

Lower Eastern Shore Air Monitoring Project - October 2021 Summary

October 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)	7.2	7.1	18.8	1.9
	Princess Anne (Low poultry operation density)	1.9	1.6	14.6	-0.3
	Pocomoke City (High poultry operation density)	5.4	4.6	31.4	0.1

October 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)	4.8	4.3	13.6	0.7
	Princess Anne (Low poultry operation density)	6.4	6	12.4	2.4
	Pocomoke City (High poultry operation density)	5.6	5.3	10.3	2.7

October 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
	Princess Anne (Low poultry operation density)	12.9	12.2	22.2	6.3
	Pocomoke City (High poultry operation density)	11.7	11.6	18.3	6.6

NAAQS: National Ambient Air Quality Standards