

Lower Eastern Shore Air Monitoring Project – August 2026 Summary

August 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
Princess Anne (Low poultry operation density)	3.4	3.2	8	1.7	95
Pocomoke City (High poultry operation density)	20.3	18.2	66.6	4.2	51

August 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)	8.4	8.5	14.7	5.2	100
Princess Anne (Low poultry operation density)	No data	No data	No data	No data	0
Pocomoke City (High poultry operation density)	6.1	5.3	12.8	3.1	100

Note: Princess Anne T640x failed a precision check resulting in data loss.

August 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)	No data	No data	No data	No data	0
Pocomoke City (High poultry operation density)	9.8	9.1	17.6	5.8	100

* 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.