

**Analytical Results from the First Measurable  
Storm Event Following Installation of Control  
Measures at M-SMA-1.22**

**November 19, 2013**

**NPDES PERMIT NO. NM0030759**

**LA-UR-13-28735**



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

PF: M002B

M-SMA-1.22

Site: 03-045(h)

Table 1 presents 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) M-SMA-1.22. The descriptions and photographs of each enhanced control installed at M-SMA-1.22 were provided to the U.S. Environmental Protection Agency on June 4, 2013 (EP2013-0104/LA-UR-13-22199). Table 2 presents each applicable target action level (TAL) for the analytes monitored.

**Table 1  
Metals and Organic Analytical Results from the First Measurable Storm Event  
Collected on September 12, 2013, Following Installation of Enhanced Controls, SMA M-SMA-1.22**

Sample ID	Analyte	Field Prep	Detect Status	Result (µg/L)	TAL Exceedance Ratio <sup>a</sup>	Method Detection Limit (µg/L)	Quantitation Limit (µg/L)	Qualifier <sup>b</sup>	Data Receipt Date
WT_IPC-13-34611	Aluminum	Filtered	Detect	419	0.559	15	50	NQ	10/21/13
WT_IPC-13-34611	Copper	Filtered	Detect	5.96	1.386	0.35	1	NQ	11/1/13

<sup>a</sup> Preliminary average TAL (ATAL) exceedance ratio from first of two possible samples.

<sup>b</sup> Qualifier: NQ = Result is not qualified.

**Table 2  
Applicable TALs**

Analyte	Units	CAS No.	MQL	ATAL	MTAL
Aluminum, Dissolved	µg/L	7429-90-5	2.5	n/a*	750
Copper, Dissolved	µg/L	7440-40-8	0.5	n/a	4.3

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

\* n/a = Value is not applicable.