



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



Date 8/8/25

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.
8/8/2025	0	60	10.4		143		12		37		68		1			13		314		168.9	
8/8/2025	1	60	10.6		140		14		40		64		0			13		314		168.7	
8/8/2025	2	60	10.4		142		11		35		69		1			13		314		168.0	
8/8/2025	3	60	10.4		142		9		32		71		1	1		13		315	314	167.6	168.3
8/8/2025	4	60	10.4		139		11		36		68		0			13		314		168.0	
8/8/2025	5	60	10.5		141		16		40		60		1			13		314		168.8	
8/8/2025	6	60	10.4		143		10		49		80		1			13		315		166.6	
8/8/2025	7	60	10.4		138		9		70		87		1	1		13	13	314	314	169.7	168.3
8/8/2025	8	60	10.7		141		9	IBM	68	IBM	87	IBM	1			13		314		171.3	
8/8/2025	9	60	10.9		143		21	IBM	119	IBM	83	IBM	1			13		317		169.7	
8/8/2025	10	60	10.7		140		23		112		79		2			13		317		167.0	
8/8/2025	11	60	10.8		140		11		125		91		1	1		13		315	316	169.9	169.5
8/8/2025	12	60	11.1		141		10		65		85		1			13		315		168.2	
8/8/2025	13	60	11.2		141		11		62		82		1			13		314		166.9	
8/8/2025	14	60	10.9		141		9		49		82		1			13		314		167.4	
8/8/2025	15	60	10.6		141		2		41		95		1	1		13	13	314	314	167.8	167.6
8/8/2025	16	60	10.7		142		3		43		94		1			13		314		169.3	
8/8/2025	17	60	10.8		140		4		51		92		1			13		314		167.8	
8/8/2025	18	60	10.6		141		5		49		90		0			13		315		170.1	
8/8/2025	19	60	10.7		142		1		46		97		1	1		13		315	314	168.0	168.8
8/8/2025	20	60	10.8		140		15		61		75		0			13		315		169.5	
8/8/2025	21	60	10.8		140		14		68		80		0			13		315		170.1	
8/8/2025	22	60	11.2		141		6		48		87		0			13		314		166.9	
8/8/2025	23	60	10.9		142		2		47		95		0	0		13	13	315	314	165.7	168.0

Average: Geometric Mean Average:	141	8	OR	85	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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Date 8/8/25

Plant Wheelabrator North Andover

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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.
8/8/2025	0	60	10.4		140		9		38		77		3			13		315		168.6	
8/8/2025	1	60	10.3		138		5		34		86		3			14		315		168.5	
8/8/2025	2	60	10.3		140		2		35		93		3			13		315		168.1	
8/8/2025	3	60	10.4		139		6		37		83		4	3		14		315	315	167.4	168.2
8/8/2025	4	60	10.3		141		1		27		98		6			13		316		167.7	
8/8/2025	5	60	10.5		137		3		30		91		6			14		315		169.5	
8/8/2025	6	60	10.3		141		1		34		98		5			13		315		168.5	
8/8/2025	7	60	10.4		138		8		42		80		5	5		13	13	315	315	168.7	168.6
8/8/2025	8	60	10.5		141		7		32		77		5			14		315		168.3	
8/8/2025	9	60	10.4		140		6		32		81		4			13		315		169.2	
8/8/2025	10	60	10.3		139		9		60		85		4			14		315		168.3	
8/8/2025	11	60	10.4		138		2		42		94		5	5		13		315	315	168.5	168.6
8/8/2025	12	60	10.2		139		2		32		93		5			14		315		169.4	
8/8/2025	13	60	10.3		141		4		31		87		4			13		315		167.5	
8/8/2025	14	60	10.2		139		0		26		100		5			13		315		169.2	
8/8/2025	15	60	9.9		141		0		32		100		5	5		13	13	315	315	168.5	168.7
8/8/2025	16	60	10.2		139		0		29		100		4			13		315		168.4	
8/8/2025	17	60	10.1		139		1		45		98		4			13		315		168.7	
8/8/2025	18	60	10.3		139		1		33		96		4			13		315		169.0	
8/8/2025	19	60	10.2		142		0		29		99		4	4		13		316	315	167.9	168.5
8/8/2025	20	60	10.4		137		8		35		77		4			13		314		168.7	
8/8/2025	21	60	10.3		140		3		29		91		4			13		315		168.2	
8/8/2025	22	60	10.3		139		3		27		89		4			14		315		167.9	
8/8/2025	23	60	10.3		141		0		27		99		4	4		13	13	315	315	168.8	168.4

Average:
Geometric Mean Average:

140	2
≤ 150 24-HR Block Avg.	≤ 29 24-HR Geometric Mean

96
≥ 80% Removal Efficiency

OR

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

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WHEELABRATOR NORTH ANDOVER A WIN-WASTE INNOVATIONS COMPANY OPACITY REPORT



Date 08-Aug-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	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	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	1	1	0	0	0	0	0	0
6	0	ICT	0	ICT	1	IT	0	IT	0	IT	0
7	7	CM	1	1	1	IT	1	IT	0	IT	0
8	1		1	1	1	IT	1	IT	0	IT	2
9	1		1	1	1	IT	1	IT	0	IT	1
10	1		1	1	1	IT	1	IT	0	IT	1
11	1		1	1	1	IT	1	IT	0	IT	1
12	1		1	1	1	IT	1	IT	0	IT	1
13	1		1	1	1	IT	1	IT	0	IT	1
14	1		1	1	1	IT	1	IT	0	IT	1
15	1		1	1	1	IT	1	IT	0	IT	1
16	1		1	1	1	IT	1	IT	0	IT	1
17	1		1	1	1	IT	1	IT	0	IT	1
18	1		1	1	1	IT	1	IT	0	IT	1
19	1		1	1	1	IT	1	IT	0	IT	1
20	1		1	1	1	IT	1	IT	0	IT	1
21	1		1	1	1	IT	1	IT	0	IT	1
22	1		1	1	1	IT	1	IT	0	IT	1
23	1		1	1	1	IT	1	IT	0	IT	1

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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	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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