Lower Eastern Shore Air Monitoring Project – July 2024 Summary

July 2024 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)	6.3	6.2	15.4	2.4
	Princess Anne (Low poultry operation density)	5.7	5	13.7	2.8
	Pocomoke City (High poultry operation density)	13.6	10.4	161.5	3.2
	Harmony (High poultry operation density)	9.5	8.4	38.6	2.4

NAAQS: National Ambient Air Quality Standards

July 2024 Data Summary for $PM_{2.5}$ **NAAQS $PM_{2.5}$ 24-hour standard = 35 $\mu g/m^3$**

Parameter	Site	Average 24-hr value ($\mu g/m^3$)	Median 24-hr value ($\mu g/m^3$)	Maximum 24-hr value ($\mu g/m^3$)	Minimum 24-hr value ($\mu g/m^3$)
$PM_{2.5}$	Lake Montebello (Urban, no poultry operations)	7.3	7.1	19.8	0.5
	Princess Anne (Low poultry operation density)	8.0	5.9	17.4	2.7
	Pocomoke City (High poultry operation density)	8.6	6	25.2	3.6
	Harmony (High poultry operation density)	7.2	7.5	13.6	2.1

NAAQS: National Ambient Air Quality Standards

July 2024 Data Summary for PM_{10} **NAAQS PM_{10} 24-hour standard = 150 $\mu g/m^3$**

Parameter	Site	Average 24-hr value ($\mu g/m^3$)	Median 24-hr value ($\mu g/m^3$)	Maximum 24-hr value ($\mu g/m^3$)	Minimum 24-hr value ($\mu g/m^3$)
PM_{10}	Lake Montebello* (Urban, no poultry operations)	NA	NA	NA	NA
	Princess Anne (Low poultry operation density)	14.2	13.8	24.1	7.6
	Pocomoke City (High poultry operation density)	15	12	32.7	8.7
	Harmony (High poultry operation density)	15.4	16.1	23.6	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 in the project-to-date summaries.* Preliminary data - subject to change.