

**Analytical Results from the First Measurable
Storm Event Following Installation of Control
Measures at LA-SMA-5.35**

September 5, 2014

NPDES PERMIT NO. NM0030759

LA-UR-14-26799

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

PF: L014

LA-SMA-5.35

Site: C-41-004

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) LA-SMA-5.35. The descriptions and photographs of each enhanced control installed at LA-SMA-5.35 were provided to the U.S. Environmental Protection Agency on December 13, 2012 (EP2012-0296/LA-UR-12-26521). 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 June 21, 2014, Following Installation of Enhanced Controls, SMA LA-SMA-5.35**

Sample ID	Analyte	Field Prep	Detect Status	Result (pCi/L)	TAL Exceedance Ratio	Minimum Detectable Activity (pCi/L)	Uncertainty (pCi/L)	Qualifier*	Data Receipt Date
WT_IPC-14-56108	Gross alpha	Unfiltered	Detect	118	7.867	4.34	4.43	NQ	18-Aug-14

Note: TAL Exceedance Ratio is a preliminary average from the first of at least two confirmation samples.

*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 June 21, 2014, Following Installation of Enhanced Controls, SMA LA-SMA-5.35**

Sample ID	Analyte	Field Prep	Detect Status	Result (µg/L)	TAL Exceedance Ratio	Method Detection Limit	Quantitation Limit	Qualifier*	Data Receipt Date
WT_IPC-14-55935	Copper	Filtered	Detect	11.3	2.628	0.35	1	NQ	18-Aug-14

Note: TAL exceedance ratio is a preliminary average from the first of at least two confirmation samples.

* Qualifier: NQ = Result is not qualified.

Table 3

Applicable TALs

Analyte	Units	CAS No.	MLQ	ATAL	MTAL
Copper, Dissolved	µg/L	7440-40-8	0.5	n/a*	4.3
Gross alpha	pCi/L	n/a	n/a	15	n/a

Notes: CAS = Chemical Abstracts Service; MLQ = minimum quantification level;
ATAL = average TAL; MTAL = maximum TAL.

* n/a = Value is not applicable.