4	Total		
Mortandad	M-SMA-11	SS2003	ACTIVE	2004	35-016(o)	na	1	1		2	N	
Mortandad	M-SMA-12	SS2004	ACTIVE	2004	35-016(p)	na	0	0		0	N	
Mortandad	M-SMA-12.5	SS2055	ACTIVE	2007	05-005(b)	na	0	0		0	N	
					05-006(c)							
Mortandad	M-SMA-12.6	SS2058	ACTIVE	2007	05-004	na	0	0		0	N	
Mortandad	M-SMA-12.7	SS2023	ACTIVE	2007	05-005(a)	na	0	0		0	N	
					05-006(b)							
					05-006(e)							
Mortandad	M-SMA-12.8	SS2024	ACTIVE	2007	05-001(a)	na	0	0		0	N	
Mortandad	M-SMA-12.9	SS2032	ACTIVE	2007	05-001(b)	na	0	0		0	N	
					05-006(h)							
Mortandad	M-SMA-13	SS205	ACTIVE	2004	05-001(c)	na	0	1		1	N	

TABLE 1, CONT'D. 2007 SITE-SPECIFIC MONITORING STATUS

Watershed	SMA ID	Station ID	SMA Sampling Status	Monitoring Year Start	Site ID	Analytical & Visual Monitoring Samples					Four Sampling Events Completed? (Y/N)	Comment
						Q1*	Q2	Q3	Q4	Total		
Mortandad	Pratt-SMA-1	SS20142	ACTIVE	2004	35-003(d)	na	0	0		0	N	
					35-003(h)							
					35-003(l)							
					35-003(p)							
					35-003(q)							
					35-003(r)							
					35-004(h)							
					35-016(k)							
					35-016(l)							
					35-016(m)							
Mortandad	T-SMA-1	E201.3	ACTIVE	2004	50-006(a)	2	6	0		8	Y	
					50-009							
Mortandad	T-SMA-2.8	SS20133	ACTIVE	2006	35-016(n)	na	0	0		0	N	
Mortandad	T-SMA-3	SS20134	ACTIVE	2004	35-016(b)	na	3	0		3	N	
Mortandad	T-SMA-4	SS20136	ACTIVE	2004	35-016(c)	na	0	0		0	N	
					35-016(d)							
Mortandad	T-SMA-5	SS20138	ACTIVE	2004	35-016(a)	na	0	0		0	N	
Mortandad	T-SMA-6	SS20140	ACTIVE	2004	35-016(q)	na	0	0		0	N	
Mortandad	T-SMA-7	SS20143	ACTIVE	2006	04-001	na	0	0		0	N	
					04-002							
					04-003(b)							

TABLE 1, CONT'D. 2007 SITE-SPECIFIC MONITORING STATUS

Watershed	SMA ID	Station ID	SMA Sampling Status	Monitoring Year Start	Site ID	Analytical & Visual Monitoring Samples					Four Sampling Events Completed? (Y/N)	Comment
						Q1*	Q2	Q3	Q4	Total		
Pajarito	2M-SMA-1	SS2432	ACTIVE	2005	03-010(a)	na	2	1		3	N	
Pajarito	2M-SMA-1.4	S2433	ACTIVE	2006	03-009(d)	na	0	0		0	N	Site 03-009(d) has received formal NFA approval; monitoring discontinued as of August 2007 per approved 2007 SWMU/ SWPPP.
Pajarito	2M-SMA-1.5	SS2436	ACTIVE	2007	22-014(b)	na	0	0		0	N	
Pajarito	2M-SMA-1.6	SS2437	ACTIVE	2007	06-007(g)	na	0	0		0	N	
Pajarito	2M-SMA-1.7	SS2434	ACTIVE	2007	03-055(a)	na	6	2		8	Y	
Pajarito	2M-SMA-2	E243.5	ACTIVE	2005	03-054(b)	2	3	1		6	Y	
Pajarito	2M-SMA-3	SS2439	ACTIVE	2005	07-001(b)	na	0	0		0	N	
					07-001(c)							
					07-001(d)							
Pajarito	3M-SMA-0.5	SS2459	ACTIVE	2005	15-006(c)	na	0	0		0	N	
					15-009(c)							
Pajarito	3M-SMA-0.6	SS2457	ACTIVE	2005	15-008(b)	na	0	0		0	N	
Pajarito	3M-SMA-3	SS24599	ACTIVE	2007	36-008	na	0	0		0	N	
					C-36-003							
Pajarito	PJ-SMA-1	SS2405	ACTIVE	2005	09-013	na	0	2		2	N	
Pajarito	PJ-SMA-2	SS2422	ACTIVE	2007	09-009	na	0	2		2	N	
Pajarito	PJ-SMA-3	SS24253	ACTIVE	2007	09-004(o)	na	0	1		1	N	

TABLE 1, CONT'D. 2007 SITE-SPECIFIC MONITORING STATUS

Watershed	SMA ID	Station ID	SMA Sampling Status	Monitoring Year Start	Site ID	Analytical & Visual Monitoring Samples					Four Sampling Events Completed? (Y/N)	Comment
						Q1*	Q2	Q3	Q4	Total		
Pajarito	PJ-SMA-4	SS24253	ACTIVE	2005	09-004(g) 09-005(g)	na	0	2		2	N	
Pajarito	PJ-SMA-5	SS24210	ACTIVE	2007	22-015(c)	na	0	0		0	N	
Pajarito	PJ-SMA-6	SS24255	ACTIVE	2007	40-010	na	0	0		0	N	
Pajarito	PJ-SMA-7	SS24210	ACTIVE	2005	40-006(c)	na	0	1		1	N	
Pajarito	PJ-SMA-8	SS2426	ACTIVE	2005	40-006(b)	na	0	1		1	N	
Pajarito	PJ-SMA-9	SS24210	ACTIVE	2007	40-009	na	0	2		2	N	
Pajarito	PJ-SMA-10	SS2428	ACTIVE	2007	40-006(a)	na	0	0		0	N	
Pajarito	PJ-SMA-11(E)	SS24285E	ACTIVE	2007	40-003(b)	na	0	0		0	N	
Pajarito	PJ-SMA-11(W)	SS24285W	ACTIVE	2007	40-003(a)	na	0	0		0	N	
Pajarito	PJ-SMA-14	SS2465	ACTIVE	2007	54-004	na	0	0		0	N	
Pajarito	PJ-SMA-15	E248	ACTIVE	2004	54-014(d)	0	0	0		0	N	
		E248.5			54-017	0	0	1		1	N	No flow / insufficient flow in Q1.
		E249			54-018	0	0	0		0	N	No flow / insufficient flow in Q1.
		249.5			54-020	1	5	1		7	Y	

TABLE 1, CONT'D. 2007 SITE-SPECIFIC MONITORING STATUS

Watershed	SMA ID	Station ID	SMA Sampling Status	Monitoring Year Start	Site ID	Analytical & Visual Monitoring Samples					Four Sampling Events Completed? (Y/N)	Comment
						Q1*	Q2	Q3	Q4	Total		
Pajarito	PJ-SMA-E250	E250	ACTIVE	2005	18-003(c)	1	0	0		1	N	
					18-010(d)							
					18-010(f)							
					18-012(a)							
					18-012(b)							
Pajarito	STRM-SMA-1	SS2412	ACTIVE	2007	08-009(f)	na	0	3		3	N	
Pajarito	STRM-SMA-1.5	SS2411	ACTIVE	2007	08-009(d)	na	1	2		3	N	
Pajarito	STRM-SMA-2	SS2416	ACTIVE	2007	08-005	na	0	2		2	N	
Pajarito	STRM-SMA-3	SS2414	ACTIVE	2007	08-006(a)	na	0	0		0	N	
Pajarito	STRM-SMA-4	SS2418	ACTIVE	2007	09-005(a)	na	0	0		0	N	
Pajarito	STRM-SMA-5	SS2419	ACTIVE	2007	09-013	na	2	4		6	Y	
Sandia	S-SMA-0.2	SS1219	ACTIVE	2006	03-013(a)	na	3	0		3	N	
					03-013(b)							
					03-052(f)							
Sandia	S-SMA-1	E122	ACTIVE	2004	03-003(m)	1	5	1		7	Y	
					03-009(a)							
					03-029							
		E122.2	ACTIVE	2004	03-003(m)	1	4	1		6	Y	
					03-009(a)							
					03-029							

TABLE 1, CONT'D. 2007 SITE-SPECIFIC MONITORING STATUS

Watershed	SMA ID	Station ID	SMA Sampling Status	Monitoring Year Start	Site ID	Analytical & Visual Monitoring Samples					Four Sampling Events Completed? (Y/N)	Comment
						Q1*	Q2	Q3	Q4	Total		
Sandia	S-SMA-2	E121	ACTIVE	2004	03-012(b) 03-045(b) 03-045(c) 03-056(c)	0	2	2		4	Y	
Sandia	S-SMA-3.5	SS12293	ACTIVE	2005	03-014(b2) 03-014(c2)	na	5	0		5	Y	
Sandia	S-SMA-3.6	SS12255	ACTIVE	2006	60-007(b)	na	6	2		8	Y	
Sandia	S-SMA-3.9	SS1235	ACTIVE	2005	20-002(a)	na	0	0		0	N	
Sandia	S-SMA-4	SS1238	ACTIVE	2004	53-014	na	4	0		4	Y	
Sandia	S-SMA-5	SS1245	ACTIVE	2004	20-002(c)	na	0	0		0	N	
Sandia	S-SMA-5.1	SS1247	ACTIVE	2006	20-003(c)	na	0	0		0	N	
Sandia	S-SMA-6	SS1248	ACTIVE	2004	72-001	na	2	1		3	N	
Water/Valle	CDV-SMA-0.5	SS2565	ACTIVE	2006	16-029(s) 16-029(t)	na	0	0		0	N	
Water/Valle	CDV-SMA-1	SS254	ACTIVE	2005	16-001(a) 16-001(b) 16-001(c)	na	0	0		0	N	
Water/Valle	CDV-SMA-1.4	SS2542	ACTIVE	2005	16-016(d) 16-020	na	0	2		2	N	
Water/Valle	CDV-SMA-1.5	SS2545	ACTIVE	2005	16-026(j)	na	0	2		2	N	
Water/Valle	CDV-SMA-1.7	SS2547	ACTIVE	2005	16-019	na	0	0		0	N	

TABLE 1, CONT'D. 2007 SITE-SPECIFIC MONITORING STATUS

Watershed	SMA ID	Station ID	SMA Sampling Status	Monitoring Year Start	Site ID	Analytical & Visual Monitoring Samples					Four Sampling Events Completed? (Y/N)	Comment
						Q1*	Q2	Q3	Q4	Total		
Water/Valle	CDV-SMA-2	SS255	ACTIVE	2005	16-021(c)	na	0	0		0	N	
Water/Valle	CDV-SMA-2.4	SS2557	ACTIVE	2005	16-010(b)	na	0	1		1	N	
					16-016(c)							
					16-018							
Water/Valle	CDV-SMA-2.5	E257	ACTIVE	2007	16-010(c)	1	1	1		3	N	
					16-010(d)							
					16-028(a)							
Water/Valle	CDV-SMA-3	SS25605	ACTIVE	2007	14-009	na	0	0		0	N	
Water/Valle	CDV-SMA-4	SS25610	ACTIVE	2007	14-002(a)	na	0	0		0	N	
					14-010							
Water/Valle	CDV-SMA-5	E256.5	ACTIVE	2007	14-005	0	0	0		0	N	
Water/Valle	CDV-SMA-6	SS25620	ACTIVE	2005	14-001(g)	na	0	0		0	N	
					14-002(d)							
					14-002(e)							
					14-006							
Water/Valle	CDV-SMA-7	SS252625	ACTIVE	2007	15-008(d)	na	0	0		0	N	
Water/Valle	CDV-SMA-8	SS25630	ACTIVE	2007	15-011(b)	na	0	0		0	N	
					15-011(c)							
					15-014(g)							
					15-014(j)							
					C-15-007							
Water/Valle	CDV-SMA-9	SS258	ACTIVE	2007	15-007(b)	na	0	0		0	N	

TABLE 1, CONT'D. 2007 SITE-SPECIFIC MONITORING STATUS

Watershed	SMA ID	Station ID	SMA Sampling Status	Monitoring Year Start	Site ID	Analytical & Visual Monitoring Samples					Four Sampling Events Completed? (Y/N)	Comment
						Q1*	Q2	Q3	Q4	Total		
Water/Valle	F-SMA-1	SS2659	ACTIVE	2005	36-004(b)	na	0	0		0	N	
Water/Valle	F-SMA-2	SS26757	ACTIVE	2005	36-004(c) 36-005	na	0	0		0	N	
Water/Valle	PT-SMA-0.5	SS26565	ACTIVE	2007	15-009(e) C-15-004	na	0	0		0	N	
Water/Valle	PT-SMA-1	SS2657	ACTIVE	2007	15-008(a)	na	0	0		0	N	
Water/Valle	PT-SMA-2	SS2658	ACTIVE	2007	15-008(f) 36-003(b) 36-004(e) C-36-001	na	0	0		0	N	
Water/Valle	PT-SMA-3	E266	ACTIVE	2005	36-004(a) 36-006	0	0	0		0	N	
Water/Valle	PT-SMA-4	SS2665	ACTIVE	2007	36-001	na	0	0		0	N	
Water/Valle	W-SMA-1	SS25203	ACTIVE	2005	16-026(c2) 16-026(v)	na	1	1		2	N	
Water/Valle	W-SMA-2	SS25205	ACTIVE	2005	16-028(e)	na	0	1		1	N	
Water/Valle	W-SMA-3	SS2527	ACTIVE	2007	16-006(g)	na	0	0		0	N	Site 16-006(g) certified for no exposure in 2006; monitoring discontinued August 2007 per approved 2007 SWMU/SWPPP.
Water/Valle	W-SMA-4	E252.5	ACTIVE	2005	16-003(a)	0	0	0		0	N	

TABLE 1, CONT'D. 2007 SITE-SPECIFIC MONITORING STATUS

Watershed	SMA ID	Station ID	SMA Sampling Status	Monitoring Year Start	Site ID	Analytical & Visual Monitoring Samples					Four Sampling Events Completed? (Y/N)	Comment
						Q1*	Q2	Q3	Q4	Total		
Water/Valle	W-SMA-5	SS2528	ACTIVE	2005	16-003(f)	na	1	2		3	N	
					16-026(z)							
Water/Valle	W-SMA-6	SS2522	ACTIVE	2007	11-001(c)	na	0	0		0	N	
Water/Valle	W-SMA-7	SS25243	ACTIVE	2005	16-026(h2)	na	0	0		0	N	
Water/Valle	W-SMA-8	SS2523	ACTIVE	2005	16-006(c)	na	0	0		0	N	
					16-016(g)							
					16-026(a)							
					16-028(b)							
Water/Valle	W-SMA-9	SS2524	ACTIVE	2005	16-030(g)	na	0	0		0	N	
Water/Valle	W-SMA-10	SS25245	ACTIVE	2005	11-003(b)	na	0	0		0	N	
					11-004(a)							
					11-004(b)							
					11-004(c)							
					11-004(d)							
					11-004(e)							
					11-004(f)							
					11-005(c)							
					11-006(b)							
					11-006(c)							
					11-006(d)							

TABLE 1, CONT'D. 2007 SITE-SPECIFIC MONITORING STATUS

Watershed	SMA ID	Station ID	SMA Sampling Status	Monitoring Year Start	Site ID	Analytical & Visual Monitoring Samples					Four Sampling Events Completed? (Y/N)	Comment
						Q1*	Q2	Q3	Q4	Total		
Water/Valle	W-SMA-11	SS2529	ACTIVE	2005	11-004(a)	na	0	0		0	N	
					11-004(b)							
					11-004(c)							
					11-004(d)							
					11-004(e)							
					11-004(f)							
Water/Valle	W-SMA-12	SS26237	ACTIVE	2006	49-001(g)	na	0	0		0	N	
Water/Valle	W-SMA-13	SS26234	ACTIVE	2006	49-001(a)	na	1	1		2	N	
Water/Valle	W-SMA-14	SS26231	ACTIVE	2007	15-010(c)	na	1	0		1	N	
Water/Valle	W-SMA-15	SS2624	ACTIVE	2006	49-005(a)	na	0	0		0	N	

* During Q1 Site-specific samplers were disassembled to protect equipment from damage and breakage during the winter months.

TABLE 2. 2007 WATERSHED-SCALE MONITORING STATUS

Station ID	Station Name	Analytical & Visual Monitoring Samples					Four Sampling Events Completed? (Y/N)	Comment
		Q1*	Q2	Q3	Q4	Total		
E026	Los Alamos below Ice Rink	1	1			2	N	
E026.85	Los Alamos below Omega West	2	5	1		8	Y	
E030	Los Alamos above DP Canyon	1	6			7	Y	
E038	DP above TA-21	0	4	1		5	Y	
E039	DP below Meadow at TA-21	1	4			5	Y	
E040	DP above Los Alamos Canyon	0	2			2	N	No flow / insufficient flow in Q1.
E042	Los Alamos above SR-4	2	5	1		8	Y	
E050	Los Alamos below LA Weir	1	2			3	N	
E055	Pueblo above Acid	0	0			0	N	No flow / insufficient flow in Q1, Q2.
E055.5	South Fork of Acid Canyon	1	3	1		5	Y	
E056	Acid above Pueblo	0	2			2	N	No flow / insufficient flow in Q1.
E060	Pueblo above SR-502	0	0			0	N	No flow / insufficient flow in Q1.
E099	Guaje at SR 502	1	0			1	N	No flow / insufficient flow in Q2.
E110	Los Alamos Canyon near Otowi Bridge	1	0			1	N	No flow / insufficient flow in Q2.
E121	Sandia right fork at Power Plant	0	2	2		4	Y	
E122	Sandia left fork at Asphalt Plant	1	5	1		7	Y	
E123	Sandia below Wetlands	2	4			6	Y	
E124	Sandia above Firing Range	0	4	2		6	Y	No flow / insufficient flow in Q1.
E125	Sandia above SR-4	0	0			0	N	No flow / insufficient flow in Q1, Q2.
E200	Mortandad below Effluent Canyon	1	3			4	Y	
E201	Mortandad above Ten Site	0	0			0	N	No flow / insufficient flow in Q1, Q2.
E201.3	Ten Site below MDA C	2	6			8	Y	

TABLE 2, CONT'D. 2007 WATERSHED-SCALE MONITORING STATUS

Station ID	Station Name	Analytical & Visual Monitoring Samples					Four Sampling Events Completed? (Y/N)	Comment
		Q1*	Q2	Q3	Q4	Total		
E201.5	Ten Site above Mortandad	0	0			0	N	No flow / insufficient flow in Q1, Q2.
E202	Mortandad above Sediment Traps	0	0			0	N	No flow / insufficient flow in Q1, Q2.
E203	Mortandad below Sediment Traps	0	0			0	N	No flow / insufficient flow in Q1, Q2.
E204	Mortandad at LANL Boundary	0	0			0	N	No flow / insufficient flow in Q1, Q2.
E218	Canada del Buey near TA-46	0	0			0	N	No flow / insufficient flow in Q1, Q2.
E225	Canada del Buey near MDA G	0	0			0	N	No flow / insufficient flow in Q1, Q2.
E227	MDA G-13	0	0	1		1	N	No flow / insufficient flow in Q1, Q2.
E230	Canada del Buey above SR-4	0	0			0	N	No flow / insufficient flow in Q1, Q2.
E240	Pajarito below SR-501	2	0	2		4	Y	No flow / insufficient flow in Q2.
E241	Pajarito above Starmers	2	0	3		5	Y	No flow / insufficient flow in Q2.
E242	Starmers above Pajarito	1	0	1		2	N	No flow / insufficient flow in Q2.
E242.5	La Delfe above Pajarito	0	0	2		2	N	No flow / insufficient flow in Q1, Q2.
E243	Pajarito above Twomile	1	0	1		2	N	No flow / insufficient flow in Q1, Q2.
E243.5	Twomile tributary at TA-3	2	3	1		6	Y	
E244	Twomile above Pajarito	1	1	3		5	Y	
E245	Pajarito above TA-18	2	0	2		4	Y	
E245.5	Pajarito above Threemile	1	0	2		3	N	
E246	Threemile above Pajarito	0	2	1		3	N	No flow / insufficient flow in Q1.
E247	MDA G-1	0	0			0	N	No flow / insufficient flow in Q1.
E248.5	MDA G-6U	0	0	1		1	N	No flow / insufficient flow in Q1, Q2.
E249	MDA G-4	0	0			0	N	No flow / insufficient flow in Q1, Q2.
E250	Pajarito above SR-4	1	0			1	N	No flow / insufficient flow in Q1, Q2.

TABLE 2, CONT'D. 2007 WATERSHED-SCALE MONITORING STATUS

Station ID	Station Name	Analytical & Visual Monitoring Samples					Four Sampling Events Completed? (Y/N)	Comment
		Q1*	Q2	Q3	Q4	Total		
E252	Water above SR-501	1	0			1	N	
E252.5	Water above S Site Canyon	0	0			0	N	
E252.8	S Site Canyon above Water	1	0			1	N	
E253	Canon de Valle above SR-501	0	0			0	N	No flow / insufficient flow in Q1, Q2.
E256	Canon de Valle below MDA P	0	0	1		1	N	No flow / insufficient flow in Q1, Q2.
E257	Canon de Valle tributary at Burn Grounds	1	1	1		3	N	
E262	Canon de Valle above Water	0	0			0	N	No flow / insufficient flow in Q1.
E262.5	Water below MDA AB	1	0			1	N	No flow / insufficient flow in Q2.
E263	Water at SR-4	1	0			1	N	No flow / insufficient flow in Q2.
E264	Indio at SR-4	0	0			0	N	No flow / insufficient flow in Q1, Q2.
E265	Water below SR-4	0	0			0	N	No flow / insufficient flow in Q1.
E266	Potrillo at Lower Slobbovia	0	0			0	N	No flow / insufficient flow in Q2.
E267	Potrillo above SR-4	0	0			0	N	No flow / insufficient flow in Q2.
E274	Ancho north fork below SR-4	0	0			0	N	No flow / insufficient flow in Q1, Q2.
E275	Ancho below SR-4	0	0			0	N	No flow / insufficient flow in Q1, Q2.
E338	Chaquehui at TA-33	0	0			0	N	
E340	Chaquehui tributary at TA-33	0	0			0	N	No flow / insufficient flow in Q2.

* During Q1 some samplers were disassembled to protect equipment from damage and breakage during the winter months.