

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 2018

PROCESS UNIT DESCRIPTION: MUNICIPAL SOLID WASTE RESOURCE RECOVERY FACILITY

POLLUTANT:	UNIT #1 SO ₂ OUTLET	UNIT #1 NO _x	UNIT #1 CO	UNIT #1 SO ₂ RE	UNIT #1 OPACITY
REPORTING PERIOD DATES:	10/1/2018 through 12/31/2018				
EMISSION LIMITATION:	75% or 29 ppmc SO ₂	205 ppmc NO _x	69 ppmc CO	75% or 29 ppmc SO ₂	10%
MONITOR MFG. & PRIMARY COMPONENTS:	EcoChem MC3	EcoChem MC3	EcoChem MC3	Western Research 721AT28	Durag D-R 290G2
DATE OF LATEST CEMS CERTIFICATION AUDIT:	December 2010	December 2010	December 2010		
TOTAL SOURCE OPERATING TIME IN REPORTING PERIOD:	2062.2	2062.2	2062.2	2062.2	123733
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	3	3	3	0	0
B. NON-MONITOR EQUIPMENT MALFUNCTIONS	2	2	2	10	0
C. QUALITY ASSURANCE CALIBRATION	2	2	2	0	162
D. OTHER KNOWN CAUSES	22	22	22	14	2016
E. UNKNOWN CAUSES	0	0	0	0	0
TOTAL CEMS DOWNTIME	29	29	29	24	2178
TOTAL CEMS DOWNTIME TOTAL SOURCE OPERATING TIME	1.4%	1.4%	1.4%	1.2%	1.76%
DESCRIBE ANY CHANGES SINCE LAST QUARTER IN CEMS, PROCESS OR CONTROLS:				* Ametek 9900 RM installed on 12/26/2018	Certified new COMS on 12/25/2017

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

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 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 2018

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:	10/1/2018		through		12/31/2018
	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*	Durag D-R 290G2
DATE OF LATEST CEMS CERTIFICATION AUDIT:		December 2010	December 2010	December 2010		
TOTAL SOURCE OPERATING TIME IN REPORTING PERIOD:		2201.9	2201.9	2201.9	2201.9	132116
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
<u>TOTAL DURATION OF EXCESS EMISSION</u>		0.0%	0.0%	0.0%	N/A	0.0%
<u>TOTAL SOURCE OPERATING TIME</u>						
CEMS PERFORMANCE SUMMARY						
CEMS DOWNTIME IN REPORTING PERIOD DUE TO:						
A. MONITOR EQUIPMENT MALFUNCTIONS		0	0	0	124	0
B. NON-MONITOR EQUIPMENT MALFUNCTIONS		0	0	0	56	0
C. QUALITY ASSURANCE CALIBRATION		2	2	2	1	150
D. OTHER KNOWN CAUSES		27	27	27	67	930
E. UNKNOWN CAUSES		0	0	0	0	0
TOTAL CEMS DOWNTIME		29	29	29	248	1080
<u>TOTAL CEMS DOWNTIME</u>		1.3%	1.3%	1.3%	11.3%	0.82%
<u>TOTAL SOURCE OPERATING TIME</u>						
DESCRIBE ANY CHANGES SINCE LAST QUARTER IN CEMS, PROCESS OR CONTROLS:					* Ametek 9900 RM installed on 12/26/2018	Certified new COMS on 12/25/2017

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