## Lower Eastern Shore Air Monitoring Project - January 2022 Summary

### January 2022 Data Summary for NH₃

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Site</th>
<th>Average hourly value (ppb)</th>
<th>Median hourly value (ppb)</th>
<th>Maximum hourly value (ppb)</th>
<th>Minimum hourly value (ppb)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NH₃</td>
<td>Baltimore Co. NR</td>
<td>4</td>
<td>3.6</td>
<td>16.3</td>
<td>-1.1</td>
</tr>
<tr>
<td></td>
<td>(Urban, no poultry operations)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Princess Anne</td>
<td>4.1</td>
<td>4</td>
<td>12.1</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>(Low poultry operation density)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Pocomoke City</td>
<td>4.3</td>
<td>3.3</td>
<td>45.9</td>
<td>-0.5</td>
</tr>
<tr>
<td></td>
<td>(High poultry operation density)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**MDE 1-hour screening level = 350 ppb**

### January 2022 Data Summary for PM₂.₅

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Site</th>
<th>Average 24-hr value (µg/m³)</th>
<th>Median 24-hr value (µg/m³)</th>
<th>Maximum 24-hr value (µg/m³)</th>
<th>Minimum 24-hr value (µg/m³)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PM₂.₅</td>
<td>Lake Montebello*</td>
<td>10.4</td>
<td>10</td>
<td>18.2</td>
<td>4.5</td>
</tr>
<tr>
<td></td>
<td>(Urban, no poultry operations)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Princess Anne</td>
<td>7.9</td>
<td>7.3</td>
<td>14.5</td>
<td>3.4</td>
</tr>
<tr>
<td></td>
<td>(Low poultry operation density)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Pocomoke City</td>
<td>6</td>
<td>6</td>
<td>11.1</td>
<td>2.8</td>
</tr>
<tr>
<td></td>
<td>(High poultry operation density)</td>
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</tr>
</tbody>
</table>

**NAAQS PM₂.₅ 24-hour standard = 35 µg/m³**

### January 2022 Data Summary for PM₁₀

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Site</th>
<th>Average 24-hr value (µg/m³)</th>
<th>Median 24-hr value (µg/m³)</th>
<th>Maximum 24-hr value (µg/m³)</th>
<th>Minimum 24-hr value (µg/m³)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PM₁₀</td>
<td>Princess Anne</td>
<td>12</td>
<td>11.8</td>
<td>20.1</td>
<td>5.4</td>
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<td></td>
<td>(Low poultry operation density)</td>
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<td></td>
</tr>
<tr>
<td></td>
<td>Pocomoke City</td>
<td>9.5</td>
<td>9</td>
<td>16.7</td>
<td>4.6</td>
</tr>
<tr>
<td></td>
<td>(High poultry operation density)</td>
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<td></td>
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</tbody>
</table>

**NAAQS PM₁₀ 24-hour standard = 150 µg/m³**

* During January 2022, PM2.5 was moved from Oldtown (closed) to Lake Montebello.

NAAQS: National Ambient Air Quality Standards