



# COMPLIANCE SUMMARY REPORT

Date 1/2/22

Plant Wheelabrator North Andover  
 Unit Unit 1  
 Source Outlet

FMP

| Date     | Hour | On-Line Minutes | O2            |        | NOx             |        | SO2             |        |                |        | CO      |        |                 |        | Carbon Feed |        | FF Temp (deg F) |            | Steam Klbs/Hr |            |           |
|----------|------|-----------------|---------------|--------|-----------------|--------|-----------------|--------|----------------|--------|---------|--------|-----------------|--------|-------------|--------|-----------------|------------|---------------|------------|-----------|
|          |      |                 | Out Vol % Dry | Status | Outlet ppm 7%O2 | Status | Outlet ppm 7%O2 | Status | Inlet ppm 7%O2 | Status | Removal | Status | Outlet ppm 7%O2 | Status | 4 Hr Block  | Status | Lbs/Hr Avg.     | 8 Hr Block | 1 Hr Avg.     | 4 Hr Block | 1 Hr Avg. |
| 1/2/2022 | 0    | 60              | 10.8          |        | 187             |        | 41              |        | 50             |        | 19      |        | 2               |        |             | 15     |                 | 301        |               | 162.8      |           |
| 1/2/2022 | 1    | 60              | 10.7          |        | 191             |        | 38              |        | 43             |        | 10      |        | 2               |        |             | 14     |                 | 312        |               | 165.1      |           |
| 1/2/2022 | 2    | 60              | 10.8          |        | 193             |        | 47              |        | 59             |        | 20      |        | 2               |        |             | 14     |                 | 305        |               | 165.6      |           |
| 1/2/2022 | 3    | 60              | 10.6          |        | 187             |        | 16              |        | 50             |        | 67      |        | 2               | 2      |             | 14     |                 | 311        | 307           | 167.1      | 165.1     |
| 1/2/2022 | 4    | 60              | 9.5           |        | 176             |        | 3               |        | 65             |        | 95      |        | 11              |        |             | 14     |                 | 313        |               | 177.8      |           |
| 1/2/2022 | 5    | 60              | 10.7          |        | 191             |        | 9               |        | 16             |        | 44      |        | 4               |        |             | 14     |                 | 305        |               | 160.8      |           |
| 1/2/2022 | 6    | 60              | 10.2          |        | 172             |        | 16              |        | 18             |        | 6       |        | 4               |        |             | 15     |                 | 316        |               | 162.5      |           |
| 1/2/2022 | 7    | 60              | 10.5          |        | 192             |        | 11              |        | 44             |        | 74      |        | 5               | 6      |             | 15     | 14              | 308        | 311           | 163.7      | 166.2     |
| 1/2/2022 | 8    | 60              | 10.0          |        | 175             |        | 27              |        | 48             |        | 43      |        | 4               |        |             | 15     |                 | 306        |               | 169.0      |           |
| 1/2/2022 | 9    | 60              | 10.3          |        | 189             |        | 6               |        | 40             |        | 84      |        | 5               |        |             | 14     |                 | 308        |               | 169.3      |           |
| 1/2/2022 | 10   | 60              | 10.2          |        | 186             |        | 13              |        | 41             |        | 68      |        | 4               |        |             | 15     |                 | 304        |               | 167.7      |           |
| 1/2/2022 | 11   | 60              | 10.3          |        | 190             |        | 20              |        | 36             |        | 44      |        | 4               | 4      |             | 15     |                 | 311        | 307           | 166.3      | 168.1     |
| 1/2/2022 | 12   | 60              | 10.1          |        | 182             |        | 15              |        | 35             |        | 58      |        | 4               |        |             | 15     |                 | 316        |               | 168.7      |           |
| 1/2/2022 | 13   | 60              | 10.5          |        | 188             |        | 3               |        | 36             |        | 90      |        | 5               |        |             | 15     |                 | 310        |               | 164.4      |           |
| 1/2/2022 | 14   | 60              | 10.2          |        | 179             |        | 3               |        | 42             |        | 93      |        | 6               |        |             | 14     |                 | 307        |               | 165.6      |           |
| 1/2/2022 | 15   | 60              | 10.4          |        | 193             |        | 4               |        | 34             |        | 90      |        | 4               | 5      |             | 15     | 15              | 311        | 311           | 167.3      | 166.5     |
| 1/2/2022 | 16   | 60              | 10.3          |        | 184             |        | 4               |        | 43             |        | 91      |        | 5               |        |             | 15     |                 | 308        |               | 162.1      |           |
| 1/2/2022 | 17   | 60              | 10.0          |        | 175             |        | 16              |        | 52             |        | 70      |        | 4               |        |             | 15     |                 | 301        |               | 170.1      |           |
| 1/2/2022 | 18   | 60              | 10.8          |        | 188             |        | 42              |        | 57             |        | 26      |        | 7               |        |             | 15     |                 | 308        |               | 156.2      |           |
| 1/2/2022 | 19   | 60              | 10.7          |        | 180             |        | 42              |        | 52             |        | 19      |        | 7               | 6      |             | 15     |                 | 308        | 306           | 152.0      | 160.1     |
| 1/2/2022 | 20   | 60              | 10.4          |        | 187             |        | 11              |        | 31             |        | 62      |        | 6               |        |             | 14     |                 | 322        |               | 165.0      |           |
| 1/2/2022 | 21   | 60              | 10.4          |        | 182             |        | 3               |        | 33             |        | 91      |        | 4               |        |             | 14     |                 | 312        |               | 165.3      |           |
| 1/2/2022 | 22   | 60              | 10.2          |        | 193             |        | 25              |        | 49             |        | 49      |        | 4               |        |             | 15     |                 | 312        |               | 167.4      |           |
| 1/2/2022 | 23   | 60              | 10.1          |        | 177             |        | 25              |        | 40             |        | 37      |        | 5               | 5      |             | 15     | 15              | 311        | 314           | 167.1      | 166.2     |

Average:  
Geometric Mean Average:

Limit:

|                           |                              |
|---------------------------|------------------------------|
| <b>185</b>                | <b>13</b>                    |
| ≤ 205<br>24-HR Block Avg. | ≤ 29<br>24-HR Geometric Mean |

|                             |
|-----------------------------|
| <b>68</b>                   |
| ≥ 75%<br>Removal Efficiency |

OR

|                                 |
|---------------------------------|
| see above                       |
| ≤ 69 ppmc<br>4-HR Block Average |

|                                   |
|-----------------------------------|
| see above                         |
| ≤ 12 lb/hr<br>8-HR. Block Average |

|                                |
|--------------------------------|
| see above                      |
| ≤ 345 °F<br>4-HR Block Average |

|                                    |
|------------------------------------|
| see above                          |
| ≤ 173 klb/hr<br>4-HR Block Average |

Status Flags

- I - Invalid
- B - Bad
- C - Calibration
- M - Maintenance
- F - Offline
- P - Purge
- T - Out of Control
- E - Excluded
- ^ - Startup
- \* - Shutdown



# COMPLIANCE SUMMARY REPORT

Date 1/2/22

Plant Wheelabrator North Andover  
 Unit Unit 2  
 Source Outlet

FMP

| Date     | Hour | On-Line Minutes | O2            |        | NOx             |        | SO2             |        |                |        | CO      |        |                 |        | Carbon Feed |        | FF Temp (deg F) |            | Steam Klbs/Hr |            |
|----------|------|-----------------|---------------|--------|-----------------|--------|-----------------|--------|----------------|--------|---------|--------|-----------------|--------|-------------|--------|-----------------|------------|---------------|------------|
|          |      |                 | Out Vol % Dry | Status | Outlet ppm 7%O2 | Status | Outlet ppm 7%O2 | Status | Inlet ppm 7%O2 | Status | Removal | Status | Outlet ppm 7%O2 | Status | 4 Hr Block  | Status | Lbs/Hr Avg.     | 8 Hr Block | 1 Hr Avg.     | 4 Hr Block |
| 1/2/2022 | 0    | 60              | 10.4          |        | 169             |        | 22              |        | 60             |        | 64      |        | 2               |        | 13          |        | 310             |            | 164.9         |            |
| 1/2/2022 | 1    | 60              | 10.4          |        | 168             |        | 23              |        | 69             |        | 67      |        | 1               |        | 12          |        | 310             |            | 167.1         |            |
| 1/2/2022 | 2    | 60              | 10.2          |        | 165             |        | 26              |        | 78             |        | 66      |        | 2               |        | 12          |        | 310             |            | 165.8         |            |
| 1/2/2022 | 3    | 60              | 10.3          |        | 164             |        | 25              |        | 77             |        | 68      |        | 2               | 2      | 11          |        | 310             | 310        | 164.8         | 165.6      |
| 1/2/2022 | 4    | 60              | 10.0          |        | 164             |        | 15              |        | 72             |        | 78      |        | 1               |        | 15          |        | 310             |            | 166.9         |            |
| 1/2/2022 | 5    | 60              | 10.3          |        | 173             |        | 18              |        | 36             |        | 50      |        | 3               |        | 15          |        | 310             |            | 164.7         |            |
| 1/2/2022 | 6    | 60              | 10.1          |        | 163             |        | 22              |        | 38             |        | 41      |        | 2               |        | 14          |        | 310             |            | 167.1         |            |
| 1/2/2022 | 7    | 60              | 10.1          |        | 174             |        | 22              |        | 56             |        | 61      |        | 2               | 2      | 14          | 13     | 310             | 310        | 166.2         | 166.2      |
| 1/2/2022 | 8    | 60              | 10.2          |        | 147             |        | 24              |        | 63             |        | 63      |        | 4               |        | 14          |        | 310             |            | 166.3         |            |
| 1/2/2022 | 9    | 60              | 10.2          |        | 154             |        | 20              |        | 55             |        | 63      |        | 3               |        | 14          |        | 310             |            | 165.2         |            |
| 1/2/2022 | 10   | 60              | 10.0          |        | 154             |        | 22              |        | 60             |        | 63      |        | 27              |        | 15          |        | 310             |            | 169.9         |            |
| 1/2/2022 | 11   | 60              | 10.4          |        | 160             |        | 18              |        | 48             |        | 63      |        | 4               | 9      | 14          |        | 310             | 310        | 165.7         | 166.8      |
| 1/2/2022 | 12   | 60              | 10.2          |        | 153             |        | 19              |        | 56             |        | 66      |        | 6               |        | 14          |        | 310             |            | 166.8         |            |
| 1/2/2022 | 13   | 60              | 10.5          |        | 180             |        | 20              |        | 65             |        | 69      |        | 2               |        | 14          |        | 310             |            | 165.9         |            |
| 1/2/2022 | 14   | 60              | 10.4          |        | 164             |        | 19              |        | 65             |        | 71      |        | 5               |        | 12          |        | 310             |            | 165.7         |            |
| 1/2/2022 | 15   | 60              | 10.4          |        | 175             |        | 18              |        | 61             |        | 70      |        | 2               | 4      | 14          | 14     | 310             | 310        | 166.4         | 166.2      |
| 1/2/2022 | 16   | 60              | 10.6          |        | 178             |        | 19              |        | 75             |        | 74      |        | 3               |        | 14          |        | 310             |            | 163.4         |            |
| 1/2/2022 | 17   | 60              | 10.0          |        | 177             |        | 18              |        | 71             |        | 75      |        | 7               |        | 15          |        | 310             |            | 167.2         |            |
| 1/2/2022 | 18   | 60              | 10.4          |        | 182             |        | 19              |        | 75             |        | 75      |        | 2               |        | 13          |        | 310             |            | 161.5         |            |
| 1/2/2022 | 19   | 60              | 10.3          |        | 181             |        | 19              |        | 70             |        | 74      |        | 3               | 4      | 14          |        | 310             | 310        | 164.4         | 164.1      |
| 1/2/2022 | 20   | 60              | 10.4          |        | 167             |        | 17              |        | 52             |        | 68      |        | 7               |        | 14          |        | 310             |            | 164.6         |            |
| 1/2/2022 | 21   | 60              | 10.2          |        | 171             |        | 21              |        | 62             |        | 66      |        | 1               |        | 14          |        | 310             |            | 166.0         |            |
| 1/2/2022 | 22   | 60              | 10.3          |        | 171             |        | 20              |        | 71             |        | 72      |        | 2               |        | 14          |        | 310             |            | 166.8         |            |
| 1/2/2022 | 23   | 60              | 10.2          |        | 177             |        | 20              |        | 69             |        | 71      |        | 1               | 3      | 14          | 14     | 310             | 310        | 166.0         | 165.9      |

Average:  
Geometric Mean Average:

Limit:

|                              |
|------------------------------|
| 168                          |
| 20                           |
| ≤ 205<br>24-HR Block Avg.    |
| ≤ 29<br>24-HR Geometric Mean |

OR

|                             |
|-----------------------------|
| 67                          |
| ≥ 75%<br>Removal Efficiency |

|                                 |
|---------------------------------|
| see above                       |
| ≤ 69 ppmc<br>4-HR Block Average |

|                                   |
|-----------------------------------|
| see above                         |
| ≤ 12 lb/hr<br>8-HR. Block Average |

|                                |
|--------------------------------|
| see above                      |
| ≤ 345 °F<br>4-HR Block Average |

|                                    |
|------------------------------------|
| see above                          |
| ≤ 173 klb/hr<br>4-HR Block Average |

Status Flags

- I - Invalid
- B - Bad
- C - Calibration
- M - Maintenance
- F - Offline
- P - Purge
- T - Out of Control
- E - Excluded
- ^ - Startup
- \* - Shutdown

# OPACITY REPORT

Date 02-Jan-2022

Plant Wheelabrator North Andover  
 Unit Unit 1  
 Source Outlet  
 PLC 192.168.2.42

Limit 10 %

| Time (hr) | 1-6 min | 7-12 min | 13-18 min | 19-24 min | 25-30 min | 31-36 min | 37-42 min | 43-48 min | 49-54 min | 55-60 min | Average |
|-----------|---------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|
| 0         | 1.3     | 1.3      | 1.3       | 1.3       | 1.2       | 1.2       | 1.2       | 1.2       | 1.2       | 1.2       | 1.2     |
| 1         | 1.2     | 1.2      | 1.2       | 1.3       | 1.3       | 1.2       | 1.2       | 1.3       | 1.2       | 1.3       | 1.2     |
| 2         | 1.3     | 1.3      | 1.3       | 1.3       | 1.3       | 1.3       | 1.3       | 1.3       | 1.3       | 1.2       | 1.3     |
| 3         | 1.2     | 1.2      | 1.2       | 1.2       | 1.3       | 1.2       | 1.3       | 1.3       | 1.2       | 1.3       | 1.2     |
| 4         | 1.2     | 1.2      | 1.2       | 1.2       | 1.2       | 1.3       | 1.3       | 1.3       | 1.3       | 1.3       | 1.2     |
| 5         | 1.3     | 1.3      | 1.2       | 1.2       | 1.2       | 1.2       | 1.2       | 1.2       | 1.2       | 1.3       | 1.2     |
| 6         | 1.8 IC  | 5.4 IC   | 1.3       | 1.3       | 1.2       | 1.2       | 1.2       | 1.2       | 1.2       | 1.2       | 1.8     |
| 7         | 1.2     | 1.2      | 1.2       | 1.2       | 1.2       | 1.2       | 1.2       | 1.2       | 1.2       | 1.2       | 1.2     |
| 8         | 1.2     | 1.2      | 1.3       | 1.3       | 1.3       | 1.3       | 1.3       | 1.3       | 1.2       | 1.2       | 1.3     |
| 9         | 1.2     | 1.3      | 1.3       | 1.3       | 1.3       | 1.3       | 1.3       | 1.3       | 1.2       | 1.2       | 1.3     |
| 10        | 1.2     | 1.2      | 1.3       | 1.3       | 1.3       | 1.3       | 1.3       | 1.3       | 1.3       | 1.3       | 1.3     |
| 11        | 1.3     | 1.3      | 1.3       | 1.3       | 1.3       | 1.3       | 1.3       | 1.3       | 1.3       | 1.3       | 1.3     |
| 12        | 1.3     | 1.3      | 1.3       | 1.3       | 1.3       | 1.3       | 1.3       | 1.3       | 1.3       | 1.3       | 1.3     |
| 13        | 1.3     | 1.3      | 1.3       | 1.2       | 1.2       | 1.2       | 1.2       | 1.2       | 1.2       | 1.2       | 1.2     |
| 14        | 1.2     | 1.2      | 1.2       | 1.3       | 1.2       | 1.2       | 1.2       | 1.2       | 1.2       | 1.2       | 1.2     |
| 15        | 1.2     | 1.2      | 1.3       | 1.3       | 1.3       | 1.2       | 1.2       | 1.2       | 1.2       | 1.2       | 1.2     |
| 16        | 1.2     | 1.2      | 1.2       | 1.2       | 1.2       | 1.2       | 1.2       | 1.2       | 1.2       | 1.2       | 1.2     |
| 17        | 1.2     | 1.2      | 1.2       | 1.2       | 1.2       | 1.2       | 1.2       | 1.3       | 1.2       | 1.2       | 1.2     |
| 18        | 1.2     | 1.2      | 1.2       | 1.2       | 1.2       | 1.2       | 1.2       | 1.2       | 1.2       | 1.2       | 1.2     |
| 19        | 1.2     | 1.2      | 1.2       | 1.2       | 1.2       | 1.2       | 1.1       | 1.1       | 1.1       | 1.2       | 1.2     |
| 20        | 1.2     | 1.2      | 1.2       | 1.2       | 1.2       | 1.2       | 1.2       | 1.2       | 1.2       | 1.2       | 1.2     |
| 21        | 1.2     | 1.2      | 1.2       | 1.2       | 1.2       | 1.2       | 1.2       | 1.2       | 1.2       | 1.2       | 1.2     |
| 22        | 1.2     | 1.2      | 1.2       | 1.2       | 1.2       | 1.2       | 1.2       | 1.2       | 1.2       | 1.2       | 1.2     |
| 23        | 1.2     | 1.2      | 1.2       | 1.2       | 1.2       | 1.2       | 1.2       | 1.3       | 1.2       | 1.2       | 1.2     |

# OPACITY REPORT

Date 02-Jan-2022

Plant Wheelabrator North Andover  
 Unit Unit 2  
 Source Outlet  
 PLC 192.168.2.44

Limit 10 %

| Time (hr) | 1-6 min | 7-12 min | 13-18 min | 19-24 min | 25-30 min | 31-36 min | 37-42 min | 43-48 min | 49-54 min | 55-60 min | Average |
|-----------|---------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|
| 0         | 1.6     | 1.6      | 1.6       | 1.6       | 1.6       | 1.6       | 1.6       | 1.6       | 1.6       | 1.6       | 1.6     |
| 1         | 1.6     | 1.6      | 1.6       | 1.6       | 1.6       | 1.6       | 1.6       | 1.6       | 1.6       | 1.6       | 1.6     |
| 2         | 1.6     | 1.6      | 1.6       | 1.6       | 1.6       | 1.6       | 1.6       | 1.6       | 1.6       | 1.6       | 1.6     |
| 3         | 1.6     | 1.6      | 1.6       | 1.6       | 1.6       | 1.6       | 1.6       | 1.6       | 1.6       | 1.6       | 1.6     |
| 4         | 1.6     | 1.6      | 1.6       | 1.6       | 1.6       | 1.6       | 1.6       | 1.6       | 1.6       | 1.6       | 1.6     |
| 5         | 1.6     | 1.6      | 1.6       | 1.6       | 1.6       | 1.6       | 1.6       | 1.6       | 1.6       | 1.6       | 1.6     |
| 6         | 2.0 IBC | 5.7 IBC  | 1.6       | 1.6       | 1.6       | 1.6       | 1.6       | 1.6       | 1.6       | 1.6       | 2.1     |
| 7         | 1.6     | 1.6      | 1.6       | 1.6       | 1.6       | 1.6       | 1.6       | 1.6       | 1.6       | 1.6       | 1.6     |
| 8         | 1.6     | 1.6      | 1.6       | 1.6       | 1.6       | 1.6       | 1.6       | 1.6       | 1.6       | 1.6       | 1.6     |
| 9         | 1.6     | 1.6      | 1.6       | 1.6       | 1.6       | 1.6       | 1.6       | 1.6       | 1.6       | 1.6       | 1.6     |
| 10        | 1.6     | 1.6      | 1.6       | 1.6       | 1.6       | 1.6       | 1.6       | 1.6       | 1.6       | 1.6       | 1.6     |
| 11        | 1.6     | 1.6      | 1.6       | 1.6       | 1.6       | 1.6       | 1.6       | 1.6       | 1.6       | 1.6       | 1.6     |
| 12        | 1.6     | 1.6      | 1.6       | 1.6       | 1.6       | 1.6       | 1.6       | 1.6       | 1.6       | 1.6       | 1.6     |
| 13        | 1.6     | 1.6      | 1.6       | 1.6       | 1.6       | 1.6       | 1.6       | 1.6       | 1.5       | 1.6       | 1.6     |
| 14        | 1.6     | 1.5      | 1.6       | 1.6       | 1.6       | 1.6       | 1.6       | 1.5       | 1.6       | 1.5       | 1.6     |
| 15        | 1.5     | 1.5      | 1.5       | 1.5       | 1.6       | 1.5       | 1.5       | 1.5       | 1.6       | 1.6       | 1.5     |
| 16        | 1.6     | 1.6      | 1.6       | 1.5       | 1.5       | 1.5       | 1.5       | 1.6       | 1.6       | 1.6       | 1.6     |
| 17        | 1.6     | 1.6      | 1.6       | 1.6       | 1.5       | 1.6       | 1.6       | 1.6       | 1.6       | 1.5       | 1.6     |
| 18        | 1.6     | 1.5      | 1.5       | 1.5       | 1.5       | 1.5       | 1.5       | 1.5       | 1.5       | 1.5       | 1.5     |
| 19        | 1.5     | 1.5      | 1.5       | 1.5       | 1.5       | 1.5       | 1.5       | 1.5       | 1.5       | 1.5       | 1.5     |
| 20        | 1.5     | 1.5      | 1.5       | 1.6       | 1.5       | 1.6       | 1.6       | 1.6       | 1.5       | 1.5       | 1.5     |
| 21        | 1.5     | 1.5      | 1.5       | 1.5       | 1.5       | 1.5       | 1.5       | 1.5       | 1.5       | 1.6       | 1.5     |
| 22        | 1.5     | 1.5      | 1.5       | 1.5       | 1.5       | 1.5       | 1.5       | 1.5       | 1.5       | 1.5       | 1.5     |
| 23        | 1.5     | 1.5      | 1.5       | 1.5       | 1.5       | 1.5       | 1.5       | 1.5       | 1.5       | 1.5       | 1.5     |