



WHEELABRATOR NORTH ANDOVER A WIN-WASTE INNOVATIONS COMPANY DRAFT - COMPLIANCE SUMMARY REPORT



Date 3/9/25

Plant Wheelabrator North Andover

NOTE: Emission & Process results may change after Startup, Shutdown, Malfunction data validation

Unit Unit 1
Source Outlet

Date	Hour	On-Line Minutes	O2		NOx		SO2				CO				Carbon Feed		FF Temp (deg F)		Steam KLbs/Hr		
			Out Vol % Dry	Status	Outlet ppm 7%O2	Status	Outlet ppm 7%O2	Status	Inlet ppm 7%O2	Status	Removal	Status	Outlet ppm 7%O2	Status	4 Hr Block	Status	Lbs/Hr Avg.	8 Hr Block	1 Hr Avg.	4 Hr Block	1 Hr Avg.
3/9/2025	0	60	10.6		142		12		73		84		1			12		310		168.9	
3/9/2025	1	60	10.5		141		8		59		87		2			13		309		167.3	
3/9/2025	2	60	10.5		141		5		54		90		2			13		310		166.4	
3/9/2025	3	60	10.4		140		8		64		88		2	2		13		311	310	167.1	167.4
3/9/2025	4	60	10.6		140		2		34		93		3			12		307		168.4	
3/9/2025	5	60	10.6		142		6		50		88		2			13		310		167.3	
3/9/2025	6	60	10.4		143		4		47		91		2			13		309		167.8	
3/9/2025	7	60	10.4		139		7		73		90		1	2		13	13	310	309	170.4	168.5
3/9/2025	8	60	10.6		140		9		61		86		1			13		309		169.5	
3/9/2025	9	60	10.7		145		2		42		95		1			13		309		167.0	
3/9/2025	10	60	10.8		138		5		49		90		1			13		309		167.8	
3/9/2025	11	60	10.6		140		10		74		86		1	1		13		309	309	166.7	167.7
3/9/2025	12	60	10.4		142		8		56		86		1			13		309		168.7	
3/9/2025	13	60	10.6		140		12		52		78		1			12		309		167.2	
3/9/2025	14	60	10.6		141		3		36		91		1			13		309		167.8	
3/9/2025	15	60	10.7		139		4		37		90		0	1		14	13	309	309	169.0	168.2
3/9/2025	16	60	10.8		147		4		42		91		1			14		310		166.7	
3/9/2025	17	60	10.6		137		3		42		93		2			14		309		167.2	
3/9/2025	18	60	10.6		140		0		24		99		2			14		309		167.6	
3/9/2025	19	60	10.6		138		0		16		100		1	1		14		309	309	168.5	167.5
3/9/2025	20	60	10.5		143		0		14		100		1			13		309		167.9	
3/9/2025	21	60	10.5		141		1		26		95		1			14		309		167.8	
3/9/2025	22	60	10.5		140		2		34		94		1			13		309		169.4	
3/9/2025	23	60	10.8		141		8		45		82		1	1		13	13	309	309	165.3	167.6

Average:
Geometric Mean Average:

141	3
≤ 150 24-HR Block Avg.	≤ 29 24-HR Geometric Mean

OR

94
≥ 80% Removal Efficiency

see above
≤ 69 ppmc 4-HR Block Average

see above
≥ 12 lb/hr 8-HR. Block Average

see above
≤ 345 °F 4-HR Block Average

see above
≤ 173 klb/hr 4-HR Block Average

Status Flags

- I - Invalid
- B - Bad
- C - Calibration
- M - Maintenance
- F - Offline
- P - Purge
- T - Out of Control
- E - Excluded
- ^ - Startup
- * - Shutdown



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Date 3/9/25

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NOTE: Emission & Process results may change after Startup, Shutdown, Malfunction data validation

Unit Unit 2

Source Outlet

Date	Hour	On-Line Minutes	O2		NOx		SO2				CO			Carbon Feed		FF Temp (deg F)		Steam KLbs/Hr			
			Out Vol % Dry	Status	Outlet ppm 7%O2	Status	Outlet ppm 7%O2	Status	Inlet ppm 7%O2	Status	Removal	Status	Outlet ppm 7%O2	Status	4 Hr Block	Status	Lbs/Hr Avg.	8 Hr Block	1 Hr Avg.	4 Hr Block	1 Hr Avg.
3/9/2025	0	60	10.4		139		17		100		83		3			13		310		168.9	
3/9/2025	1	60	10.3		139		19		120		84		2			12		310		167.6	
3/9/2025	2	60	10.4		141		31		147		79		2			13		310		167.4	
3/9/2025	3	60	10.3		139		23		123		81		2	2		13		310	310	169.3	168.3
3/9/2025	4	60	10.3		139		20		121		84		6			13		310		168.4	
3/9/2025	5	60	10.2		141		17		111		84		4			13		310		168.5	
3/9/2025	6	60	10.2		139		18		110		84		4			13		310		168.9	
3/9/2025	7	60	10.4		139		18		108		84		4	4		13	13	310	310	168.4	168.5
3/9/2025	8	60	10.4		141		19		117		84		4			13		310		168.6	
3/9/2025	9	60	10.4		139		23		131		82		4			13		310		168.9	
3/9/2025	10	60	10.4		139		13		91		86		4			14		310		168.5	
3/9/2025	11	60	10.2		140		17		100		83		4	4		15		310	310	168.3	168.6
3/9/2025	12	60	10.1		140		19		110		83		4			14		310		169.2	
3/9/2025	13	60	10.1		136		10		85		88		4			14		309		168.2	
3/9/2025	14	60	10.0		140		13		89		86		4			14		310		169.4	
3/9/2025	15	60	10.1		137		17		102		83		3	4		15	14	310	310	168.2	168.8
3/9/2025	16	60	10.2		141		15		96		84		3			14		310		168.2	
3/9/2025	17	60	10.2		139		9		82		88		5			14		310		169.1	
3/9/2025	18	60	10.2		140		4		57		93		4			14		310		168.3	
3/9/2025	19	60	10.1		137		4		57		93		4	4		15		309	310	167.9	168.4
3/9/2025	20	60	10.0		139		2		55		96		3			13		310		168.6	
3/9/2025	21	60	10.1		142		1		53		97		4			13		310		167.5	
3/9/2025	22	60	10.2		138		10		68		85		4			13		310		168.7	
3/9/2025	23	60	10.1		139		11		69		84		4	4		14	14	310	310	169.1	168.5

Average:
Geometric Mean Average:

Limit:

139	12
≤ 150 24-HR Block Avg.	≤ 29 24-HR Geometric Mean

OR

87
≥ 80% Removal Efficiency

see above
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WHEELABRATOR NORTH ANDOVER A WIN-WASTE INNOVATIONS COMPANY OPACITY REPORT



Date 09-Mar-2025

Plant Wheelabrator North Andover
Unit Unit 1
Source Outlet

Opacity is a measure of how much soot or smoke may be contained in stack emissions. The more smoke that is contained in the emissions the higher the level of opacity. Continuous opacity monitors located after all of the air pollution control equipment measure the opacity of the emissions from each boiler. Typically the human eye can not detect or see smoke that is less than 5% opacity. You won't see smoke from a modern trash-to-energy plant although in colder weather you will see water vapor condensation, similar to seeing your breath on a cold day. This is not considered opacity. We have a permit limit established by the Massachusetts Department of Environmental Protection of 10% opacity averaged every six (6) minutes.

Limit 10 %

Time (hr)	1-6 min	7-12 min	13-18 min	19-24 min	25-30 min	31-36 min	37-42 min	43-48 min	49-54 min	55-60 min	Average
0	0	0	0	0	0	0	0	1	1	0	0
1	1	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0
6	3	IC	5	IC	0	0	0	0	0	0	1
7	1	1	1	1	1	1	0	1	1	1	0
8	0	1	1	1	1	1	1	1	1	1	0
9	1	1	1	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0
13	0	0	1	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0

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Date 09-Mar-2025

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Unit Unit 2
Source Outlet

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Limit 10 %

Time (hr)	1-6 min	7-12 min	13-18 min	19-24 min	25-30 min	31-36 min	37-42 min	43-48 min	49-54 min	55-60 min	Average
0	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1
6	1	IC	5	IC	1	1	1	1	1	1	2
7	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	1	1	1	1	1
16	1	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	1	1	1	1	1	1	1
18	1	1	1	1	1	1	1	1	1	1	1
19	1	1	1	1	1	1	1	2	2	1	1
20	2	1	1	1	1	1	1	1	1	1	1
21	1	1	1	1	1	1	1	1	1	1	1
22	1	1	1	1	1	1	1	1	1	1	1
23	1	1	1	1	1	1	1	1	1	1	1

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