

**Analytical Results from the First Measurable
Storm Event Following Installation of Control
Measures at W-SMA-11.7**

November 19, 2013

NPDES PERMIT NO. NM0030759

LA-UR-13-28744

**LOS ALAMOS NATIONAL LABORATORY
ANALYTICAL RESULTS FROM THE FIRST MEASURABLE STORM EVENT**

PF: W019

W-SMA-11.7

Site: 49-008(c)

Tables 1 and 2 present the analytical results received from the confirmation monitoring samples collected from the first measurable storm event following the installation of enhanced controls at site monitoring area (SMA) W-SMA-11.7. The descriptions and photographs of each enhanced control installed at W-SMA-11.7 were provided to the U.S. Environmental Protection Agency on October 25, 2012 (EP2012-0262/LA-UR-12-25352). Table 3 presents each applicable target action level (TAL) for the analytes monitored.

Table 1

**Radiochemical Analytical Results from the First Measurable Storm Event
Collected on September 13, 2013, Following Installation of Enhanced Controls, SMA W-SMA-11.7**

Sample ID	Analyte	Field Prep	Detect Status	Result (pCi/L)	TAL Exceedance Ratio ^a	Minimum Detectable Activity (pCi/L)	Uncertainty (pCi/L)	Qualifier ^b	Data Receipt Date
WT_IPC-13-32468	Gross alpha	Unfiltered	Detect	39.6	2.640	6.05	2.8	NQ	10/25/13

^a Preliminary average TAL (ATAL) exceedance ratio from first of two possible samples.

^b Qualifier: NQ = Result is not qualified.

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Table 2

**Metals and Organic Analytical Results from the First Measurable Storm Event
Collected on September 13, 2013, Following Installation of Enhanced Controls, SMA W-SMA-11.7**

Sample ID	Analyte	Field Prep	Detect Status	Result (µg/L)	TAL Exceedance Ratio ^a	Method Detection Limit (µg/L)	Quantitation Limit (µg/L)	Qualifier ^b	Data Receipt Date
WT_IPC-13-32101	Aluminum	Filtered	Detect	151	0.201	15	50	NQ	10/25/13

^a Preliminary ATAL exceedance ratio from first of two possible samples.

^b Qualifier: NQ = Result is not qualified.

**Table 3
Applicable TALs**

Analyte	Units	CAS No.	MQL	ATAL	MTAL
Aluminum, Dissolved	µg/L	7429-90-5	2.5	n/a*	750
Gross alpha	pCi/L	n/a	n/a	15	n/a

Notes: CAS = Chemical Abstracts Service; MQL = minimum quantification level;
MTAL = maximum TAL.

*n/a = Value is not applicable.