

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: Fourth Quarter 2016

PROCESS UNIT DESCRIPTION: MUNICIPAL SOLID WASTE RESOURCE RECOVERY FACILITY

POLLUTANT:	UNIT #1 SO ₂ OUTLET	UNIT #1 NOx	UNIT #1 CO	UNIT #1 SO ₂ RE	UNIT #1 OPACITY
REPORTING PERIOD DATES:	10/1/2016		through		12/31/2016
EMISSION LIMITATION:	75% or 29 ppmc SO ₂	205 ppmc NOx	69 ppmc CO	75% or 29 ppmc SO ₂	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:	1885.1	1885.1	1885.1	1885.1	113105
EMISSION DATA SUMMARY *					
DURATION OF EXCESS EMISSIONS IN REPORTING DUE TO:					
A. STARTUP/SHUTDOWN	0	0	0	N/A	0
B. CONTROL EQUIPMENT PROBLEMS	0	10	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	10	0	N/A	0
<u>TOTAL DURATION OF EXCESS EMISSION</u>	0.0%	0.5%	0.0%	N/A	0.0%
TOTAL SOURCE OPERATING TIME					
CEMS PERFORMANCE SUMMARY					
CEMS DOWNTIME IN REPORTING PERIOD DUE TO:					
A. MONITOR EQUIPMENT MALFUNCTIONS	0	0	0	0	4272
B. NON-MONITOR EQUIPMENT MALFUNCTIONS	0	0	0	27	0
C. QUALITY ASSURANCE CALIBRATION	1	1	1	1	156
D. OTHER KNOWN CAUSES	7	118	7	6	48
E. UNKNOWN CAUSES	0	0	0	0	0
TOTAL CEMS DOWNTIME	8	119	8	34	4476
<u>TOTAL CEMS DOWNTIME</u>	0.4%	6.3%	0.4%	1.8%	3.96%
TOTAL SOURCE OPERATING TIME					
DESCRIBE ANY CHANGES SINCE LAST QUARTER IN CEMS, PROCESS OR CONTROLS:					

* 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: Fourth Quarter 2016

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:	10/1/2016 through 12/31/2016				
	EMISSION LIMITATION:	75% or 29 ppmc SO ₂	205 ppmc NOx	69 ppmc CO	75% or 29 ppmc SO ₂	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:	2089.7	2089.7	2089.7	2089.7	125380
EMISSION DATA SUMMARY *						
DURATION OF EXCESS EMISSIONS IN REPORTING 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		0.0%	0.0%	0.0%	N/A	0.0%
TOTAL SOURCE OPERATING TIME						
CEMS PERFORMANCE SUMMARY						
CEMS DOWNTIME IN REPORTING PERIOD DUE TO:						
A. MONITOR EQUIPMENT MALFUNCTIONS		0	0	0	27	414
B. NON-MONITOR EQUIPMENT MALFUNCTIONS		0	0	0	3	0
C. QUALITY ASSURANCE CALIBRATION		1	1	1	1	126
D. OTHER KNOWN CAUSES		0	0	0	7	18
E. UNKNOWN CAUSES		0	0	0	0	0
TOTAL CEMS DOWNTIME		1	1	1	38	558
TOTAL CEMS DOWNTIME		0.0%	0.0%	0.0%	1.8%	0.45%
TOTAL SOURCE OPERATING TIME						
DESCRIBE ANY CHANGES SINCE LAST QUARTER IN CEMS, PROCESS OR CONTROLS:						

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