Analytical Results from the First Measurable Storm Event Following Installation of Control Measures at 2M-SMA-1.7

September 5, 2014

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LA-UR-14-26795
LOS ALAMOS NATIONAL LABORATORY
ANALYTICAL RESULTS FROM THE FIRST MEASURABLE STORM EVENT

PF: E009  2M-SMA-1.7  Site: 03-055(a)

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-1.7. The descriptions and photographs of each enhanced control installed at 2M-SMA-1.7 were provided to the U.S. Environmental Protection Agency on August 27, 2012 (EP2012-0199/LA-UR-12-23185). 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 June 21, 2014, Following Installation of Enhanced Controls, SMA 2M-SMA-1.7

<table>
<thead>
<tr>
<th>Sample ID</th>
<th>Analyte</th>
<th>Field Prep</th>
<th>Detect Status</th>
<th>Result (µg/L)</th>
<th>TAL Exceedance Ratio</th>
<th>Method Detection Limit</th>
<th>Quantiitation Limit</th>
<th>Qualifier</th>
<th>Data Receipt Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>WT_IPC-14-55933</td>
<td>Copper</td>
<td>Filtered</td>
<td>Detect</td>
<td>4.6</td>
<td>1.070</td>
<td>0.35</td>
<td>1</td>
<td>NQ</td>
<td>18-Aug-14</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Analyte</th>
<th>Units</th>
<th>CAS No.</th>
<th>MQL</th>
<th>ATAL</th>
<th>MTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Copper, Dissolved</td>
<td>µg/L</td>
<td>7440-40-8</td>
<td>0.5</td>
<td>n/a*</td>
<td>4.3</td>
</tr>
</tbody>
</table>

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

* n/a – Value is not applicable.