

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

### November 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)	5.8	5.6	14.5	0.1
	Princess Anne (Low poultry operation density)	2.6	2.5	6.5	0.4
	Pocomoke City (High poultry operation density)	8	5.4	104.4	-0.4
	Harmony (High poultry operation density)	4.7	3.8	26.7	0.3

NAAQS: National Ambient Air Quality Standards

### November 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)	6.2	5.9	15.5	1.2
	Princess Anne (Low poultry operation density)	5.1	4.6	14.5	0.9
	Pocomoke City* (High poultry operation density)	5.8	4.6	18.6	1.9
	Harmony (High poultry operation density)	5.2	4.9	10.4	1.3

NAAQS: National Ambient Air Quality Standards

### November 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)	9.6	9.1	19.8	2.2
	Pocomoke City* (High poultry operation density)	11.2	9.5	24.4	3.8
	Harmony (High poultry operation density)	11.9	11.2	32.2	2.6

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.