



COMPLIANCE SUMMARY REPORT

Date 12/30/21

Plant Wheelabrator North Andover
 Unit Unit 1
 Source Outlet

FMP

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.
12/30/2021	0	60	10.1		172		20		34		41		6			14		304		166.6	
12/30/2021	1	60	10.3		196		28		81		65		6			14		308		167.3	
12/30/2021	2	60	10.7		194		22		60		64		6			14		308		164.9	
12/30/2021	3	60	10.2		185		23		48		53		6	6		15		312	308	169.6	167.1
12/30/2021	4	60	10.5		189		27		82		67		6			15		313		166.9	
12/30/2021	5	60	10.5		186		20		69		70		7			14		302		164.5	
12/30/2021	6	60	10.8		180		13		21		39		7			14		301		161.0	
12/30/2021	7	60	10.2		184		19		37		49		7	7		14	14	306	306	166.1	164.6
12/30/2021	8	60	10.4		179		16		26		40		7			14		303		165.6	
12/30/2021	9	60	10.9		187		11		12		3		7			14		306		163.0	
12/30/2021	10	60	10.2		183		8		9		9		7			14		313		166.2	
12/30/2021	11	24	12.8	IF	216	IF	11	IF	8	IBF	0	IBF	63	IF	7	14	0	313	307	138.8	164.9
12/30/2021	12	0	20.6	IF	74	IF	11	IF	154	IBF	93	IBF	245	IF		6		311		17.6	
12/30/2021	13	0	20.7	IF	50	IF	10	IF	198	IBF	95	IBF	105	IF		0		287		11.9	
12/30/2021	14	0	20.8	IF	40	IF	9	IF	214	IBF	96	IBF	56	IF		0		265		3.1	
12/30/2021	15	0	20.8	IF	37	IF	9	IF	197	IBF	96	IBF	36	IF	111	14	0	247	277	0.6	8.3
12/30/2021	16	0	20.9	IF	35	IF	9	IF	187	IBF	95	IBF	28	IF		0		232		0.1	
12/30/2021	17	0	20.9	IF	33	IF	8	IF	186	IBF	96	IBF	23	IF		0		221		0.1	
12/30/2021	18	0	20.9	IF	35	IF	8	IF	184	IBF	96	IBF	19	IF		0		210		11.7	
12/30/2021	19	0	20.9	IF	31	IF	8	IF	180	IBF	95	IBF	15	IF	21	IF	0	201	216	4.6	4.1
12/30/2021	20	0	20.9	IF	30	IF	8	IF	178	IBF	95	IBF	11	IF		0		195		0.3	
12/30/2021	21	0	20.9	IF	27	IF	8	IF	173	IBF	95	IBF	8	IF		0		186		0.0	
12/30/2021	22	0	20.9	IF	25	IF	8	IF	160	IBF	95	IBF	6	IF		0		177		0.0	
12/30/2021	23	0	20.9	IF	24	IF	8	IF	149	IBF	95	IBF	4	IF	8	IF	0	170	182	0.0	0.1

Average:
Geometric Mean Average:

Limit:

185	18
≤ 205 24-HR Block Avg.	≤ 29 24-HR Geometric Mean

OR

49
≥ 75% 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



COMPLIANCE SUMMARY REPORT

Date 12/30/21

Plant Wheelabrator North Andover
 Unit Unit 2
 Source Outlet

FMP

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.
12/30/2021	0	60	9.8		188		23		53		57		2			14		310		165.7	
12/30/2021	1	60	10.0		184		30		93		68		2			14		310		165.9	
12/30/2021	2	60	10.0		189		21		54		62		3			15		310		165.3	
12/30/2021	3	60	9.6		175		16		57		72		2	3		14		310	310	168.4	166.3
12/30/2021	4	60	9.8		182		18		81		78		2			14		310		169.9	
12/30/2021	5	60	10.3		189		11		28		60		3			14		310		160.9	
12/30/2021	6	60	10.0		173		8		17		51		29			14		310		164.4	
12/30/2021	7	60	9.7		184		14		44		69		3	9		14	14	309	309	164.7	165.0
12/30/2021	8	60	9.8		179		14		39		63		4			14		309		165.7	
12/30/2021	9	60	9.8		184		16		28		42		4			14		310		165.6	
12/30/2021	10	60	9.8		185		8		19		58		3			14		310		166.0	
12/30/2021	11	60	9.7		189		2		15		84		3	3		14		310	310	165.8	165.8
12/30/2021	12	60	9.8		188		11		25		57		3			14		310		165.5	
12/30/2021	13	60	9.8		187		2		18		89		2			14		310		166.8	
12/30/2021	14	60	9.9		193		13		36		63		2			14		309		165.7	
12/30/2021	15	60	10.4		192		15		46		68		2	2		14	14	310	310	165.9	166.0
12/30/2021	16	60	10.0		192		5		27		82		2			14		311		166.0	
12/30/2021	17	60	10.0		190		14		44		68		2			14		310		166.1	
12/30/2021	18	60	10.0		186		22		45		51		3			14		310		165.6	
12/30/2021	19	60	9.8		186		26		55		52		3	2		14		310	310	165.9	165.9
12/30/2021	20	60	10.2		185		27		79		66		2			14		310		165.7	
12/30/2021	21	60	10.2		190		21		69		70		2			14		310		166.1	
12/30/2021	22	60	10.2		192		13		47		72		2			14		310		165.6	
12/30/2021	23	60	9.9		193		8		33		75		2	2		14	14	310	310	165.8	165.8

Average:
Geometric Mean Average:

Limit:

186
≤ 205 24-HR Block Avg.

13
≤ 29 24-HR Geometric Mean

OR

68
≥ 75% 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
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- E - Excluded
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- * - Shutdown

OPACITY REPORT

Date 30-Dec-2021

Plant Wheelabrator North Andover
 Unit Unit 1
 Source Outlet
 PLC 192.168.2.42

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	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.2	1.2
1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.2
2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
3	1.2	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
4	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
5	1.2	1.3	1.2	1.3	1.3	1.2	1.3	1.2	1.2	1.2	1.2
6	1.8 IC	5.2 IC	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.7
7	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
8	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
9	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.2	1.2
10	1.2	1.2	1.2	1.3	1.2	1.2	1.2	1.2	1.3	1.3	1.2
11	1.3	1.3	1.3	1.5	1.9 IF	1.3 IF	0.6 IF	0.6 IF	0.6 IF	0.7 IF	1.2
12	0.7 IF	0.7 IF	0.8 IF	0.7 IF	0.8 IF	0.8 IF	0.9 IF	0.8 IF	0.7 IF	0.5 IF	0.7
13	0.5 IF	0.5 IF	0.5 IF	0.5 IF	0.5 IF	0.4 IF	0.5 IF	0.4 IF	0.5 IF	0.4 IF	0.5
14	0.4 IF	0.6 IF	0.8 IF	0.8 IF	0.7 IF	0.6 IF	0.5 IF	0.6 IF	0.5 IF	0.5 IF	0.6
15	0.6 IF	0.7 IF	0.5 IF	0.5 IF	0.5 IF	0.5 IF	0.5 IF	0.6 IF	0.6 IF	0.6 IF	0.6
16	0.5 IF	0.5 IF	0.5 IF	0.5 IF	0.5 IF	0.5 IF	0.6 IF	0.6 IF	0.6 IF	0.5 IF	0.5
17	0.5 IF	0.6 IF	0.6 IF	0.7 IF	0.6 IF	0.5 IF	0.4 IF	0.5 IF	0.5 IF	0.5 IF	0.5
18	0.5 IF	0.5 IF	0.5 IF	0.5 IF	0.4 IF	0.5 IF	0.6 IF	0.6 IF	0.7 IF	0.6 IF	0.5
19	0.7 IF	0.6 IF	0.6 IF	0.6 IF	0.6 IF	0.6 IF	0.6 IF	0.6 IF	0.6 IF	0.6 IF	0.6
20	0.7 IF	0.6 IF	0.6 IF	0.7 IF	0.6 IF	0.6 IF	0.7 IF	0.7 IF	0.6 IF	0.6 IF	0.6
21	0.7 IF	0.6 IF	0.6 IF	0.7 IF	0.6 IF	0.6 IF	0.7 IF	0.7 IF	0.6 IF	0.6 IF	0.6
22	0.7 IF	0.6 IF	0.7 IF	0.7 IF	0.6 IF	0.7 IF	0.7 IF	0.6 IF	0.7 IF	0.7 IF	0.7
23	0.6 IF	0.6 IF	0.7 IF	0.7 IF	0.8 IF	0.7 IF	0.7 IF	0.7 IF	0.7 IF	0.7 IF	0.7

OPACITY REPORT

Date 30-Dec-2021

Plant Wheelabrator North Andover
 Unit Unit 2
 Source Outlet
 PLC 192.168.2.44

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	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
1	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
2	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
3	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
4	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
6	1.9 IBC	5.7 IBC	1.6	1.6	1.5	1.5	1.6	1.6	1.6	1.5	2.1
7	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
8	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
9	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
10	1.6	1.7	1.7	1.7	1.7	1.7	1.6	1.7	1.7	1.7	1.7
11	1.6	1.7	1.6	1.6	1.7	1.7	1.6	1.6	1.6	1.6	1.6
12	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.7	1.6	1.7	1.6
13	1.6	1.6	1.6	1.6	1.6	1.7	1.6	1.6	1.6	1.6	1.6
14	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
15	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
16	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
17	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
18	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
19	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
20	1.6	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
21	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
22	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
23	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6