Lower Eastern Shore Air Monitoring Project – April 2020 – October 2026 Summary

April 2020 – October 2026 Data Summary for NH_3 (MDE 1-hour screening level = 350 ppb)

Site	Average hourly value (ppb)	Median hourly value (ppb)	Maximum hourly value (ppb)	Minimum hourly value (ppb)	% complete
Princess Anne (Low poultry operation density)	4.1	3.5	336.2	-1	91
Pocomoke City (High poultry operation density)	10.6	7.9	544.1	-1.4	90

April 2020 – October 2026 Data Summary for $PM_{2.5}$ (NAAQS PM2.5 24-hour standard = 35 μg/m3)

Site	Average 24-hr value ($\mu g/m^3$)	Median 24-hr value ($\mu g/m^3$)	Maximum 24-hr value ($\mu g/m^3$)	Minimum 24-hr value ($\mu g/m^3$)	% complete
Lake Montebello* (Urban, no poultry operations)	7.5	6.6	114.7	-1.2	95
Princess Anne (Low poultry operation density)	7	6.2	131.6	0.5	93
Pocomoke City (High poultry operation density)	6.6	5.8	109.8	0.9	85

** $PM_{2.5}$ measurements began at Lake Montebello on January 1, 2022.*

April 2020 – October 2026 Data Summary for PM_{10} (NAAQS PM10 24-hour standard = 150 μg/m3)

Site	Average 24-hr value ($\mu g/m^3$)	Median 24-hr value ($\mu g/m^3$)	Maximum 24-hr value ($\mu g/m^3$)	Minimum 24-hr value ($\mu g/m^3$)	% complete
Lake Montebello* (Urban, no poultry operations)	12.6	11.1	101.1	2.8	100
Princess Anne (Low poultry operation density)	12.7	12	160.2	1	93
Pocomoke City (High poultry operation density)	12.3	12.3	131.4	1.1	85

NAAQS: National Ambient Air Quality Standards

** PM_{10} measurements began at Lake Montebello on January 17, 2022, where measurements are taken using an FRM manual filter method. Data presented here are through July 1, 2026.*

Note: Preliminary data – subject to change.

Lower Eastern Shore Air Monitoring Project – Full Period of Record Data Summaries for Inactive Sites

Full Period of Record Data Summary for inactive NH_3 sites

Site	Average hourly value (ppb)	Median hourly value (ppb)	Maximum hourly value (ppb)	Minimum hourly value (ppb)	% complete
Horn Point* (Rural, no poultry operations)	2.1	2.1	9.4	0.1	87
Oldtown** (Urban, no poultry operations)	6.8	7	27.1	-0.1	90
Harmony*** (High poultry operation density)	6.5	5.7	75.5	-0.5	91
Baltimore Co. NR**** (Urban, no poultry operations)	6.2	5.4	31.5	-3.1	90

Full Period of Record Data Summary for inactive $PM_{2.5}$ sites

Site	Average 24-hr value ($\mu g/m^3$)	Median 24-hr value ($\mu g/m^3$)	Maximum 24-hr value ($\mu g/m^3$)	Minimum 24-hr value ($\mu g/m^3$)	% complete
Horn Point* (Rural, no poultry operations)	5	4.7	16.7	-1	95
Oldtown** (Urban, no poultry operations)	7.1	6.4	28.7	0.7	93
Harmony*** (High poultry operation density)	6.4	5.6	22.1	1	99

Full Period of Record Data Summary for inactive PM_{10} sites

Site	Average 24-hr value ($\mu g/m^3$)	Median 24-hr value ($\mu g/m^3$)	Maximum 24-hr value ($\mu g/m^3$)	Minimum 24-hr value ($\mu g/m^3$)	% complete
Horn Point* (Rural, no poultry operations)	8.1	7	20	1.2	100
Oldtown** (Urban, no poultry operations)	13	12	40	2.6	100
Harmony*** (High poultry operation density)	13.4	12.7	37.9	2.6	95

* As of May 14, 2021, NH_3 and PM_{10} measurements at Horn Point have been discontinued.

** As of November 19, 2021, NH_3 and PM_{10} measurements at Oldtown have been discontinued; During January 2022, $PM_{2.5}$ was moved from Oldtown to Lake Montebello.

***As of March 31, 2026, NH_3, $PM_{2.5}$, and PM_{10} measurements at Harmony have been discontinued.

****As of July 23, 2026, NH3 measurements at BCNR have been discontinued.