

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: Third Quarter 2019

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:	7/1/2019 through 9/30/2019				
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	Ametek 9900 RM	Durag D-R 290G2
DATE OF LATEST CEMS CERTIFICATION AUDIT:	December 2010	December 2010	December 2010		
TOTAL SOURCE OPERATING TIME IN REPORTING PERIOD:	2205.8	2205.8	2205.8	2205.8	132346
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 TOTAL SOURCE OPERATING TIME	0.0%	0.0%	0.0%	N/A	0.0%
CEMS PERFORMANCE SUMMARY					
CEMS DOWNTIME IN REPORTING PERIOD DUE TO:					
A. MONITOR EQUIPMENT MALFUNCTIONS	0	0	0	28	0
B. NON-MONITOR EQUIPMENT MALFUNCTIONS	0	0	0	38	0
C. QUALITY ASSURANCE CALIBRATION	2	2	2	2	90
D. OTHER KNOWN CAUSES	2	2	2	16	0
E. UNKNOWN CAUSES	0	0	0	0	6
TOTAL CEMS DOWNTIME	4	4	4	84	96
TOTAL CEMS DOWNTIME TOTAL SOURCE OPERATING TIME	0.2%	0.2%	0.2%	3.8%	0.07%
DESCRIBE ANY CHANGES SINCE LAST QUARTER IN CEMS, PROCESS OR CONTROLS:				* Ametek 9900 RM installed on 12/26/2018	

* 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: Third Quarter 2019
 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:	7/1/2019 through 9/30/2019				
	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	Ametek 9900 RM	Durag D-R 290G2
	DATE OF LATEST CEMS CERTIFICATION AUDIT:	December 2010	December 2010	December 2010	2/1/2019	
	TOTAL SOURCE OPERATING TIME IN REPORTING PERIOD:	1890.7	1890.7	1890.7	1890.7	113444
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	0	0
B. NON-MONITOR EQUIPMENT MALFUNCTIONS		2	2	2	6	0
C. QUALITY ASSURANCE CALIBRATION		3	4	3	2	90
D. OTHER KNOWN CAUSES		1	1	1	11	738
E. UNKNOWN CAUSES		0	0	0	0	0
TOTAL CEMS DOWNTIME		6	7	6	19	828
TOTAL CEMS DOWNTIME		0.3%	0.4%	0.3%	1.0%	0.73%
TOTAL SOURCE OPERATING TIME						
DESCRIBE ANY CHANGES SINCE LAST QUARTER IN CEMS, PROCESS OR CONTROLS:					* Ametek 9900 RM installed on 12/26/2018	

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