

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

### April 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)	6.3	5.9	19.7	1
	Princess Anne (Low poultry operation density)	4	4	11.2	0.3
	Pocomoke City (High poultry operation density)	7.9	5.9	110.3	0.1

### April 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)	5.8	5	11.8	1
	Princess Anne (Low poultry operation density)	6	5.7	14.2	1.7
	Pocomoke City (High poultry operation density)	5.7	5.8	12.2	1.7

NAAQS: National Ambient Air Quality Standards

### April 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)	12.2	12.4	22.5	2.9
	Pocomoke City (High poultry operation density)	12.3	11.8	21.3	2.8

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