

Lower Eastern Shore Air Monitoring Project – June 2026 Summary

June 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)	7.3	7.3	15	1.5	95
Princess Anne (Low poultry operation density)	3.2	3.3	6.8	1	84
Pocomoke City (High poultry operation density)	14.8	11.9	199.6	3.8	94

June 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)	6.4	6.4	11.7	2.7	100
Princess Anne (Low poultry operation density)	6.5	6.2	14.3	1.8	87
Pocomoke City (High poultry operation density)	5.8	5.2	14.1	2	73

June 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)	9	8.4	17.3	3.2	87
Pocomoke City (High poultry operation density)	8.9	8	17.7	4.4	73

* 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.