

Lower Eastern Shore Air Monitoring Project - March 2022 Summary

March 2022 Data Summary for NH₃

MDE 1-hour screening level = 350 ppb

| 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) | 5.6 | 5.4 | 15.4 | -1 |
| | Princess Anne (Low poultry operation density) | 3.4 | 3.4 | 8.8 | 0.8 |
| | Pocomoke City (High poultry operation density) | 6.6 | 5.1 | 41.6 | 0.3 |

March 2022 Data Summary for PM_{2.5}

NAAQS PM_{2.5} 24-hour standard = 35 µg/m³

| Parameter | Site | Average 24-hr value (µg/m ³) | Median 24-hr value (µg/m ³) | Maximum 24-hr value (µg/m ³) | Minimum 24-hr value (µg/m ³) |
|-------------------|---|--|---|--|--|
| PM _{2.5} | Lake Montebello (Urban, no poultry operations) | 4.8 | 4.7 | 9.5 | -0.3 |
| | Princess Anne (Low poultry operation density) | 6.7 | 6 | 13 | 2.4 |
| | Pocomoke City (High poultry operation density) | 6.1 | 5.8 | 11.8 | 2.5 |

March 2022 Data Summary for PM₁₀

NAAQS PM₁₀ 24-hour standard = 150 µg/m³

| Parameter | Site | Average 24-hr value (µg/m ³) | Median 24-hr value (µg/m ³) | Maximum 24-hr value (µg/m ³) | Minimum 24-hr value (µg/m ³) |
|------------------|--|--|---|--|--|
| PM ₁₀ | Lake Montebello* (Urban, no poultry operations) | N/A | N/A | N/A | N/A |
| | Princess Anne (Low poultry operation density) | 11.9 | 12.8 | 24.3 | 4 |
| | Pocomoke City (High poultry operation density) | 10.5 | 10.3 | 22.7 | 4 |

* Lake Montebello station measures PM₁₀ with an FRM manual filter method. Data are included on the project-to-date summaries.

NAAQS: National Ambient Air Quality Standards