



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



Date 1/27/26

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.
1/27/2026	0	60	10.3		140		0		17		100		0			13		314		166.7	
1/27/2026	1	60	10.0		142		0		16		100		0			13		314		167.7	
1/27/2026	2	60	9.8		142		0		16		100		0			13		314		168.5	
1/27/2026	3	60	10.0		136		0		19		100		0	0		13		315	314	168.1	167.8
1/27/2026	4	60	10.1		145		0		15		100		0			13		315		168.0	
1/27/2026	5	60	10.2		139		0		15		100		0			13		314		165.6	
1/27/2026	6	60	10.1		141		0		14		100		0			13		312		170.6	
1/27/2026	7	60	10.4		143		0		16		100		0	0		13	13	315	314	167.6	167.9
1/27/2026	8	60	10.2		139		0		16		100		0			13		314		167.4	
1/27/2026	9	60	10.4		142		0		19		100		0			13		314		166.5	
1/27/2026	10	60	10.3		139		0		22		100		0			13		314		166.6	
1/27/2026	11	60	10.3		141		0		37		100		1	0		13		315	314	168.7	167.3
1/27/2026	12	60	10.2		147		0		26		100		0			13		315		166.9	
1/27/2026	13	60	10.2		148		0		22		100		0			14		315		162.5	
1/27/2026	14	60	9.8		148		0		38		100		1			13		314		168.0	
1/27/2026	15	60	9.9		135		0		26		100		2	1		13	13	315	314	162.2	164.9
1/27/2026	16	60	10.0		139		0		52		100		1			13		315		164.8	
1/27/2026	17	60	10.1		142		0		25		100		1			13		315		160.2	
1/27/2026	18	60	11.4	IBCM	72	IBCM	33	IBCMT	23		0	IBCMT	34	IBCMT		13		314		161.5	
1/27/2026	19	60	9.8		141		0		26		100		1	1		13		314	314	161.9	162.1
1/27/2026	20	60	10.6		139		0		23		100		1			13		314		153.0	
1/27/2026	21	60	10.0		143		0		25		100		0			13		315		168.3	
1/27/2026	22	60	10.2		139		0		23		100		0			13		314		163.2	
1/27/2026	23	60	10.3		141		0		27		100		0	1		11	13	315	314	167.5	163.0

Average: Geometric Mean Average:	141	0	OR	100	see above	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

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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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.
1/27/2026	0	60	10.5		139		0		37		100		3			14		315		168.8	
1/27/2026	1	60	10.3		141		0		37		100		3			14		315		169.1	
1/27/2026	2	60	10.2		139		0		30		100		3			14		316		169.4	
1/27/2026	3	60	10.4		140		0		35		100		3	3		14		315	315	168.7	169.0
1/27/2026	4	60	10.5		139		0		38		100		4			14		315		167.7	
1/27/2026	5	60	10.2		140		0		37		100		3			14		315		168.4	
1/27/2026	6	60	10.4		141		0		30		100		3			14		315		168.3	
1/27/2026	7	60	10.5		141		0		31		100		3	3		14	14	315	315	168.2	168.2
1/27/2026	8	60	10.6		138		0		21		100		4			13		315		161.9	
1/27/2026	9	60	10.2		142		0		24		100		4			14		315		168.2	
1/27/2026	10	60	10.2		137		0		27		100		5			14		315		167.8	
1/27/2026	11	60	10.1		141		0		35		100		5	4		13		315	315	168.6	166.6
1/27/2026	12	60	10.7		194		0		31		100		5			14		315		164.2	
1/27/2026	13	60	10.0		176		0		31		100		4			14		315		165.3	
1/27/2026	14	60	9.9		179		0		52		100		4			14		315		166.8	
1/27/2026	15	60	10.4		118		0		39		100		5	4		14	14	315	315	160.0	164.1
1/27/2026	16	60	11.1	IBM	73	IBM	44	IBM	49		11	IBM	37	IBM		14		314		161.5	
1/27/2026	17	60	10.2		134		0		41		100		7			14		315		159.8	
1/27/2026	18	60	10.3		118		0		36		100		6			14		315		160.4	
1/27/2026	19	60	10.1		122		1		44		98		6	6		14		315	315	162.5	161.1
1/27/2026	20	60	10.4		119		1		38		97		5			14		315		162.6	
1/27/2026	21	60	10.1		134		2		49		95		5			14		314		166.1	
1/27/2026	22	60	10.2		139		3		39		93		5			14		315		166.8	
1/27/2026	23	60	10.2		141		4		37		90		5	5		14	14	315	315	168.2	165.9

Average: Geometric Mean Average:	141	0	OR	100	see above	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 27-Jan-2026

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	1	1	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0
3	0	1	1	1	1	1	0	1	0	1	0
4	0	0	0	1	1	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0
6	2	IC	5	IC	0	0	0	0	1	0	1
7	1	0	1	0	0	0	0	0	1	0	0
8	1	1	1	1	1	1	1	1	1	1	1
9	1	1	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0
11	0	0	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1	1	1
13	1	0	0	1	1	1	0	0	1	1	0
14	1	1	0	1	0	0	0	0	0	0	0
15	1	1	0	0	0	0	0	0	0	0	0
16	0	0	1	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	1	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	1	1	1	1	1	1	1	0

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Date 27-Jan-2026

Plant Wheelabrator North Andover
Unit Unit 2
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	1	2	2	2	2	2	2	2	2	2
1	2	2	2	2	2	2	2	2	2	2	2
2	2	1	2	2	2	2	2	2	2	2	2
3	1	2	2	2	2	2	2	2	2	2	2
4	2	2	2	2	2	2	1	2	2	2	2
5	2	2	2	2	2	2	2	2	2	2	2
6	1	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	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	1	1	2	2	1
15	1	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	1	2	2	2
20	2	2	2	2	2	1	1	1	1	1	1
21	1	1	2	2	2	2	2	2	2	2	2
22	2	2	2	2	2	2	2	2	1	2	1
23	1	2	2	2	2	2	2	2	2	2	1

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