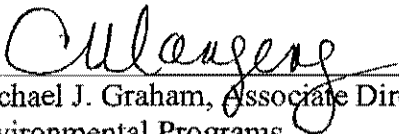


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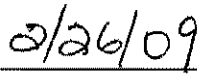
QUARTERLY STATUS REPORT
OCTOBER 1 – DECEMBER 31, 2008
INDIVIDUAL PERMIT APPLICATION NUMBER NM0030759

CERTIFICATION STATEMENT OF AUTHORIZATION


"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated 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 there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."




Michael J. Graham, Associate Director
Environmental Programs
Los Alamos National Laboratory



Date



Gene Turner
Environmental Permitting Manager
Department of Energy
Los Alamos Site Office



Date

A. DEADLINES AND MILESTONES

October 29, 2008	wSAL Exceedance Report submittal, EPA and NMED, LA-UR-08-6730
November 28, 2008	wSAL Exceedance Report submittal, EPA and NMED, LA-UR-08-7151
November 29, 2008	Q3 Quarterly Status Report submittal, EPA and NMED, LA-UR-08-7150
December 28, 2008	wSAL Exceedance Report submittal, EPA and NMED, LA-UR-08-7747

B. PROGRESS MADE IN MEETING OTHER DEADLINES & MILESTONES

Details of the Site-specific monitoring status for the fourth quarter (Q4) of 2008 are provided in Table 1, *2008 SMA Monitoring Status*. Monitoring was continued at 202 stations during Q4 evaluating runoff from 195 Site Monitoring Areas (SMAs) in accordance with the detailed sampling plans presented in Attachment 1, Part B, of the *2008 Storm Water Pollution Prevention Plan for SWMUs and AOCs, LA-UR-08-2587 (2008 SWMU/SWPPP)*. The facility continues undergoing field preparations to transition to the new NPDES Individual Permit (IP) (Permit No. NM0030759).

Watershed-scale storm water runoff monitoring is ongoing at 61 stations per the requirements of the FFCA and SWMU/SWPPP. The watershed-scale monitoring status for Q4 of 2008 is detailed in Table 2, *2008 Watershed-Scale Monitoring Status*.

OVERALL PROGRESS

- ★ MONITORING WAS ONGOING AT 195 SITE MONITORING AREAS (SMAs) DURING Q4 2008.
- ★ 74 VISUAL MONITORING SAMPLES WERE COLLECTED DURING Q4 2008.
- ★ 6 ANALYTICAL SAMPLES WERE COLLECTED FROM MONITORING STATIONS IN Q4
- ★ ~155 SITE INSPECTIONS CONDUCTED FOLLOWING WSAL EXCEEDANCES AT 72 SMAs
- ★ ~697 SITE INSPECTIONS WERE CONDUCTED AT SITES FOLLOWING > 0.5" PRECIPITATION EVENTS DURING Q4 2008.
- ★ ~ 498 STATION INSPECTIONS WERE CONDUCTED AT 247 MONITORING STATIONS DURING Q4 2008.

C. CORRECTIVE ACTIONS TAKEN TO ADDRESS WSAL EXCEEDANCES

The FFCA at paragraph ¶ 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 storm water monitoring conducted at the SMAs. Where results are above water screening action levels (wSAL), National Nuclear Security Agency/Los Alamos National Security, LLC (NNSA/LANS) is required to conduct an investigation to determine the source within 30 days of receipt of the data (this report reflects data received from October 1 through December 31, 2008) and evaluate BMPs in accordance with the requirements imposed by 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.

C1. WSAL EXCEEDANCE SMA INSPECTIONS

NNSA/LANS performs visual site inspections at each SMA where wSAL exceedances are reported. The wSAL exceedance inspections typically include the following items.

- Comparing existing data to appropriate wSAL;
- Inspecting the condition of existing structural BMPs to determine whether maintenance is required;
- Inspecting for visual evidence of: storm water runoff; excessive erosion; non-storm water discharges;

- Appraisal of whether existing BMPs are adequate for sediment control and erosion control at the Site, and recommendations for additional BMP installations; and
- Installing new controls where evidence of flow or sediment migration is occurring.

C2. WSAL EXCEEDANCES OBSERVED AT SMAS

For the Q4 (October through December) monitoring period, there were 72 SMAs where wSAL exceedances were observed based on analytical data received during Q4 for previously sampled events (typically Q3 events). Inspections were conducted at approximately 155 Sites associated with the 72 SMAs in response to the wSAL exceedances. A list of the 72 SMAs and related sites are provided in Table 3, *2008 Q4 wSAL Exceedances* and actions taken are further discussed in Section D2.

D. DESCRIPTION OF MATTERS RELEVANT TO STATUS OF COMPLIANCE

D1. VISUAL MONITORING AND SAMPLING ACTIVITIES

Visual monitoring of the collected storm water monitoring samples is conducted pursuant to the MSGP/FFCA under EPA's approved 2007 SMWU/SWPPP at FFCA gage stations and SMA monitoring stations. The Facility is required to obtain four (4) monitoring samples on an annual basis (i.e., on or before December 31, 2008) and to visually examine these samples at the time of collection. Quarterly monitoring is not required under the MSGP because NNSA/LANS 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. '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). In addition, the majority of the SMAs are located in areas that are unstaffed, inactive, and cannot be feasibly reached within minutes of a qualifying storm event. Further, due to the geographical challenges associated with this program, these visual observations are not always conducted within one hour of the sampled event.

During Q4, 65 visual monitoring samples were collected from 58 SMA monitoring stations (Table 1, *2008 SMA Monitoring Status, Q4*) and 16 visual monitoring samples were collected from 13 watershed-scale gage stations (Table 2, *2008 Watershed-Scale Monitoring Status, Q4*). (Note: 7 visual monitoring samples were collected from 16 stations serving as both watershed-scale and Site-specific monitoring. In total, 74 visual monitoring samples were collected from both monitoring networks.)

D2. BMP INSPECTION AND MAINTENANCE

BMP inspection and maintenance is performed at individual Sites per the requirements of the FFCA and MSGP. During Q4, the facility experienced 2 days of > 0.5" precipitation events on October 4 and October 11. The precipitation event on October 4th was isolated, affecting a small region of the facility. Precipitation on October 11 was recorded at nearly every rain gage in the facility-wide network. BMP inspections were also conducted following one >0.5" precipitation event in November that affected approximately half of the facility and was a mixture of snow and rain. A summary of the precipitation frequency recorded for the quarter is provided in Table 4, *Precipitation Monitoring, Q4 2008*. Approximately 697 Site BMP inspections were conducted in response to the > 0.5" rain events.

During the Q4 Site inspections, maintenance to existing site controls were identified during inspections and conducted at 33-007(a). All noted maintenance issues were completed during the quarter. In response to wSAL exceedances, site controls were re-evaluated at all related sites and

fortified at two additional Sites associated with the exceedances. Note: prior quarterly reports may have stated that BMP inspections were conducted at SMAs. However, all NNSA/LANS BMP inspections are conducted for each individual Site (i.e., SWMU or AOC) located within an SMA.

D3. NPDES INDIVIDUAL PERMIT APPLICATION ACTIVITIES

EPA issued NPDES Individual Permit No. NM0030759 on February 13, 2009. The effective date for the Individual Permit is April 1, 2009.

TABLE 1 – 2008 SMA MONITORING STATUS, Q4

WATERSHED	SMA	STATION	MONITORING YEAR BEGIN	Q4	
				VISUAL OBSERVATION	ANALYTICAL SAMPLES
Ancho Canyon	A-SMA-1	SS2731	2005	0	0
Ancho Canyon	A-SMA-2	SS2732	2005	1	0
Ancho Canyon	A-SMA-3	E273.7	2005	0	0
Ancho Canyon	A-SMA-4	SS276	2006	0	0
Ancho Canyon	A-SMA-5	SS320	2006	0	0
Ancho Canyon	A-SMA-6	SS310	2006	1	0
Bayo Canyon	B-SMA-0.5	E070	2008	0	0
Bayo Canyon	B-SMA-1	SS080301	2004	0	0
Bayo Canyon	B-SMA-1	SS067	2004	0	0
Canada del Buey	CDB-SMA-0.1	SS2165	2006	0	0
Canada del Buey	CDB-SMA-0.2	SS217	2006	0	0
Canada del Buey	CDB-SMA-0.5	SS2171	2006	1	0
Canada del Buey	CDB-SMA-1	SS2185	2004	1	0
Canada del Buey	CDB-SMA-1.1	SS2172	2007	0	0
Canada del Buey	CDB-SMA-1.3	SS2174	2006	0	0
Canada del Buey	CDB-SMA-1.5	SS2175	2006	0	0
Canada del Buey	CDB-SMA-1.6	SS2183	2006	0	0
Canada del Buey	CDB-SMA-1.7	SS2189	2006	1	0
Canada del Buey	CDB-SMA-2	SS2188	2004	1	0
Canada del Buey	CDB-SMA-4	E227	2004	0	0
Canon de Valle	CDV-SMA-0.5	SS2565	2006	0	0
Canon de Valle	CDV-SMA-1	SS254	2005	0	0
Canon de Valle	CDV-SMA-1.4	SS2542	2005	0	0
Canon de Valle	CDV-SMA-1.5	SS2545	2005	0	0
Canon de Valle	CDV-SMA-1.7	SS2547	2005	0	0
Canon de Valle	CDV-SMA-2	SS255	2005	1	0
Canon de Valle	CDV-SMA-2.3	SS080404	2008	0	0
Canon de Valle	CDV-SMA-2.4	SS2557	2005	1	0
Canon de Valle	CDV-SMA-2.5	E257	2007	1	1
Canon de Valle	CDV-SMA-3	SS25605	2007	0	0
Canon de Valle	CDV-SMA-4	SS25610	2007	0	0
Canon de Valle	CDV-SMA-5	E256.5	2007	0	0
Canon de Valle	CDV-SMA-6	SS25620	2005	0	0
Canon de Valle	CDV-SMA-7	SS252625	2007	0	0
Canon de Valle	CDV-SMA-8	SS25630	2007	0	0
Canon de Valle	CDV-SMA-9	SS258	2007	1	0

TABLE 1 – 2008 SMA MONITORING STATUS, Q4

WATERSHED	SMA	STATION	MONITORING YEAR BEGIN	Q4	
				VISUAL OBSERVATION	ANALYTICAL SAMPLES
Chaquehui Canyon	CHQ-SMA-1	SS3397	2006	1	0
Chaquehui Canyon	CHQ-SMA-2	SS3374	2006	1	0
Chaquehui Canyon	CHQ-SMA-3	SS33971	2006	1	0
Chaquehui Canyon	CHQ-SMA-4	SS3375	2006	1	0
Chaquehui Canyon	CHQ-SMA-4.5	SS341	2006	0	0
Chaquehui Canyon	CHQ-SMA-5	SS3376	2006	1	0
Chaquehui Canyon	CHQ-SMA-6	SS3377	2006	1	0
Chaquehui Canyon	CHQ-SMA-7	SS342	2006	1	0
Fence Canyon	F-SMA-1	SS2659	2005	0	0
Fence Canyon	F-SMA-2	E267.4	2005	0	0
Los Alamos Canyon	DP-SMA-0.3	SS0375	2005	0	0
Los Alamos Canyon	DP-SMA-0.4	SS081901	2008	0	0
Los Alamos Canyon	DP-SMA-0.6	SS081902	2008	0	0
Los Alamos Canyon	DP-SMA-0.9	SS0388	2005	1	0
Los Alamos Canyon	DP-SMA-1	SS0385	2004	0	0
Los Alamos Canyon	DP-SMA-2	SS0387	2005	1	0
Los Alamos Canyon	DP-SMA-2.3	SS081903	2008	0	0
Los Alamos Canyon	DP-SMA-3	SS081904	2008	0	0
Los Alamos Canyon	DP-SMA-4	SS081905	2008	0	0
Los Alamos Canyon	LA-SMA-0.8	SS081001	2008	0	0
Los Alamos Canyon	LA-SMA-0.9	SS081002	2008	0	0
Los Alamos Canyon	LA-SMA-1	SS081003	2008	0	0
Los Alamos Canyon	LA-SMA-1 (A)	SS0263	2004	0	0
Los Alamos Canyon	LA-SMA-1 (B)	SS0264	2004	0	0
Los Alamos Canyon	LA-SMA-1.1	SS081004	2008	0	0
Los Alamos Canyon	LA-SMA-1.2	SS02645	2005	0	0
Los Alamos Canyon	LA-SMA-1.5	SS02653	2005	0	0
Los Alamos Canyon	LA-SMA-2	SS0265	2004	0	0
Los Alamos Canyon	LA-SMA-2.1	SS081005	2008	0	0
Los Alamos Canyon	LA-SMA-2.15	SS081032	2008	0	0
Los Alamos Canyon	LA-SMA-2.3	SS081024	2008	0	0
Los Alamos Canyon	LA-SMA-3	SS0266	2004	0	0
Los Alamos Canyon	LA-SMA-3.9	SS081026	2008	0	0
Los Alamos Canyon	LA-SMA-4	SS0267	2004	0	0
Los Alamos Canyon	LA-SMA-5	SS0268	2004	0	0
Los Alamos Canyon	LA-SMA-5.2	SS026805	2005	0	0
Los Alamos Canyon	LA-SMA-5.3	SS02681	2005	0	0

TABLE 1 – 2008 SMA MONITORING STATUS, Q4

WATERSHED	SMA	STATION	MONITORING YEAR BEGIN	Q4	
				VISUAL OBSERVATION	ANALYTICAL SAMPLES
Los Alamos Canyon	LA-SMA-5.31	SS081012	2008	0	0
Los Alamos Canyon	LA-SMA-5.33	SS081013	2008	0	0
Los Alamos Canyon	LA-SMA-5.36	SS081014	2008	0	0
Los Alamos Canyon	LA-SMA-5.4	SS02683	2005	0	0
Los Alamos Canyon	LA-SMA-5.5	E026.85	2005	0	0
Los Alamos Canyon	LA-SMA-5.9	SS02689	2006	0	0
Los Alamos Canyon	LA-SMA-6	SS0269	2004	0	0
Los Alamos Canyon	LA-SMA-6.25	SS081015	2008	0	0
Los Alamos Canyon	LA-SMA-6.27	SS081016	2008	0	0
Los Alamos Canyon	LA-SMA-6.3	SS028	2005	0	0
Los Alamos Canyon	LA-SMA-6.31	SS081033	2008	0	0
Los Alamos Canyon	LA-SMA-6.32	SS081017	2008	0	0
Los Alamos Canyon	LA-SMA-6.34	SS081018	2008	0	0
Los Alamos Canyon	LA-SMA-6.36	SS081019	2008	0	0
Los Alamos Canyon	LA-SMA-6.38	SS081020	2008	0	0
Los Alamos Canyon	LA-SMA-6.39	SS081021	2008	0	0
Los Alamos Canyon	LA-SMA-6.5	SS0287	2005	0	0
Los Alamos Canyon	LA-SMA-9	SS0304	2004	0	0
Los Alamos Canyon	LA-SMA-10	SS037	2004	0	0
Los Alamos Canyon	LA-SMA-10.1	SS081030	2008	0	0
Mortandad Canyon	M-SMA-1	SS198	2004	0	0
Mortandad Canyon	M-SMA-2	SS1984	2004	1	0
Mortandad Canyon	M-SMA-3	SS1985	2004	0	0
Mortandad Canyon	M-SMA-3.1	SS192	2006	1	0
Mortandad Canyon	M-SMA-3.5	SS193	2006	1	0
Mortandad Canyon	M-SMA-4	SS1987	2004	1	0
Mortandad Canyon	M-SMA-5	SS199	2004	1	0
Mortandad Canyon	M-SMA-6	SS1991	2004	1	0
Mortandad Canyon	M-SMA-7	SS1992	2004	0	0
Mortandad Canyon	M-SMA-8	E200	2004	1	0
Mortandad Canyon	M-SMA-9	SS2001	2004	1	0
Mortandad Canyon	M-SMA-10	SS2002	2004	1	0
Mortandad Canyon	M-SMA-10.3	SS20025	2006	2	1
Mortandad Canyon	M-SMA-11	SS2003	2004	0	0
Mortandad Canyon	M-SMA-12	SS2004	2004	1	0
Mortandad Canyon	M-SMA-12.5	SS2055	2007	0	0
Mortandad Canyon	M-SMA-12.6	SS2058	2007	1	0

TABLE 1 – 2008 SMA MONITORING STATUS, Q4

WATERSHED	SMA	STATION	MONITORING YEAR BEGIN	Q4	
				VISUAL OBSERVATION	ANALYTICAL SAMPLES
Mortandad Canyon	M-SMA-12.7	SS2023	2007	0	0
Mortandad Canyon	M-SMA-12.8	SS2024	2007	1	0
Mortandad Canyon	M-SMA-12.9	SS2032	2007	1	0
Mortandad Canyon	M-SMA-13	SS205	2004	1	0
Pajarito Canyon	2M-SMA-1	SS2432	2005	0	0
Pajarito Canyon	2M-SMA-1.5	SS2436	2007	0	0
Pajarito Canyon	2M-SMA-1.6	SS2437	2007	0	0
Pajarito Canyon	2M-SMA-1.7	SS2438	2007	0	0
Pajarito Canyon	2M-SMA-2	E243.5	2005	0	0
Pajarito Canyon	2M-SMA-3	SS2439	2005	0	0
Pajarito Canyon	3M-SMA-0.5	SS2459	2005	0	0
Pajarito Canyon	3M-SMA-0.6	SS2457	2005	2	1
Pajarito Canyon	3M-SMA-3	E246	2007	0	0
Pajarito Canyon	STRM-SMA-1	SS2412	2007	1	0
Pajarito Canyon	STRM-SMA-1.5	SS2411	2007	0	0
Pajarito Canyon	STRM-SMA-2	SS2416	2007	0	0
Pajarito Canyon	STRM-SMA-3	SS2414	2007	0	0
Pajarito Canyon	STRM-SMA-4	SS2418	2007	0	0
Pajarito Canyon	STRM-SMA-5	SS2419	2007	0	0
Pajarito Canyon	PJ-SMA-1	SS2405	2005	0	0
Pajarito Canyon	PJ-SMA-2	SS2422	2007	0	0
Pajarito Canyon	PJ-SMA-3	SS2425	2007	0	0
Pajarito Canyon	PJ-SMA-4	SS24253	2005	1	0
Pajarito Canyon	PJ-SMA-5	SS24254	2007	1	0
Pajarito Canyon	PJ-SMA-6	SS24255	2007	0	0
Pajarito Canyon	PJ-SMA-7	SS24210	2005	0	0
Pajarito Canyon	PJ-SMA-8	SS2426	2005	0	0
Pajarito Canyon	PJ-SMA-9	SS2427	2007	0	0
Pajarito Canyon	PJ-SMA-10	SS2428	2007	0	0
Pajarito Canyon	PJ-SMA-11 (E)	SS2428SE	2007	0	0
Pajarito Canyon	PJ-SMA-11 (W)	SS2428SW	2007	0	0
Pajarito Canyon	PJ-SMA-14	SS2465	2007	0	0
Pajarito Canyon	PJ-SMA-15	E249	2004	0	0
Pajarito Canyon	PJ-SMA-15	E248	2004	0	0
Pajarito Canyon	PJ-SMA-15	E248.5	2004	1	0
Pajarito Canyon	PJ-SMA-15	E249.5	2004	2	0
Pajarito Canyon	PJ-SMA-E250	E250	2005	0	0

TABLE 1 – 2008 SMA MONITORING STATUS, Q4

WATERSHED	SMA	STATION	MONITORING YEAR BEGIN	Q4	
				VISUAL OBSERVATION	ANALYTICAL SAMPLES
Potrillo Canyon	PT-SMA-0.5	SS26565	2007	0	0
Potrillo Canyon	PT-SMA-1	SS2657	2007	1	0
Potrillo Canyon	PT-SMA-2	SS2658	2007	0	0
Potrillo Canyon	PT-SMA-3	E266	2005	0	0
Potrillo Canyon	PT-SMA-4	SS2665	2007	0	0
Pueblo Canyon	ACID-SMA-1	SS0553	2007	2	1
Pueblo Canyon	ACID-SMA-1	SS080101	2007	0	0
Pueblo Canyon	ACID-SMA-2	E056	2004	0	0
Pueblo Canyon	ACID-SMA-2.1	E055.5	2008	1	0
Pueblo Canyon	P-SMA-0.3	SS080801	2008	0	0
Pueblo Canyon	P-SMA-1	SS058	2004	0	0
Pueblo Canyon	P-SMA-1	SS080802	2004	0	0
Pueblo Canyon	P-SMA-2	SS057	2005	0	0
Pueblo Canyon	P-SMA-2.1S	SS080803	2008	0	0
Pueblo Canyon	P-SMA-2.2	SS0575	2005	0	0
Pueblo Canyon	P-SMA-3	SS054	2005	0	0
Rendija Canyon	R-SMA-0.5	SS082701	2008	0	0
Rendija Canyon	R-SMA-1	SS00	2005	3	1
Rendija Canyon	R-SMA-1.9	SS082702	2008	0	0
Rendija Canyon	R-SMA-2	SS082703	2008	0	0
Rendija Canyon	R-SMA-2.3	SS082704	2008	0	0
Rendija Canyon	R-SMA-2.5	SS082705	2008	0	0
Sandia Canyon	S-SMA-0.2	SS1219	2006	0	0
Sandia Canyon	S-SMA-1	E122	2004	2	0
Sandia Canyon	S-SMA-1	E122.2	2004	1	0
Sandia Canyon	S-SMA-2	E121	2004	1	0
Sandia Canyon	S-SMA-3.5	SS12293	2005	0	0
Sandia Canyon	S-SMA-3.6	SS12255	2006	1	0
Sandia Canyon	S-SMA-3.9	SS1235	2005	0	0
Sandia Canyon	S-SMA-4	SS1238	2004	1	0
Sandia Canyon	S-SMA-5	SS1245	2004	0	0
Sandia Canyon	S-SMA-5.1	SS1247	2006	0	0
Sandia Canyon	S-SMA-6	SS1248	2004	0	0
Ten-Site Canyon	Pratt-SMA-1	SS20142	2004	1	0
Ten-Site Canyon	T-SMA-1	E201.3	2004	0	0
Ten-Site Canyon	T-SMA-2.8	SS20133	2006	1	0
Ten-Site Canyon	T-SMA-3	SS20134	2004	1	0

TABLE 1 – 2008 SMA MONITORING STATUS, Q4

WATERSHED	SMA	STATION	MONITORING YEAR BEGIN	Q4	
				VISUAL OBSERVATION	ANALYTICAL SAMPLES
Ten-Site Canyon	T-SMA-4	SS20136	2004	1	0
Ten-Site Canyon	T-SMA-5	SS20138	2004	0	0
Ten-Site Canyon	T-SMA-6	SS20140	2004	0	0
Ten-Site Canyon	T-SMA-7	SS20143	2006	0	0
Water Canyon	W-SMA-1	SS25203	2005	1	0
Water Canyon	W-SMA-2	SS25205	2005	0	0
Water Canyon	W-SMA-4	E252.5	2005	0	0
Water Canyon	W-SMA-5	SS2528	2005	1	0
Water Canyon	W-SMA-6	SS2522	2007	1	0
Water Canyon	W-SMA-7	SS25243	2005	0	0
Water Canyon	W-SMA-8	SS2523	2005	1	0
Water Canyon	W-SMA-9	SS2524	2007	0	0
Water Canyon	W-SMA-10	SS25245	2005	0	0
Water Canyon	W-SMA-11	SS2529	2005	0	0
Water Canyon	W-SMA-12	SS26237	2006	0	0
Water Canyon	W-SMA-13	SS26234	2006	1	0
Water Canyon	W-SMA-14	SS26231	2007	0	0
Water Canyon	W-SMA-15	SS2624	2006	0	0
Totals				65	5

TABLE 2 — 2008 WATERSHED-SCALE MONITORING STATUS, Q4

STATION NUMBER	STATION DESCRIPTION	Q4	
		VISUAL OBSERVATION	ANALYTICAL
E026	Los Alamos below Ice Rink	0	0
E026.85	Los Alamos below Omega West	0	0
E030	Los Alamos above DP Canyon	0	0
E038	DP above TA-21	3	0
E039	DP below Meadow at TA-21	0	0
E040	DP above Los Alamos Canyon	0	0
E042	Los Alamos above SR-4	1	1
E050	Los Alamos below LA Weir	1	0
E055	Pueblo above Acid	0	0
E055.5	South Fork of Acid Canyon	1	0
E056	Acid above Pueblo	0	0
E060	Pueblo above SR-502	0	0
E099	Guaje at SR 502	0	0
E110	Los Alamos Canyon near Otowi Bridge	0	0
E121	Sandia right fork at Power Plant	1	0
E122	Sandia left fork at Asphalt Plant	2	0
E123	Sandia below Wetlands	1	0
E124	Sandia above Firing Range	0	0
E125	Sandia above SR-4	0	0
E200	Mortandad below Effluent Canyon	1	0
E201	Mortandad above Ten Site	0	0
E201.3	Ten Site below MDA C	0	0
E201.5	Ten Site above Mortandad	1	0
E202	Mortandad above Sediment Traps	1	0
E203	Mortandad below Sediment Traps	0	0
E204	Mortandad at LANL Boundary	0	0
E218	Canada del Buey near TA-46	0	0
E225	Canada del Buey near MDA G	0	0
E227	MDA G-13	0	0
E230	Canada del Buey above SR-4	1	0
E240	Pajarito below SR-501	0	0
E241	Pajarito above Starmers	0	0
E242	Starmers above Pajarito	0	0
E242.5	La Delfe above Pajarito	0	0
E243	Pajarito above Twomile	0	0
E243.5	Twomile tributary at TA-3	0	0

TABLE 2 — 2008 WATERSHED-SCALE MONITORING STATUS, Q4

STATION NUMBER	STATION DESCRIPTION	Q4	
		VISUAL OBSERVATION	ANALYTICAL
E244	Twomile above Pajarito	0	0
E245	Pajarito above TA-18	0	0
E245.5	Pajarito above Threemile	0	0
E246	Threemile above Pajarito	0	0
E247	MDA G-1	0	0
E248.5	MDA G-6U	1	0
E249	MDA G-5	0	0
E250	Pajarito above SR-4	0	0
E252	Water above SR-S01	0	0
E252.5	Water above S Site Canyon	0	0
E252.8	S Site Canyon above Water	0	0
E253	Canon de Valle above SR-S01	0	0
E256	Canon de Valle below MDA P	0	0
E257	Canon de Valle tributary at Burn Grounds	1	1
E262	Canon de Valle above Water	0	0
E262.5	Water below MDA AB	0	0
E263	Water at SR-4	0	0
E264	Indio at SR-4	0	0
E265	Water below SR-4	0	0
E266	Potrillo at Lower Slobbovia	0	0
E267	Potrillo above SR-4	0	0
E274	Ancho north fork below SR-4	0	0
E275	Ancho below SR-4	0	0
E338	Chaquehui at TA-33	0	0
E340	Chaquehui tributary at TA-33	0	0
Totals		16	2

TABLE 3 – 2008 Q4 wSAL EXCEEDENCES

SMA	ASSOCIATED SITES	ACTION(S) TAKEN
2M-SMA-1.7	03-055(a)	Re-evaluate existing site controls
2M-SMA-2	03-054(b)	Re-evaluate existing site controls
3M-SMA-0.6	15-008(b)	Re-evaluate existing site controls
ACID-SMA-1	00-030(g)	Re-evaluate existing site controls
ACID-SMA-2	00-030(f) 01-002(b)-00 45-001 45-002 45-004	Re-evaluate existing site controls
ACID-SMA-2.1	01-002(b)-00	Re-evaluate existing site controls
A-SMA-6	33-010(a)	Re-evaluate existing site controls
CDV-SMA-0.5	16-029(s) 16-029(t)	Re-evaluate existing site controls
CDV-SMA-1	16-001(a) 16-001(b) 16-001(c)	Re-evaluate existing site controls
CDV-SMA-1.4	16-016(d) 16-020	Re-evaluate existing site controls
CDV-SMA-1.5	16-026(j)	Re-evaluate existing site controls
CDV-SMA-2	16-021(c)	Re-evaluate existing site controls
CDV-SMA-2.4	16-010(b) 16-016(c) 16-018	Re-evaluate existing site controls
CDV-SMA-2.5	16-010(c) 16-010(d) 16-028(a)	Re-evaluate existing site controls
CDV-SMA-9	15-007(b)	Re-evaluate existing site controls
CHQ-SMA-1	33-004(h) 33-008(c) 33-015 C-33-001 C-33-003	Re-evaluate existing site controls
CHQ-SMA-2	33-004(d) 33-005(a) 33-005(b) 33-005(c) C-33-003	Re-evaluate existing site controls
CHQ-SMA-3	33-010(f)	Re-evaluate existing site controls
CHQ-SMA-4	33-016	Re-evaluate existing site controls
CHQ-SMA-4.5	33-011(b)	Re-evaluate existing site controls
CHQ-SMA-5	33-007(b)	Re-evaluate existing site controls
CHQ-SMA-7	33-010(g)	Re-evaluate existing site controls

TABLE 3 – 2008 Q4 wSAL EXCEEDENCES

SMA	ASSOCIATED SITES	ACTION(S) TAKEN
DP-SMA-0.9	21-011(c) 21-016(a) 21-016(b) 21-016(c)	Re-evaluate existing site controls
DP-SMA-2	21-021 21-024(h)	Re-evaluate existing site controls
LA-SMA-2	01-001(f)	Re-evaluate existing site controls
LA-SMA-5	01-001(d) 01-003(e) 01-006(h)	Re-evaluate existing site controls
LA-SMA-5.4	32-004	Re-evaluate existing site controls
LA-SMA-5.5	02-003(a) 02-003(b) 02-003(e) 02-004(a) 02-005 02-006(b) 02-006(c) 02-006(d) 02-006(e) 02-007 02-008(a) 02-008(c) 02-009(a) 02-009(b) 02-009(c) 02-011(a) 02-011(b) 02-011(c) 02-011(d)	Re-evaluate existing site controls
M-SMA-1	03-054(e)	Re-evaluate existing site controls
M-SMA-2	48-007(f)	Re-evaluate existing site controls
M-SMA-3	48-007(c)	Re-evaluate existing site controls
M-SMA-3.1	48-007(b)	Re-evaluate existing site controls
M-SMA-3.5	48-003	Re-evaluate existing site controls
M-SMA-4	48-007(a) 48-007(d) 48-010	Re-evaluate existing site controls
M-SMA-5	42-001(a) 42-001(b) 42-001(c) 42-002(a) 42-002(b)	Re-evaluate existing site controls
M-SMA-6	35-016(h)	Re-evaluate existing site controls
M-SMA-7	35-016(g) 35-016(h)	Re-evaluate existing site controls
M-SMA-8	50-006(d)	Re-evaluate existing site controls
M-SMA-9	35-016(f)	Re-evaluate existing site controls

TABLE 3 – 2008 Q4 WSAI EXCEEDENCES

SMA	ASSOCIATED SITES	ACTION(S) TAKEN
M-SMA-10	35-008 35-014(e) 35-016(e)	Re-evaluate existing site controls
M-SMA-10.3	35-014(e2) 35-016(i)	Re-evaluate existing site controls
M-SMA-11	35-016(o)	Re-evaluate existing site controls
M-SMA-12	35-016(p)	Re-evaluate existing site controls
M-SMA-13	05-001(c)	Re-evaluate existing site controls
P-SMA-1	73-001(a) 73-004(d)	Re-evaluate existing site controls
PJ-SMA-2	09-009	Installation of new site controls
PJ-SMA-3	09-004(o)	Re-evaluate existing site controls
PJ-SMA-4	09-004(g) 09-005(g)	Re-evaluate existing site controls
PJ-SMA-6	40-010	Re-evaluate existing site controls
PJ-SMA-7	40-006(c)	Re-evaluate existing site controls
PJ-SMA-15	54-014(d)	Re-evaluate existing site controls
PRATT-SMA-1	35-003(d) 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)	Re-evaluate existing site controls
R-SMA-1	C-00-041	Re-evaluate existing site controls
S-SMA-0.2	03-013(a) 03-013(b) 03-052(f)	Re-evaluate existing site controls
S-SMA-1	03-003(m) 03-009(a) 03-029	Re-evaluate existing site controls
S-SMA-3.5	03-014(b2) 03-014(c2)	Re-evaluate existing site controls
T-SMA-1	50-006(a) 50-009	Re-evaluate existing site controls
T-SMA-2.8	35-016(n)	Re-evaluate existing site controls
T-SMA-3	35-016(b)	Re-evaluate existing site controls
T-SMA-4	35-016(c) 35-016(d)	Re-evaluate existing site controls
T-SMA-6	35-016(q)	Re-evaluate existing site controls
W-SMA-1	16-026(c2) 16-026(v)	Re-evaluate existing site controls

TABLE 3 – 2008 Q4 wSAL EXCEEDENCES

SMA	ASSOCIATED SITES	ACTION(S) TAKEN
W-SMA-4	16-003(a)	Re-evaluate existing site controls
W-SMA-5	16-003(f) 16-026(z)	Re-evaluate existing site controls
W-SMA-6	11-001(c)	Re-evaluate existing site controls
W-SMA-7	16-026(h2)	Re-evaluate existing site controls
W-SMA-8	16-006(c) 16-026(a) 16-028(b)	Re-evaluate existing site controls
W-SMA-10	11-003(b) 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)	Re-evaluate existing site controls Installation of new site controls at 11-005(c)
W-SMA-11	11-004(a) 11-004(b) 11-004(c) 11-004(d) 11-004(e) 11-004(f)	Re-evaluate existing site controls
W-SMA-12	49-001(g)	Re-evaluate existing site controls
W-SMA-13	49-001(a)	Re-evaluate existing site controls
W-SMA-14	15-010(c)	Re-evaluate existing site controls

TABLE 4 — PRECIPITATION MONITORING, Q4 2008

RAIN GAGE OR MET TOWER	NUMBER OF ASSOCIATED SITES	NUMBER > 0.50" RAIN EVENTS		
		OCTOBER	NOVEMBER	DECEMBER
North Community	3	0	1	0
R038	63	1	0	A(w) ¹
R055.5	28	1	0	A(w)
R121.9	27	1	0	A(w)
R122.5	5	1	0	A(w)
R196	19	1	0	A(w)
R200.5	35	1	0	A(w)
R203	16	1	0	A(w)
R240	7	2	0	A(w)
R245.5	52	1	0	A(w)
R249.5	7	1	0	A(w)
R257	97	1	0	A(w)
R265	6	1	0	A(w)
R267.4	18	1	0	A(w)
R340	33	1	0	A(w)
TA-06	25	1	1	0
TA-49	4	1	0	0
TA-53	21	1	0	0

¹ During Q4 rain gages were disassembled to protect equipment from damage and breakage due to winter freezing conditions and adverse weather [A (w)].