

Lower Eastern Shore Air Monitoring Project - May 2021 Summary

May 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	Oldtown (Urban, no poultry operations)	7	7.2	19.5	1.1
	Horn Point* (Rural, no poultry operations)	2.3	2.2	4.9	0.7
	Princess Anne (Low poultry operation density)	3.6	3.6	10.6	0.8
	Pocomoke City (High poultry operation density)	16.3	12.9	106.4	3.2

May 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)	5.6	6.5	13.2	1.2
	Horn Point (Rural, no poultry operations)	5.3	4.8	11.4	1
	Princess Anne (Low poultry operation density)	6.6	6.1	15	1.5
	Pocomoke City (High poultry operation density)	6.5	5.8	12.7	1.9

May 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	Oldtown (Urban, no poultry operations)	NA	NA	NA	NA
	Horn Point (Rural, no poultry operations)	NA	NA	NA	NA
	Princess Anne (Low poultry operation density)	14.3	12.7	29	3.2
	Pocomoke City (High poultry operation density)	14.2	12.6	23.6	4.2

NAAQS: National Ambient Air Quality Standards

* Ammonia sampling at Horn Point was discontinued on May 14, 2021.