

Lower Eastern Shore Air Monitoring Project – April-October 2020 Summary

April-October 2020 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)	6.7	6.6	24.2	0.7
	Horn Point (Rural, no poultry operations)	2.4	2.4	9.4	0.5
	Princess Anne (Low poultry operation density)	5.6	4.3	123.6	0.0
	Pocomoke City (High poultry operation density)	11.6	8.7	177.8	0.2

April-October 2020 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)	5.7	5.5	20.0	1.1
	Horn Point (Rural, no poultry operations)	4.0	3.7	11.5	-1
	Princess Anne (Low poultry operation density)	7.2	6.8	17.6	2.1
	Pocomoke City (High poultry operation density)	6.8	6.5	15.6	2.4

April-October 2020 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)	12.7	12.4	23.1	3
	Horn Point* (Rural, no poultry operations)	9.7	9.6	19.9	2.2
	Princess Anne (Low poultry operation density)	14.9	14.1	35.8	4.3
	Pocomoke City (High poultry operation density)	14.6	14.0	29.5	5.0

*Oldtown and Horn Point stations measure PM₁₀ with an FRM manual filter method. Values shown are through Sept 1.

NAAQS: National Ambient Air Quality Standards