Lower Eastern Shore Air Monitoring Project – April 2022 Summary

April 2022 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)
NH₃	Baltimore Co. NR (Urban, no poultry operations)	4.2	3.8	14.2	-0.5
	Princess Anne (Low poultry operation density)	4.2	4	9.1	1.8
	Pocomoke City (High poultry operation density)	8.7	6.2	111.3	0.5

NAAQS: National Ambient Air Quality Standards

April 2022 Data Summary for PM₂.₅   **NAAQS PM₂.₅ 24-hour standard = 35 µg/m³**

Parameter	Site	Average 24-hr value (µg/m³)	Median 24-hr value (µg/m³)	Maximum 24-hr value (µg/m³)	Minimum 24-hr value (µg/m³)
PM₂.₅	Lake Montebello (Urban, no poultry operations)	3.2	2.8	9.8	-0.2
	Princess Anne (Low poultry operation density)	6.4	5.8	15	2.7
	Pocomoke City (High poultry operation density)	5.9	5.2	12.8	2.6

NAAQS: National Ambient Air Quality Standards

April 2022 Data Summary for PM₁₀   **NAAQS PM₁₀ 24-hour standard = 150 µg/m³**

Parameter	Site	Average 24-hr value (µg/m³)	Median 24-hr value (µg/m³)	Maximum 24-hr value (µg/m³)	Minimum 24-hr value (µg/m³)
PM₁₀	Lake Montebello* (Urban, no poultry operations)	NA	NA	NA	NA
	Princess Anne (Low poultry operation density)	12.6	11	28	4.6
	Pocomoke City (High poultry operation density)	11.8	10.6	25.7	4.6

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 on the project-to-data summaries