Lower Eastern Shore Air Monitoring Project – April 2023 Summary

April 2023 Data Summary for NH$_3$ **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$_3$	Baltimore Co. NR (Urban, no poultry operations)	6.5	6	18.4	0.7
	Princess Anne (Low poultry operation density)	3.6	3.4	16.1	-0.1
	Pocomoke City (High poultry operation density)	8.8	7.3	69.8	1

April 2023 Data Summary for PM$_{2.5}$ **NAAQS PM$_{2.5}$ 24-hour standard = 35 μg/m^3**

Parameter	Site	Average 24-hr value (μg/m^3)	Median 24-hr value (μg/m^3)	Maximum 24-hr value (μg/m^3)	Minimum 24-hr value (μg/m^3)
PM$_{2.5}$	Lake Montebello (Urban, no poultry operations)	7.1	6.7	14.5	2.6
	Princess Anne (Low poultry operation density)	7.7	7.2	16.4	3.9
	Pocomoke City (High poultry operation density)	7	6.2	13.2	3.6

NAAQS: National Ambient Air Quality Standards

April 2023 Data Summary for PM$_{10}$ **NAAQS PM$_{10}$ 24-hour standard = 150 μg/m^3**

Parameter	Site	Average 24-hr value (μg/m^3)	Median 24-hr value (μg/m^3)	Maximum 24-hr value (μg/m^3)	Minimum 24-hr value (μg/m^3)
PM$_{10}$	Lake Montebello* (Urban, no poultry operations)	NA	NA	NA	NA
	Princess Anne (Low poultry operation density)	15.7	15.1	33.1	7.5
	Pocomoke City (High poultry operation density)	15	14	26.7	7.7

NAAQS: National Ambient Air Quality Standards

* PM$_{10}$ 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

Note: Preliminary data – subject to change.