



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



Date 8/1/25

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.
8/1/2025	0	60	10.3		140		13		46		72		0			13		315		166.4	
8/1/2025	1	60	10.2		140		16		61		74		1			13		315		167.3	
8/1/2025	2	60	10.7		140		21		56		62		1			13		315		168.8	
8/1/2025	3	60	10.6		142		15		49		69		1	1		13		316	315	166.6	167.3
8/1/2025	4	60	10.7		141		11		50		77		0			13		315		166.2	
8/1/2025	5	60	10.6		140		11		40		72		0			13		314		165.0	
8/1/2025	6	60	10.8		134		0		29		99		0			13		314		162.4	
8/1/2025	7	60	10.8		138		9		37		76		0	0		13	13	314	314	166.0	164.9
8/1/2025	8	60	10.5		142		8		45		82		0			13		314		167.3	
8/1/2025	9	60	10.4		141		14		46		70		0			13		315		168.2	
8/1/2025	10	60	10.5		141		8		41		80		0			13		314		167.8	
8/1/2025	11	60	10.9		140		11		42		74		1	1		13		315	314	155.6	164.7
8/1/2025	12	60	10.4		140		13		50		75		1			13		314		167.4	
8/1/2025	13	60	10.3		142		7		49		86		0			13		315		166.5	
8/1/2025	14	60	10.1		140		13		68		81		1			13		314		166.6	
8/1/2025	15	60	9.8		141		8		65		87		1	1		13	13	314	314	167.4	167.0
8/1/2025	16	60	9.9		138		4		53		92		2			13		314		167.6	
8/1/2025	17	60	10.1		138		11		63		83		7			13		315		167.6	
8/1/2025	18	60	10.4		137		12		57		79		0			13		314		166.8	
8/1/2025	19	60	10.2		142		16		94		83		1	2		13		315	314	167.4	167.4
8/1/2025	20	60	10.3		140		11		71		85		0			13		314		166.9	
8/1/2025	21	60	10.2		140		11		67		84		1			13		315		167.2	
8/1/2025	22	60	10.3		141		7		58		87		0			13		314		167.0	
8/1/2025	23	60	10.4		140		5		49		89		0	0		13	13	315	314	166.6	166.9

Average:
Geometric Mean Average:

Limit:

140	9
≤ 150 24-HR Block Avg.	≤ 29 24-HR Geometric Mean

OR

82
≥ 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 8/1/25

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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.
8/1/2025	0	60	10.4		142		17		40		56		5			13		315		168.4	
8/1/2025	1	60	10.5		138		21		38		45		5			13		315		169.3	
8/1/2025	2	60	10.8		140		30		43		29		5			13		315		168.7	
8/1/2025	3	60	11.0		139		4		41		90		5	5		13		314	315	169.0	168.8
8/1/2025	4	60	10.7		142		0		42		100		3			13		316		167.8	
8/1/2025	5	60	10.5		138		0		46		100		3			13		315		168.2	
8/1/2025	6	60	10.5		141		2		71		98		3			13		315		168.9	
8/1/2025	7	60	10.5		140		0		46		100		2	3		13	13	315	315	167.5	168.1
8/1/2025	8	60	10.2		139		0		41		99		2			13		315		168.5	
8/1/2025	9	60	10.3		142		22		65		66		3			13		315		168.7	
8/1/2025	10	60	10.4		137		14		57	IBM	76	IBM	3			13		315		164.9	
8/1/2025	11	60	10.4		143		0		34	IBM	100	IBM	3	3		13		315	315	159.5	165.4
8/1/2025	12	60	10.2		136		5		42		88		2			13		314		167.7	
8/1/2025	13	60	10.5		145		9		65		86		3			13		315		164.4	
8/1/2025	14	60	10.8		136		7		69		90		3			13		315		161.6	
8/1/2025	15	60	10.5		140		0		51		100		3	3		13	13	316	315	166.6	165.1
8/1/2025	16	60	10.5		141		0		42		100		3			13		315		169.0	
8/1/2025	17	60	10.6		138		0		42		100		2			13		315		168.6	
8/1/2025	18	60	10.7		139		0		43		100		2			13		315		169.2	
8/1/2025	19	60	10.8		140		0		43		100		2	2		13		315	315	166.8	168.4
8/1/2025	20	60	10.8		139		1		58		98		2			13		315		168.3	
8/1/2025	21	60	10.7		139		1		52		98		2			13		315		167.5	
8/1/2025	22	60	10.7		140		2		52		96		2			13		315		169.2	
8/1/2025	23	60	10.7		140		0		32		100		2	2		13	13	315	315	167.6	168.1

Average: Geometric Mean Average:	140	1	OR	99	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 01-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	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	2	IC	5	IC	1	1	1	1	1	1	1
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	1	1	1	1
20	1	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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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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