Lower Eastern Shore Air Monitoring Project - February 2022 Summary

February 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)
NH_3	Baltimore Co. NR (Urban, no poultry operations)	5.2	5.2	18.9	0
	Princess Anne (Low poultry operation density)	3.7	3.6	9.5	0.7
	Pocomoke City (High poultry operation density)	10.5	5.7	164	0.7

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

Parameter	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 ($\mu g/m^3$)
$PM_{2.5}$	Lake Montebello (Urban, no poultry operations)	10.7	10.6	16.2	5
	Princess Anne (Low poultry operation density)	7.7	6.4	15.5	4.1
	Pocomoke City (High poultry operation density)	7.1	5.4	16.2	3.9

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

Parameter	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 ($\mu g/m^3$)
PM_{10}	Lake Montebello* (Urban, no poultry operations)	N/A	N/A	N/A	N/A
	Princess Anne (Low poultry operation density)	12.1	11.8	22.3	6
	Pocomoke City (High poultry operation density)	11.1	10.4	21.9	6.4

* Lake Montebello station measures PM_{10} with an FRM manual filter method. Data, when available, will be included on the project-to-date summaries.

NAAQS: National Ambient Air Quality Standards