

## Lower Eastern Shore Air Monitoring Project – May 2022 Summary

### May 2022 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)	5.4	5.1	15.6	-0.1
	Princess Anne (Low poultry operation density)	3.7	3.6	14.4	0.8
	Pocomoke City (High poultry operation density)	12.2	8.6	186.5	1.1

NAAQS: National Ambient Air Quality Standards

### May 2022 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)	5.5	4.5	13.4	0
	Princess Anne (Low poultry operation density)	7.7	6.4	20.2	3.9
	Pocomoke City * (High poultry operation density)	6.7	6.2	11.7	4.2

NAAQS: National Ambient Air Quality Standards

\* A failed flow check on 6/1 resulted in a loss of data

### May 2022 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)	16.1	15	31	8.8
	Pocomoke City (High poultry operation density)	13.4	13.8	19.8	9.9

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

\*\* A failed flow check on 6/1 resulted in a loss of data