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
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>
<thead>
<tr>
<th>Sample ID</th>
<th>Analyte</th>
<th>Field Prep</th>
<th>Detect Status</th>
<th>Result (pCi/L)</th>
<th>TAL Exceedance Ratio</th>
<th>Minimum Detectable Activity (pCi/L)</th>
<th>Uncertainty (pCi/L)</th>
<th>Qualifier</th>
<th>Data Receipt Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>WT_IPC-14-56108</td>
<td>Gross alpha</td>
<td>Unfiltered</td>
<td>Detect</td>
<td>118</td>
<td>7.867</td>
<td>4.34</td>
<td>4.43</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.
LOS ALAMOS NATIONAL LABORATORY
ANALYTICAL RESULTS FROM THE FIRST MEASURABLE STORM EVENT

PF: L014  LA-SMA-5.35  Site: C-41-004

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

<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>Quantitation Limit</th>
<th>Qualifier*</th>
<th>Data Receipt Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>WT_IPC-14-55935</td>
<td>Copper</td>
<td>Filtered</td>
<td>Detect</td>
<td>11.3</td>
<td>2.628</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 3
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>
<tr>
<td>Gross alpha</td>
<td>pCi/L</td>
<td>n/a</td>
<td>n/a</td>
<td>15</td>
<td>n/a</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.