# Lower Eastern Shore Air Monitoring Project – August 2023 Summary

**August 2023 Data Summary for NH₃**  <span style="color:red">**MDE 1-hour screening level = 350 ppb**</span>

| Parameter | Site | Average hourly value (ppb) | Median hourly value (ppb) | Maximum hourly value (ppb) | Minimum hourly value (ppb) |
|---|---|---|---|---|---|
| NH$_3$ | Baltimore Co. NR (Urban, no poultry operations) | 6.5 | 6.2 | 17.2 | 1.9 |
| | Princess Anne (Low poultry operation density) | 3.9 | 3.7 | 12 | 1.2 |
| | Pocomoke City (High poultry operation density) | 15.1 | 12.6 | 79.3 | 4.4 |

**August 2023 Data Summary for PM₂.₅**  <span style="color:red">**NAAQS PM₂.₅ 24-hour standard = 35 μg/m³**</span>

| Parameter | Site | Average 24-hr value (μg/m³) | Median 24-hr value (μg/m³) | Maximum 24-hr value (μg/m³) | Minimum 24-hr value (μg/m³) |
|---|---|---|---|---|---|
| PM$_{2.5}$ | Lake Montebello (Urban, no poultry operations) | 6.4 | 6.2 | 13.6 | 1.1 |
| | Princess Anne (Low poultry operation density) | 9.2 | 8.8 | 16.4 | 4 |
| | Pocomoke City (High poultry operation density) | 8.8 | 8.7 | 14.7 | 4.4 |

NAAQS: National Ambient Air Quality Standards

**August 2023 Data Summary for PM₁₀**  <span style="color:red">**NAAQS PM₁₀ 24-hour standard = 150 μg/m³**</span>

| Parameter | Site | Average 24-hr value (μg/m³) | Median 24-hr value (μg/m³) | Maximum 24-hr value (μg/m³) | Minimum 24-hr value (μg/m³) |
|---|---|---|---|---|---|
| PM$_{10}$ | Lake Montebello* (Urban, no poultry operations) | NA | NA | NA | NA |
| | Princess Anne (Low poultry operation density) | 16.3 | 16.3 | 25.4 | 9.4 |
| | Pocomoke City (High poultry operation density) | 16.5 | 16.6 | 23.1 | 10.7 |

NAAQS: National Ambient Air Quality Standards

*PM$_{10}$ 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.