

## Lower Eastern Shore Air Monitoring Project – June 2025 Summary

### June 2025 Data Summary for NH<sub>3</sub>

**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 <sub>3</sub>	Baltimore Co. NR (Urban, no poultry operations)	5.3	5.2	12.9	0.6
	Princess Anne (Low poultry operation density)	4.5	4.1	16.7	1.1
	Pocomoke City (High poultry operation density)	9.6	8	35.5	1.8
	Harmony (High poultry operation density)	11.9	10.4	74.9	1

### June 2025 Data Summary for PM<sub>2.5</sub>

**NAAQS PM<sub>2.5</sub> 24-hour standard = 35 µg/m<sup>3</sup>**

Parameter	Site	Average 24-hr value (µg/m <sup>3</sup> )	Median 24-hr value (µg/m <sup>3</sup> )	Maximum 24-hr value (µg/m <sup>3</sup> )	Minimum 24-hr value (µg/m <sup>3</sup> )
PM <sub>2.5</sub>	Lake Montebello (Urban, no poultry operations)	9.1	7.8	24.9	3.3
	Princess Anne (Low poultry operation density)	8.8	7.7	17.4	3.6
	Pocomoke City* (High poultry operation density)	2.9	2.9	2.9	2.9
	Harmony (High poultry operation density)	8.9	7.8	22.1	3.2

NAAQS: National Ambient Air Quality Standards

\*Low data capture due to malfunctioning analyzer. Only one 24-hour sample collected in June 2025.

### June 2025 Data Summary for PM<sub>10</sub>

**NAAQS PM<sub>10</sub> 24-hour standard = 150 µg/m<sup>3</sup>**

Parameter	Site	Average 24-hr value (µg/m <sup>3</sup> )	Median 24-hr value (µg/m <sup>3</sup> )	Maximum 24-hr value (µg/m <sup>3</sup> )	Minimum 24-hr value (µg/m <sup>3</sup> )
PM <sub>10</sub>	Lake Montebello* (Urban, no poultry operations)	NA	NA	NA	NA
	Princess Anne (Low poultry operation density)	16.2	14.5	32.2	7.9
	Pocomoke City** (High poultry operation density)	4.1	4.1	4.1	4.1
	Harmony (High poultry operation density)	18.5	15	18.5	7.2

NAAQS: National Ambient Air Quality Standards

\* PM<sub>10</sub> measurements began at Lake Montebello on January 17, 2022, where measurements are taken using an FRM manual filter method. Data are included in the project-to-date summaries. Preliminary data - subject to change.

\*\*Low data capture due to malfunctioning analyzer. Only one 24-hour sample collected in June 2025.