

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

### January 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)	6.2	5.1	24.8	-1.2
	Princess Anne (Low poultry operation density)	1.9	1.6	13.9	-0.2
	Pocomoke City (High poultry operation density)	8.5	4.9	102.1	-1

### January 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)	7.4	5.9	22.4	1.4
	Princess Anne (Low poultry operation density)	5.2	4.7	11.2	1.7
	Pocomoke City (High poultry operation density)	--*	--	--	--

NAAQS: National Ambient Air Quality Standards

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

### January 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)	8.1	8	16.7	3.1
	Pocomoke City (High poultry operation density)	--**	--	--	--

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.