

# SUMMARY REPORT - GASEOUS AND OPACITY EXCESS EMISSION AND MONITORING SYSTEM PERFORMANCE

**COMPANY:** Wheelabrator North Andover Inc.  
**ADDRESS:** 285 Holt Road  
 North Andover, MA 01845

**IMPLEMENTING EXCLUSION OF DATA DURING STARTUP,  
 SHUTDOWN AND MALFUNCTION IN ACCORDANCE WITH TITLE V AIR QUALITY  
 OPERATING PERMIT TABLE 3, FOOTNOTE 10 AND TABLE 6, ITEM 4**

**QUARTER:** First Quarter 2015

**PROCESS UNIT DESCRIPTION:** MUNICIPAL SOLID WASTE RESOURCE RECOVERY FACILITY

| POLLUTANT:   | UNIT #1 SO <sub>2</sub> OUTLET    | UNIT #1 NO <sub>x</sub>  | UNIT #1 CO    | UNIT #1 SO <sub>2</sub> RE     | UNIT #1 OPACITY |
|--|-----------------------------------|--------------------------|---------------|--------------------------------|-----------------|
| <b>REPORTING PERIOD DATES:</b>   | <b>1/1/2015 through 3/31/2015</b> |                          |               |                                |                 |
| <b>EMISSION LIMITATION:</b>  | 75% or 29 ppmc SO <sub>2</sub>    | 205 ppmc NO <sub>x</sub> | 69 ppmc CO    | 75% or 29 ppmc SO <sub>2</sub> | 10%             |
| <b>MONITOR MFG. &amp; PRIMARY COMPONENTS:</b>                                  | EcoChem MC3                       | EcoChem MC3              | EcoChem MC3   | Western Research 721AT2        | Land MK4500II   |
| <b>DATE OF LATEST CEMS CERTIFICATION AUDIT:</b>                                | December 2010                     | December 2010            | December 2010 |                                |                 |
| <b>TOTAL SOURCE OPERATING TIME IN REPORTING PERIOD:</b>                        | 2160.0                            | 2160.0                   | 2160.0        | 2160.0                         | 129600          |
| <b>EMISSION DATA SUMMARY *</b>   |                                   |                          |               |                                |                 |
| <b>DURATION OF EXCESS EMISSIONS IN REPORTING DUE TO:</b>                       |                                   |                          |               |                                |                 |
| A. STARTUP/SHUTDOWN  | 0                                 | 0                        | 0             | N/A                            | 0               |
| B. CONTROL EQUIPMENT PROBLEMS  | 0                                 | 0                        | 0             | N/A                            | 0               |
| C. PROCESS PROBLEMS  | 0                                 | 0                        | 0             | N/A                            | 0               |
| D. OTHER KNOWN CAUSES  | 0                                 | 0                        | 0             | N/A                            | 0               |
| E. UNKNOWN CAUSES  | 0                                 | 0                        | 0             | N/A                            | 0               |
| <b>TOTAL DURATION OF EXCESS EMISSION</b>                                       | 0                                 | 0                        | 0             | N/A                            | 0               |
| <b>TOTAL DURATION OF EXCESS EMISSION</b><br><b>TOTAL SOURCE OPERATING TIME</b> | 0.0%                              | 0.0%                     | 0.0%          | N/A                            | 0.0%            |
| <b>CEMS PERFORMANCE SUMMARY</b>  |                                   |                          |               |                                |                 |
| <b>CEMS DOWNTIME IN REPORTING PERIOD DUE TO:</b>                               |                                   |                          |               |                                |                 |
| A. MONITOR EQUIPMENT MALFUNCTIONS  | 0                                 | 0                        | 0             | 55                             | 0               |
| B. NON-MONITOR EQUIPMENT MALFUNCTIONS  | 0                                 | 0                        | 0             | 55                             | 0               |
| C. QUALITY ASSURANCE CALIBRATION   | 0                                 | 0                        | 0             | 0                              | 150             |
| D. OTHER KNOWN CAUSES  | 0                                 | 0                        | 0             | 5                              | 42              |
| E. UNKNOWN CAUSES  | 0                                 | 0                        | 0             | 0                              | 330             |
| <b>TOTAL CEMS DOWNTIME</b>   | 0                                 | 0                        | 0             | 115                            | 522             |
| <b>TOTAL CEMS DOWNTIME</b><br><b>TOTAL SOURCE OPERATING TIME</b>               | 0.0%                              | 0.0%                     | 0.0%          | 5.3%                           | 0.40%           |
| <b>DESCRIBE ANY CHANGES SINCE LAST QUARTER IN CEMS, PROCESS OR CONTROLS:</b>   |                                   |                          |               |                                |                 |

\* Record gaseous excess emissions in hours. Record excess opacity emissions in minutes

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**IMPLEMENTING DISMISSAL AND EXCLUSION OF DATA DURING STARTUP,  
 SHUTDOWN AND MALFUNCTION IN ACCORDANCE WITH TITLE V AIR QUALITY  
 OPERATING PERMIT TABLE 3, FOOTNOTE 10 AND TABLE 6, ITEM 4**

**QUARTER:** First Quarter 2015

**PROCESS UNIT DESCRIPTION:** MUNICIPAL SOLID WASTE RESOURCE RECOVERY FACILITY

|  | POLLUTANT:              | UNIT #2 SO2 OUTLET             | UNIT #2 NOx   | UNIT #2 CO    | UNIT #2 SO2 RE                 | UNIT #2 OPACITY |
|--|-------------------------|--------------------------------|---------------|---------------|--------------------------------|-----------------|
|  | REPORTING PERIOD DATES: | 1/1/2015 through 3/31/2015     |               |               |                                |                 |
|  | EMISSION LIMITATION:    | 75% or 29 ppmc SO <sub>2</sub> | 205 ppmc NOx  | 69 ppmc CO    | 75% or 29 ppmc SO <sub>2</sub> | 10%             |
| MONITOR MFG. & PRIMARY COMPONENTS:                                       |                         | EcoChem MC3                    | EcoChem MC3   | EcoChem MC3   | Western Research 721AT2        | Land MK4500II   |
| DATE OF LATEST CEMS CERTIFICATION AUDIT:                                 |                         | December 2010                  | December 2010 | December 2010 |                                |                 |
| TOTAL SOURCE OPERATING TIME IN REPORTING PERIOD:                         |                         | 2134.5                         | 2134.5        | 2134.5        | 2134.5                         | 128071          |
| <b>EMISSION DATA SUMMARY *</b>   |                         |                                |               |               |                                |                 |
| DURATION OF EXCESS EMISSIONS IN REPORTING PERIOD DUE TO:                 |                         |                                |               |               |                                |                 |
| A. STARTUP/SHUTDOWN  |                         | 0                              | 0             | 0             | N/A                            | 0               |
| B. CONTROL EQUIPMENT PROBLEMS  |                         | 0                              | 0             | 0             | N/A                            | 0               |
| C. PROCESS PROBLEMS  |                         | 0                              | 0             | 0             | N/A                            | 0               |
| D. OTHER KNOWN CAUSES  |                         | 0                              | 0             | 0             | N/A                            | 0               |
| E. UNKNOWN CAUSES  |                         | 0                              | 0             | 0             | N/A                            | 0               |
| TOTAL DURATION OF EXCESS EMISSION  |                         | 0                              | 0             | 0             | N/A                            | 0               |
| TOTAL DURATION OF EXCESS EMISSION<br>TOTAL SOURCE OPERATING TIME         |                         | 0.0%                           | 0.0%          | 0.0%          | N/A                            | 0.0%            |
| <b>CEMS PERFORMANCE SUMMARY</b>  |                         |                                |               |               |                                |                 |
| CEMS DOWNTIME IN REPORTING PERIOD DUE TO:                                |                         |                                |               |               |                                |                 |
| A. MONITOR EQUIPMENT MALFUNCTIONS  |                         | 0                              | 0             | 0             | 0                              | 0               |
| B. NON-MONITOR EQUIPMENT MALFUNCTIONS                                    |                         | 0                              | 0             | 0             | 0                              | 0               |
| C. QUALITY ASSURANCE CALIBRATION   |                         | 0                              | 0             | 0             | 0                              | 150             |
| D. OTHER KNOWN CAUSES  |                         | 0                              | 0             | 0             | 5                              | 30              |
| E. UNKNOWN CAUSES  |                         | 0                              | 0             | 0             | 0                              | 0               |
| TOTAL CEMS DOWNTIME  |                         | 0                              | 0             | 0             | 5                              | 180             |
| TOTAL CEMS DOWNTIME<br>TOTAL SOURCE OPERATING TIME                       |                         | 0.0%                           | 0.0%          | 0.0%          | 0.2%                           | 0.14%           |
| DESCRIBE ANY CHANGES SINCE LAST QUARTER IN<br>CEMS, PROCESS OR CONTROLS: |                         |                                |               |               |                                |                 |

\* Record gaseous excess emissions in hours. Record excess opacity emissions in minutes