



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



Date 5/22/25

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.
5/22/2025	0	60	10.5		122		10		65		85		2			13		309		167.8	
5/22/2025	1	60	10.6		142		9		44		80		1			13		309		167.9	
5/22/2025	2	60	10.7		141		12		39		69		1			12		310		167.2	
5/22/2025	3	60	10.7		140		12		41		70		1	1		13		309	309	168.1	167.8
5/22/2025	4	60	10.8		141		21		56		63		1			13		309		167.8	
5/22/2025	5	60	10.6		142		18		49		64		2			13		310		166.3	
5/22/2025	6	60	10.9		141		18		63		71		1			13		309		167.3	
5/22/2025	7	60	10.9		139		20		88		77		1	1		13	13	309	309	167.0	167.1
5/22/2025	8	60	10.9		142		18		86		79		1			14		309		167.9	
5/22/2025	9	60	10.9		145		4		65		94		1			13		310		166.7	
5/22/2025	10	60	10.6		141		3		52		94		1			13		309		166.9	
5/22/2025	11	60	10.5		142		4		41		91		2	2		13		310	309	167.7	167.3
5/22/2025	12	60	10.4		140		6		38		84		3			14		310		165.3	
5/22/2025	13	60	10.6		138		13		38		65		2			11		310		166.9	
5/22/2025	14	60	10.5		144		3		29		90		2			11		309		167.9	
5/22/2025	15	60	10.5		141		12		48		74		2	2		12	13	309	309	167.6	166.9
5/22/2025	16	60	10.3		142		10		39		75		2			7		309		169.5	
5/22/2025	17	60	10.3		138		14		40		66		1			20		309		169.1	
5/22/2025	18	60	10.3		143		2		25		92		1			18		310		167.7	
5/22/2025	19	60	10.2		141		1		27		97		1	1		15		309	309	166.9	168.3
5/22/2025	20	60	10.3		141		15		42		64		1			17		310		166.9	
5/22/2025	21	60	10.3		141		8		30		74		1			21		310		168.3	
5/22/2025	22	60	10.3		132		4		24		82		1			19		309		169.2	
5/22/2025	23	60	10.2		120		4		29		87		1	1		14	16	309	309	167.9	168.1

Average:
Geometric Mean Average:

Limit:

139	8	OR	82
≤ 150 24-HR Block Avg.	≤ 29 24-HR Geometric Mean		≥ 80% Removal Efficiency

see above
≤ 69 ppmc 4-HR Block Average

see above	see above	see above
≥ 12 lb/hr 8-HR. Block Average	≤ 345 °F 4-HR Block Average	≤ 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 5/22/25

Plant Wheelabrator North Andover

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.
5/22/2025	0	60	10.4		121		14		66		79		4			13		310		168.7	
5/22/2025	1	60	10.2		140		6		52		88		4			13		310		169.2	
5/22/2025	2	60	10.4		137		4		46		92		4			13		310		168.5	
5/22/2025	3	60	10.3		141		3		44		94		4	4		14		310	310	168.2	168.7
5/22/2025	4	60	10.1		141		7		58		87		5			13		310		168.3	
5/22/2025	5	60	10.6		141		3		53		94		4			13		310		164.8	
5/22/2025	6	60	10.6		138		14		72		80		4			13		310		166.2	
5/22/2025	7	60	10.6		138		36		156		77		4	4		13	13	311	310	168.9	167.0
5/22/2025	8	60	10.5		139		14		88		84		3			13		308		168.5	
5/22/2025	9	60	10.4		141		11		85		88		4			13		310		167.7	
5/22/2025	10	60	10.4		138		20		118		83		4			13		310		168.4	
5/22/2025	11	60	10.3		140		7		95		93		4	4		14		310	310	168.1	168.2
5/22/2025	12	60	10.3		141		2		65		97		4			13		310		168.9	
5/22/2025	13	60	10.4		139		8		57		86		4			13		310		167.7	
5/22/2025	14	60	10.2		139		0		48		100		5			13		310		168.3	
5/22/2025	15	60	10.2		140		1		58		98		4	4		13	13	310	310	169.1	168.5
5/22/2025	16	60	10.1		140		0		48		100		4			13		310		167.7	
5/22/2025	17	60	10.1		137		1		45		98		4			19		310		168.7	
5/22/2025	18	60	10.0		140		0		33		100		4			15		310		168.7	
5/22/2025	19	60	9.9		139		0		42		100		4	4		13		310	310	169.1	168.6
5/22/2025	20	60	10.2		139		2		62		97		4			13		309		167.7	
5/22/2025	21	60	10.1		142		2		58		97		4			13		310		168.9	
5/22/2025	22	60	10.3		130		0		50		99		4			13		310		169.1	
5/22/2025	23	60	10.2		119		0		50		100		4	4		13	14	310	310	167.7	168.4

Average: Geometric Mean Average:	138	2	97	OR	see above	see above	see above	
Limit:	≤ 150 24-HR Block Avg.	≤ 29 24-HR Geometric Mean	≥ 80% Removal Efficiency		≤ 69 ppmc 4-HR Block Average	≥ 12 lb/hr 8-HR. Block Average	≤ 345 °F 4-HR Block Average	≤ 173 klb/hr 4-HR Block Average

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WHEELABRATOR NORTH ANDOVER A WIN-WASTE INNOVATIONS COMPANY OPACITY REPORT



Date 22-May-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	2	2	2	2	2	2	2	2	2	2	2
1	2	2	2	2	2	2	2	2	2	2	2
2	2	2	2	2	2	2	2	2	2	2	2
3	2	2	2	2	2	2	2	2	2	2	2
4	2	2	2	2	2	2	2	2	2	2	2
5	2	2	2	2	2	2	2	2	2	2	2
6	2	IC	6	IC	2	2	2	2	2	2	2
7	2	2	2	2	2	2	2	2	2	2	2
8	2	2	2	2	2	2	2	2	2	2	2
9	2	2	2	2	2	2	2	2	2	2	2
10	2	2	2	2	2	2	2	2	1	2	2
11	2	2	2	2	2	2	2	2	2	2	2
12	2	2	2	2	2	2	2	2	2	2	2
13	2	2	2	2	2	2	2	2	2	2	2
14	2	2	2	2	2	2	2	2	2	2	2
15	2	2	2	2	2	2	2	2	2	2	2
16	2	2	2	2	2	2	2	2	2	2	2
17	2	2	2	2	2	2	2	2	2	2	2
18	2	2	2	2	2	2	2	2	2	2	2
19	2	2	2	2	2	2	2	2	2	2	2
20	2	2	2	2	2	2	2	2	2	2	2
21	2	2	2	2	2	2	2	2	2	2	2
22	2	2	2	2	2	2	2	2	2	2	2
23	2	2	2	2	2	2	2	2	2	2	2

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Date 22-May-2025

Plant Wheelabrator North Andover
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	2	2	2	2	2	2	2	2	2	2	2
1	2	2	2	2	2	2	2	2	2	2	2
2	2	2	2	2	2	2	2	2	2	2	2
3	2	2	2	2	2	2	2	2	2	2	2
4	2	2	2	2	2	2	2	2	2	2	2
5	2	2	2	2	2	2	2	2	2	2	2
6	2	IC	6	IC	2	2	2	2	2	2	3
7	2	2	2	2	2	2	2	2	2	2	2
8	2	2	2	2	2	2	2	2	2	2	2
9	2	2	2	2	2	2	2	2	2	2	2
10	2	2	2	2	2	2	2	2	2	2	2
11	2	2	2	2	2	2	2	2	2	2	2
12	2	2	2	2	2	2	2	2	2	2	2
13	2	2	2	2	2	2	2	2	2	2	2
14	2	2	2	2	2	2	2	2	2	2	2
15	2	2	2	2	2	2	2	2	2	2	2
16	2	2	2	2	2	2	2	2	2	2	2
17	2	2	2	2	2	2	2	2	2	2	2
18	2	2	2	2	2	2	2	2	2	2	2
19	2	2	2	2	2	2	2	2	2	2	2
20	2	2	2	2	2	2	2	2	2	2	2
21	2	2	2	2	2	2	2	2	2	2	2
22	2	2	2	2	2	2	2	2	2	2	2
23	2	2	2	2	2	2	2	2	2	2	2

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