

LES Air Monitoring Project Summary - April through August 2020

April - August 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)	6.5	6.6	24.2	0.7
	Horn Point (Rural, no poultry operations)	2.5	2.5	9.4	0.5
	Princess Anne (Low poultry operation density)	6.4	4.9	123.6	1.2
	Pocomoke City (High poultry operation density)	12	9.2	177.8	1.4

April - August 2020 Data Summary for PM_{2.5}

NAAQS PM_{2.5} 24-hour standard = 35 ug/m³

Parameter	Site	Average 24 hour value (ug/m ³)	Median 24 hour value (ug/m ³)	Maximum 24 hour value (ug/m ³)	Minimum 24 hour value (ug/m ³)
PM _{2.5}	Oldtown (Urban, no poultry operations)	5.8	5.6	20	0.8
	Horn Point (Rural, no poultry operations)	4.5	4.2	11.5	0.5
	Princess Anne (Low poultry operation density)	7.7	7.5	17.6	2.9
	Pocomoke City (High poultry operation density)	7.2	7	15.6	2.8

April - August 2020 Data Summary for PM₁₀

NAAQS PM₁₀ 24-hour standard = 150 ug/m³

Parameter	Site	Average 24 hour value (ug/m ³)	Median 24 hour value (ug/m ³)	Maximum 24 hour value (ug/m ³)	Minimum 24 hour value (ug/m ³)
PM ₁₀	Oldtown* (Urban, no poultry operations)	11.8	12.1	23.1	3.0
	Horn Point* (Rural, no poultry operations)	8.6	8.4	19.9	2.1
	Princess Anne (Low poultry operation density)	14	14	35	5
	Pocomoke City (High poultry operation density)	14	14	29	5

*Oldtown and Horn Point stations measure PM₁₀ with an FRM manual filter method. Values shown are through July 2.

NAAQS: National Ambient Air Quality Standards