

**Analytical Results from the First Measurable
Storm Event Following Installation of Control
Measures at W-SMA-1.5**

September 25, 2014

NPDES PERMIT NO. NM0030759

LA-UR-14-27457

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

PF: W002

W-SMA-1.5

Sites: 16-026(b2)
16-028(d)

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) W-SMA-1.5. The descriptions and photographs of each enhanced control installed at W-SMA-1.5 were provided to the U.S. Environmental Protection Agency on October 25, 2012 (EP2012-00262/LA-UR-12-24688). 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 July 19, 2014, Following Installation of Enhanced Controls, SMA W-SMA-1.5**

| Sample ID | Analyte | Field Prep | Detect Status | Result (µg/L) | TAL Exceedance Ratio | Method Detection Limit | Quantitation Limit | Qualifier* | Data Receipt Date |
|-----------------|---------|------------|---------------|---------------|----------------------|------------------------|--------------------|------------|-------------------|
| WT_IPC-14-55946 | Copper | Filtered | Detect | 6.9 | 1.605 | 0.35 | 1.0 | NQ | 8/28/2014 |
| WT_IPC-14-55946 | Zinc | Filtered | Detect | 11.5 | 0.274 | 3.3 | 10.0 | NQ | 8/28/2014 |

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

* Qualifier: NQ = result is not qualified.

**Table 2
Applicable TALs**

| Analyte | Units | CAS No. | MQL | ATAL | MTAL |
|-------------------|-------|-----------|-----|------|------|
| Copper, Dissolved | µg/L | 7440-40-8 | 0.5 | n/a* | 4.3 |
| Zinc, Dissolved | µg/L | 7440-66-6 | 20 | n/a | 42 |

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

* n/a = Value is not applicable.