

## Lower Eastern Shore Air Monitoring Project – July 2026 Summary

July 2026 Data Summary for NH<sub>3</sub> (MDE 1-hour screening level = 350 ppb)

| Site                                               | Average hourly value (ppb) | Median hourly value (ppb) | Maximum hourly value (ppb) | Minimum hourly value (ppb) | % complete |
|----------------------------------------------------|----------------------------|---------------------------|----------------------------|----------------------------|------------|
| Baltimore Co. NR<br>(Urban, no poultry operations) | 8.2                        | 6.7                       | 31.5                       | 3.2                        | 69         |
| Princess Anne<br>(Low poultry operation density)   | 15.4                       | 9.2                       | 162.3                      | 2.4                        | 94         |
| Pocomoke City<br>(High poultry operation density)  | 15.8                       | 13.5                      | 64.2                       | 6.4                        | 94         |

Note: BCNR NH<sub>3</sub> was shut down on 7/23/2026.

July 2026 Data Summary for PM<sub>2.5</sub> (NAAQS\* PM<sub>2.5</sub> 24-hour standard = 35 µg/m<sup>3</sup>)

| 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> ) | % complete |
|-----------------------------------------------------|------------------------------------------|-----------------------------------------|------------------------------------------|------------------------------------------|------------|
| Lake Montebello**<br>(Urban, no poultry operations) | 16.2                                     | 9.8                                     | 114.7                                    | 4.7                                      | 100        |
| Princess Anne<br>(Low poultry operation density)    | 11.2                                     | 6.5                                     | 84.1                                     | 3                                        | 94         |
| Pocomoke City<br>(High poultry operation density)   | No data                                  | No data                                 | No data                                  | No data                                  | 0          |

Note: Pocomoke City T640x failed a precision check resulting in data loss.

July 2026 Data Summary for PM<sub>10</sub> (NAAQS\* PM<sub>10</sub> 24-hour standard = 150 µg/m<sup>3</sup>)

| 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> ) | % complete |
|-----------------------------------------------------|------------------------------------------|-----------------------------------------|------------------------------------------|------------------------------------------|------------|
| Lake Montebello**<br>(Urban, no poultry operations) | NA                                       | NA                                      | NA                                       | NA                                       | NA         |
| Princess Anne<br>(Low poultry operation density)    | 14.3                                     | 8.3                                     | 103                                      | 4.3                                      | 94         |
| Pocomoke City<br>(High poultry operation density)   | No data                                  | No data                                 | No data                                  | No data                                  | 0          |

\* NAAQS: National Ambient Air Quality Standards

\*\* PM<sub>2.5</sub> and PM<sub>10</sub> measurements began at Lake Montebello in January 2022, where PM<sub>2.5</sub> measurements are obtained with a continuous MetOne BAM1020 and PM<sub>10</sub> measurements are taken using an FRM manual filter method. Data are included in the project-to-date summaries. Preliminary data - subject to change.