

Lower Eastern Shore Air Monitoring Project – April 2026 Summary

April 2026 Data Summary for NH₃ (MDE 1-hour screening level = 350 ppb)

Site	Average hourly value (ppb)	Median hourly value (ppb)	Maximum hourly value (ppb)	Minimum hourly value (ppb)	% complete
Baltimore Co. NR (Urban, no poultry operations)	6	5.7	17.3	0.6	95
Princess Anne (Low poultry operation density)	4.1	4.3	15.7	0.1	95
Pocomoke City (High poultry operation density)	9.5	9.2	48.5	0.5	94

April 2026 Data Summary for PM_{2.5} (NAAQS* PM_{2.5} 24-hour standard = 35 µg/m³)

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)	% complete
Lake Montebello** (Urban, no poultry operations)	7.6	7.6	16.6	2.5	97
Princess Anne (Low poultry operation density)	5.2	4.2	14.7	1.7	100
Pocomoke City (High poultry operation density)	4.7	4	12.6	1.3	93

April 2026 Data Summary for PM₁₀ (NAAQS* PM₁₀ 24-hour standard = 150 µg/m³)

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)	% complete
Lake Montebello** (Urban, no poultry operations)	NA	NA	NA	NA	NA
Princess Anne (Low poultry operation density)	7.1	6.6	19.9	2	100
Pocomoke City (High poultry operation density)	7.7	6.7	17.6	1.9	93

* NAAQS: National Ambient Air Quality Standards

** PM_{2.5} and PM₁₀ measurements began at Lake Montebello in January 2022, where PM_{2.5} measurements are obtained with a continuous MetOne BAM1020 and PM₁₀ measurements are taken using an FRM manual filter method. Data are included in the project-to-date summaries. Preliminary data - subject to change.