

Lower Eastern Shore Air Monitoring Project - December 2021 Summary

December 2021 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)	6	5.9	18.8	-0.1
	Princess Anne (Low poultry operation density)	4.1	4	8.9	0.9
	Pocomoke City (High poultry operation density)	6.5	5.5	53.8	-1

December 2021 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}	Oldtown (Urban, no poultry operations)	9.3	9.9	15.4	1.9
	Princess Anne (Low poultry operation density)	8.5	8	15	3.2
	Pocomoke City (High poultry operation density)	8	7.9	14.9	3.1

December 2021 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	Princess Anne (Low poultry operation density)	13.8	14.1	22.4	5.7
	Pocomoke City (High poultry operation density)	12.8	12.3	21.7	5.6

* As of November 19, 2021, the Oldtown NH₃ analyzer has been moved to Baltimore County Near Road station.

NAAQS: National Ambient Air Quality Standards