## Lower Eastern Shore Air Monitoring Project – March 2023 Summary

### March 2023 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 (Urban, no poultry operations)</td>
<td>6.2</td>
<td>5.8</td>
<td>22</td>
<td>0.6</td>
</tr>
<tr>
<td></td>
<td>Princess Anne (Low poultry operation density)</td>
<td>4.7</td>
<td>4.6</td>
<td>10.9</td>
<td>2.1</td>
</tr>
<tr>
<td></td>
<td>Pocomoke City (High poultry operation density)</td>
<td>11</td>
<td>7.6</td>
<td>114.1</td>
<td>-0.2</td>
</tr>
</tbody>
</table>

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

### March 2023 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 (Urban, no poultry operations)</td>
<td>5.5</td>
<td>5</td>
<td>17.5</td>
<td>1.4</td>
</tr>
<tr>
<td></td>
<td>Princess Anne (Low poultry operation density)</td>
<td>7.4</td>
<td>6.9</td>
<td>14.4</td>
<td>3.1</td>
</tr>
<tr>
<td></td>
<td>Pocomoke City (High poultry operation density)</td>
<td>6.8</td>
<td>6.8</td>
<td>12.3</td>
<td>3.5</td>
</tr>
</tbody>
</table>

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

### March 2023 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>Lake Montebello* (Urban, no poultry operations)</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td></td>
<td>Princess Anne (Low poultry operation density)</td>
<td>12.4</td>
<td>11.3</td>
<td>21</td>
<td>5.2</td>
</tr>
<tr>
<td></td>
<td>Pocomoke City (High poultry operation density)</td>
<td>12.2</td>
<td>12.1</td>
<td>18.5</td>
<td>5.8</td>
</tr>
</tbody>
</table>

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

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NAAQS: National Ambient Air Quality Standards

*PM₁₀ measurements began at Lake Montebello on January 17, 2022, where measurements are taken using an FRM manual filter method. Data are included on the project-to-data summaries.*

Note: Preliminary data – subject to change.