

## LES Air Monitoring Project - June 2020 Summary

### June 2020 Data Summary for NH3

**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) |
|-----------|---|----------------------------|---------------------------|----------------------------|----------------------------|
| NH3       | Oldtown<br>(Urban, no poultry operations)         | 7.4                        | 7.4                       | 14.6                       | 2.5                        |
|           | Horn Point<br>(Rural, no poultry operations)      | 3.5                        | 3.4                       | 9.4                        | 1.9                        |
|           | Princess Anne<br>(Low poultry operation density)  | 4.3                        | 4.2                       | 11.1                       | 1.6                        |
|           | Pocomoke City<br>(High poultry operation density) | 10.8                       | 9.3                       | 69.1                       | 4.8                        |

### June 2020 Data Summary for PM2.5

**NAAQS PM2.5 24 hour standard = 35 ug/m3**

| Parameter | Site  | Average 24 hour value (ug/m3) | Median 24 hour value (ug/m3) | Maximum 24 hour value (ug/m3) | Minimum 24 hour value (ug/m3) |
|-----------|---|-------------------------------|------------------------------|-------------------------------|-------------------------------|
| PM2.5     | Oldtown<br>(Urban, no poultry operations)         | 6.3                           | 6.1                          | 12.1                          | 3                             |
|           | Horn Point<br>(Rural, no poultry operations)      | 4.7                           | 4.4                          | 10                            | 0.5                           |
|           | Princess Anne<br>(Low poultry operation density)  | 8.6                           | 8.0                          | 17.6                          | 4.3                           |
|           | Pocomoke City<br>(High poultry operation density) | 7.5                           | 6.9                          | 15.6                          | 3.5                           |

### June 2020 Data Summary for PM10

**NAAQS PM10 24 hour standard = 150 ug/m3**

| Parameter | Site  | Average 24 hour value (ug/m3) | Median 24 hour value (ug/m3) | Maximum 24 hour value (ug/m3) | Minimum 24 hour value (ug/m3) |
|-----------|---|-------------------------------|------------------------------|-------------------------------|-------------------------------|
| PM10      | Oldtown<br>(Urban, no poultry operations)         | NA                            | NA                           | NA                            | NA                            |
|           | Horn Point<br>(Rural, no poultry operations)      | NA                            | NA                           | NA                            | NA                            |
|           | Princess Anne<br>(Low poultry operation density)  | 16                            | 15                           | 30                            | 9                             |
|           | Pocomoke City<br>(High poultry operation density) | 14                            | 13                           | 23                            | 8                             |