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

PERFORMANCE FOR THE PLANET

Date 1/13/26

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

Plant Wheelabrator North Andover
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.	4 Hr Block
1/13/2026	0	60	10.1		140		0		25		100		1				13		314		165.0	
1/13/2026	1	60	9.9		144		0		23		100		1				13		314		166.6	
1/13/2026	2	60	10.1		142		0		23		100		1				13		315		166.4	
1/13/2026	3	60	10.0		140		0		28		100		1		1		13		314	314	165.7	165.9
1/13/2026	4	60	10.2		144		1		36		96		1				13		315		166.6	
1/13/2026	5	60	10.1		142		0		47		99		0				13		314		167.3	
1/13/2026	6	60	10.4		141		0		25		100		0				13		314		166.0	
1/13/2026	7	60	9.8		141		0		23		100		1		1		13	13	315	314	167.9	167.0
1/13/2026	8	60	10.1		141		0		22		100		1				13		314		167.6	
1/13/2026	9	60	10.2		141		0		17		100		2				13		315		165.6	
1/13/2026	10	60	9.9		141		0		22	IBM	100	IBM	3				13		315		167.4	
1/13/2026	11	60	9.9		141		0		33		100		1		2		13		314	315	166.9	166.9
1/13/2026	12	60	9.8		141		0		29		100		2				13		314		164.5	
1/13/2026	13	60	10.4		142		0		30		100		2				13		315		166.4	
1/13/2026	14	60	10.4		139		0		31		100		2				13		314		165.1	
1/13/2026	15	60	10.0		140		0		31		100		3		2		13	13	315	315	166.4	165.6
1/13/2026	16	60	10.5		141		0		23		100		2				13		314		160.2	
1/13/2026	17	60	10.2		141		0		22		100		1				13		314		167.4	
1/13/2026	18	60	10.4		142		0		32		100		2				13		314		167.1	
1/13/2026	19	60	10.4		141		0		26		100		1		2		13		314	314	165.4	165.0
1/13/2026	20	60	10.2		141		0		28		100		1				13		314		167.2	
1/13/2026	21	60	10.3		140		0		28		100		1				13		315		166.1	
1/13/2026	22	60	10.1		144		0		24		100		1				13		314		166.7	
1/13/2026	23	60	10.1		140		0		32		100		1		1		13	13	314	314	166.6	166.7

Average:	141					see above	see above	see above	see above	see above
Geometric Mean Average:		0		100						
Limit:	≤ 150 24-HR Block Avg.	≤ 29 24-HR Geometric Mean	**OR**	≥ 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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PERFORMANCE FOR THE PLANET

Date 1/13/26

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Plant Wheelabrator North Andover
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.	4 Hr Block
1/13/2026	0	60	10.5		141		0		49		100		5				14		315		166.9	
1/13/2026	1	60	10.4		145		0		39		100		5				13		315		168.1	
1/13/2026	2	60	10.5		142		0		36		100		5				14		315		167.3	
1/13/2026	3	60	10.5		142		0		45		100		5		5		14		315	315	167.3	167.4
1/13/2026	4	60	10.5		140		0		45		100		7				13		315		167.3	
1/13/2026	5	60	10.6		141		2		55		96		5				13		315		167.8	
1/13/2026	6	60	10.8		142		0		38		100		5				13		315		166.6	
1/13/2026	7	60	10.7		140		0		42		100		5		6		13	13	315	315	168.1	167.4
1/13/2026	8	60	10.6		137		2		54		96		6				13		316		167.3	
1/13/2026	9	60	10.7		141		0		40		100		8				13		315		167.6	
1/13/2026	10	60	10.7		141		0		34	IBM	100	IBM	11				13		315		167.3	
1/13/2026	11	60	10.5		141		0		29		100		7		8		13		315	315	167.6	167.5
1/13/2026	12	60	11.1		144		0		26		100		9				13		315		154.6	
1/13/2026	13	60	10.5		140		0		34		100		7				13		315		167.5	
1/13/2026	14	60	10.3		145		0		29		100		7				13		315		166.6	
1/13/2026	15	60	10.2		142		0		27		100		6		7		13	13	315	315	167.0	163.9
1/13/2026	16	60	10.1		144		0		27		100		8				13		315		167.9	
1/13/2026	17	60	10.0		139		0		30		100		6				13		315		168.0	
1/13/2026	18	60	10.1		141		0		44		100		6				14		315		167.9	
1/13/2026	19	60	10.1		140		0		29		100		6		6		14		315	315	167.2	167.7
1/13/2026	20	60	10.0		139		0		27		100		5				13		315		168.0	
1/13/2026	21	60	10.2		138		0		32		100		5				13		314		167.6	
1/13/2026	22	60	10.3		140		0		43		99		5				13		314		167.0	
1/13/2026	23	60	10.3		142		0		42		100		5		5		13	13	316	315	167.8	167.6

Average:	141			see above	see above	see above	see above
Geometric Mean Average:		0					
Limit:	≤ 150 24-HR Block Avg.	≤ 29 24-HR Geometric Mean	**OR** ≥ 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 13-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	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	0	0	0	0	0	0	0	0
6	2	IC	5	IC	0	0	0	0	0	0	0	0	1
7	0		0		0	0	0	0	0	0	0	0	0
8	0		0		0	0	0	0	0	0	0	0	0
9	0		0		0	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		0	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 13-Jan-2026

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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	1	IC	6	IC	2	2	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	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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