South Coast Air Quality Management District

Tesoro Wilmington Refinery

2014 Rule 1118 Quarterly Flare Emissions

**Emission Target** (Includes the combined totals from the Carson Sulfur Recovery Plant and Wilmington Refinery facilities)

<table>
<thead>
<tr>
<th>2014 SOx Emissions Target (lbs)</th>
<th>Year-to-date SOx Emissions (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>36,051</td>
<td>Tesoro, Wilmington Refinery</td>
</tr>
<tr>
<td></td>
<td>1,928.0</td>
</tr>
<tr>
<td></td>
<td>Tesoro, Carson Sulfur Recovery Plant</td>
</tr>
<tr>
<td></td>
<td>867.7</td>
</tr>
<tr>
<td></td>
<td>Total Combined Emissions</td>
</tr>
<tr>
<td></td>
<td>2,795.7</td>
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</tbody>
</table>

Quarter I (January 1, 2014 - March 31, 2014):

<table>
<thead>
<tr>
<th>Flare ID</th>
<th>Total Gas Flow (scf)</th>
<th>Emissions (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>PM-10</td>
</tr>
<tr>
<td>LAR</td>
<td>9,553,103</td>
<td>51.0</td>
</tr>
<tr>
<td>Total</td>
<td>9,553,103</td>
<td>51.0</td>
</tr>
</tbody>
</table>

Quarter II (April 1, 2014 - June 30, 2014):

<table>
<thead>
<tr>
<th>Flare ID</th>
<th>Total Gas Flow (scf)</th>
<th>Emissions (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>PM-10</td>
</tr>
<tr>
<td>LAR</td>
<td>8,465,643</td>
<td>16.9</td>
</tr>
<tr>
<td>Total</td>
<td>8,465,643</td>
<td>16.9</td>
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</table>

Quarter III (July 1, 2014 - September 30, 2014):

<table>
<thead>
<tr>
<th>Flare ID</th>
<th>Total Gas Flow (scf)</th>
<th>Emissions (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>PM-10</td>
</tr>
<tr>
<td>LAR</td>
<td>9,275,229</td>
<td>71.6</td>
</tr>
<tr>
<td>Total</td>
<td>9,275,229</td>
<td>71.6</td>
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</tbody>
</table>

Quarter IV (October 1, 2014 - December 31, 2014):

<table>
<thead>
<tr>
<th>Flare ID</th>
<th>Total Gas Flow (scf)</th>
<th>Emissions (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>PM-10</td>
</tr>
<tr>
<td>LAR</td>
<td>9,162,115</td>
<td>17.3</td>
</tr>
<tr>
<td>Total</td>
<td>9,162,115</td>
<td>17.3</td>
</tr>
</tbody>
</table>