

Lower Eastern Shore Air Monitoring Project – January 2026 Summary

January 2026 Data Summary for NH₃

MDE 1-hour screening level = 350 ppb

Parameter	Site	Average hourly value (ppb)	Median hourly value (ppb)	Maximum hourly value (ppb)	Minimum hourly value (ppb)
NH ₃	Baltimore Co. NR (Urban, no poultry operations)	5.8	5.5	21.9	-0.4
	Princess Anne (Low poultry operation density)	1.3	0.9	6.3	-0.5
	Pocomoke City (High poultry operation density)	6.3	3.5	65.3	0
	Harmony (High poultry operation density)	3.7	2.9	21.1	-0.1

January 2026 Data Summary for PM_{2.5}

NAAQS PM_{2.5} 24-hour standard = 35 µg/m³

Parameter	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)
PM _{2.5}	Lake Montebello (Urban, no poultry operations)	8	7.6	17	2.6
	Princess Anne (Low poultry operation density)	6.2	6.8	12	1.9
	Pocomoke City (High poultry operation density)	5.4	5.2	10.8	1.7
	Harmony (High poultry operation density)	7.3	7.6	14.8	2.6

NAAQS: National Ambient Air Quality Standards

January 2026 Data Summary for PM₁₀

NAAQS PM₁₀ 24-hour standard = 150 µg/m³

Parameter	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)
PM ₁₀	Lake Montebello* (Urban, no poultry operations)	NA	NA	NA	NA
	Princess Anne (Low poultry operation density)	8	8.4	13.8	2.2
	Pocomoke City (High poultry operation density)	7.1	7.1	12.3	2
	Harmony (High poultry operation density)	11.3	11.3	19.7	5.1

NAAQS: National Ambient Air Quality Standards

* PM₁₀ measurements began at Lake Montebello on January 17, 2022, where measurements are taken using an FRM manual filter method. Data are included in the project-to-date summaries. Preliminary data - subject to change.