

Lower Eastern Shore Air Monitoring Project – September 2026 Summary

September 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)	3.2	2.9	7.2	0.9	93
Pocomoke City (High poultry operation density)	11.2	10.7	27.5	2.3	93

September 2026 Data Summary for PM_{2.5} (NAAQS* PM2.5 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)	5.5	5.2	12.9	3.2	100
Princess Anne (Low poultry operation density)	3.3	3.2	6.1	1.3	90
Pocomoke City (High poultry operation density)	4	3.7	7.8	1.7	97

September 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)	5.4	5.7	9.1	2.1	90
Pocomoke City (High poultry operation density)	7.2	7.2	11.5	3.4	97

* 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.