

# 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:** Second Quarter 2014

**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>4/1/2014 through 6/30/2014</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<br>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>                      | 1874.0                            | 1874.0                   | 1874.0        | 1874.0                         | 112442          |
| <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               |
| <u>TOTAL DURATION OF EXCESS EMISSION</u><br>TOTAL SOURCE OPERATING TIME      | 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             | 0                              | 0               |
| B. NON-MONITOR EQUIPMENT MALFUNCTIONS  | 0                                 | 0                        | 0             | 286                            | 0               |
| C. QUALITY ASSURANCE CALIBRATION   | 1                                 | 1                        | 1             | 1                              | 126             |
| D. OTHER KNOWN CAUSES  | 0                                 | 0                        | 0             | 0                              | 36              |
| E. UNKNOWN CAUSES  | 0                                 | 0                        | 0             | 0                              | 0               |
| <b>TOTAL CEMS DOWNTIME</b>   | 1                                 | 1                        | 1             | 287                            | 162             |
| <u>TOTAL CEMS DOWNTIME</u><br>TOTAL SOURCE OPERATING TIME                    | 0.1%                              | 0.1%                     | 0.1%          | 15.3%                          | 0.14%           |
| <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