

**Analytical Results from the First Measurable
Storm Event Following Installation of Control
Measures at 2M-SMA-1.65**

November 19, 2013

NPDES PERMIT NO. NM0030759

LA-UR-13-28731

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

PF: E007

2M-SMA-1.65

Site: 40-005

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) 2M-SMA-1.65. The descriptions and photographs of each enhanced control installed at 2M-SMA-1.65 were provided to the U.S. Environmental Protection Agency July 25, 2012 (EP2012-0178/LA-UR-12-22520). Table 2 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 2M-SMA-1.65**

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-13-32462	Gross alpha	Unfiltered	Detect	22.6	1.507	3.63	1.82	NQ	10/24/13

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

^b Qualifier: NQ = Result is not qualified.

**Table 2
Applicable TALs**

Analyte	Units	CAS No.	MQL	ATAL	MTAL
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.