

Lower Eastern Shore Air Monitoring Project – April 2020-February 2021 Summary

April 2020 – February 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)	6.5	6.3	26.9	-0.1
	Horn Point (Rural, no poultry operations)	2.2	2.1	9.4	0.3
	Princess Anne (Low poultry operation density)	6.3	4.5	123.6	0
	Pocomoke City (High poultry operation density)	11	8	177.8	0.2

April 2020 – February 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)	6.7	6	25.1	0.8
	Horn Point (Rural, no poultry operations)	4.8	4.5	16.7	-1
	Princess Anne (Low poultry operation density)	7.3	6.7	24.6	2
	Pocomoke City (High poultry operation density)	7	6.6	22.6	2

April 2020 – February 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)	14.2	12.2	36.5	2.6
	Horn Point* (Rural, no poultry operations)	7.9	7	19.9	1.2
	Princess Anne (Low poultry operation density)	13.6	13.1	35.8	4
	Pocomoke City (High poultry operation density)	13.7	13.2	29.5	4.5

*Oldtown and Horn Point stations measure PM₁₀ with an FRM manual filter method. Values shown are through January 31, 2021.

NAAQS: National Ambient Air Quality Standards