## Lower Eastern Shore Air Monitoring Project - February 2021 Summary

### February 2021 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>Oldtown (Urban, no poultry operations)</td>
<td>5.7</td>
<td>5.8</td>
<td>12.9</td>
<td>1.1</td>
</tr>
<tr>
<td></td>
<td>Horn Point (Rural, no poultry operations)</td>
<td>2.1</td>
<td>1.8</td>
<td>8.8</td>
<td>0.4</td>
</tr>
<tr>
<td></td>
<td>Princess Anne (Low poultry operation density)</td>
<td>5.3</td>
<td>5.3</td>
<td>11.4</td>
<td>2.7</td>
</tr>
<tr>
<td></td>
<td>Pocomoke City (High poultry operation density)</td>
<td>7.5</td>
<td>5.2</td>
<td>104.7</td>
<td>1.5</td>
</tr>
</tbody>
</table>

MDE 1-hour screening level = 350 ppb

### February 2021 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>Oldtown (Urban, no poultry operations)</td>
<td>9.3</td>
<td>9</td>
<td>16.9</td>
<td>3.2</td>
</tr>
<tr>
<td></td>
<td>Horn Point (Rural, no poultry operations)</td>
<td>7.5</td>
<td>6.3</td>
<td>16.7</td>
<td>4.2</td>
</tr>
<tr>
<td></td>
<td>Princess Anne (Low poultry operation density)</td>
<td>8.4</td>
<td>7</td>
<td>24.6</td>
<td>2.7</td>
</tr>
<tr>
<td></td>
<td>Pocomoke City (High poultry operation density)</td>
<td>8.2</td>
<td>7.2</td>
<td>22.6</td>
<td>3.4</td>
</tr>
</tbody>
</table>

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

### February 2021 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>Oldtown (Urban, no poultry operations)</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td></td>
<td>Horn Point (Rural, 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>11.2</td>
<td>10.8</td>
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<td>4</td>
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<tr>
<td></td>
<td>Pocomoke City (High poultry operation density)</td>
<td>11.6</td>
<td>11.2</td>
<td>25.3</td>
<td>4.5</td>
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</tbody>
</table>

NAAQS PM₁₀ 24-hour standard = 150 µg/m³

NAAQS: National Ambient Air Quality Standards