

## Lower Eastern Shore Air Monitoring Project – February 2024 Summary

### February 2024 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)	7	6.9	19.9	0.9
	Princess Anne (Low poultry operation density)	2.9	2.8	9.5	-0.5
	Pocomoke City (High poultry operation density)	7.4	5.4	81.9	-0.1

### February 2024 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)	7.7	7.2	17.6	2.7
	Princess Anne (Low poultry operation density)	6.9	5.9	19.2	2.9
	Pocomoke City (High poultry operation density)	7.3	5.9	19	2.9

NAAQS: National Ambient Air Quality Standards

\* The T640x instrument at Pocomoke City experienced a mechanical breakdown. Repairs are under way.

### February 2024 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)	11.2	10.3	24.5	4.5
	Pocomoke City (High poultry operation density)	12.6	11.2	25.2	5.2

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 on the project-to-data summaries

\*\* The T640x instrument at Pocomoke City experienced a mechanical breakdown. Repairs are under way.

Note: Preliminary data – subject to change.