Lower Eastern Shore Air Monitoring Project – October 2026 Summary

October 2026 Data Summary for NH_3 (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)	2	2	8.2	-0.1	96
Pocomoke City (High poultry operation density)	6.7	5.8	24.1	-0.4	92

October 2026 Data Summary for $PM_{2.5}$ (NAAQS* PM2.5 24-hour standard = 35 μg/m3)

Site	Average 24-hr value ($\mu g/m^3$)	Median 24-hr value ($\mu g/m^3$)	Maximum 24-hr value ($\mu g/m^3$)	Minimum 24-hr value ($\mu g/m^3$)	% complete
Lake Montebello** (Urban, no poultry operations)	5.4	5.2	11.4	1.1	87
Princess Anne (Low poultry operation density)	4	3.5	10.5	1	100
Pocomoke City (High poultry operation density)	4.7	4.1	10.6	1.6	100

October 2026 Data Summary for PM_{10} (NAAQS* PM10 24-hour standard = 150 μg/m3)

Site	Average 24-hr value ($\mu g/m^3$)	Median 24-hr value ($\mu g/m^3$)	Maximum 24-hr value ($\mu g/m^3$)	Minimum 24-hr value ($\mu g/m^3$)	% complete
Lake Montebello** (Urban, no poultry operations)	NA	NA	NA	NA	NA
Princess Anne (Low poultry operation density)	6.2	5.9	14.6	1.3	100
Pocomoke City (High poultry operation density)	8.1	7.5	15.6	3.1	100

* NAAQS: National Ambient Air Quality Standards

** $PM_{2.5}$ and PM_{10} measurements began at Lake Montebello in January 2022, where $PM_{2.5}$ measurements are obtained with a continuous MetOne BAM1020 and PM_{10} measurements are taken using an FRM manual filter method. Data are included in the project-to-date summaries. Preliminary data - subject to change.