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Table B-14 Auxiliary Boiler Hazardous Air Pollutant Emissions - Siemens SGT6-8000H

	Heat Input:	105.00	MMBtu/hr			
	Permitted Hours:	8,760	hrs/yr			

CAS No.	Pollutant	Emission Factor[a] (lb/10^6 scf)	Emission Factor (lb/MMBtu)	Emission Factor Rating	Emission Rate (lb/hr)	Emission Rate (tpy)
91-57-6	2-Methylnaphthalene	2.40E-05	2.35E-08	D	2.47E-06	1.08E-05
56-49-5	3-Methylchloranthrene	1.80E-06	1.76E-09	E	1.85E-07	8.12E-07
	7,12-Dimethylbenz(a)anthracene	1.60E-05	1.57E-08	E	1.65E-06	7.21E-06
83-32-9	Acenaphthene	1.80E-06	1.76E-09	E	1.85E-07	8.12E-07
203-96-8	Acenaphthylene	1.80E-06	1.76E-09	E	1.85E-07	8.12E-07
120-12-7	Anthracene	2.40E-06	2.35E-09	E	2.47E-07	1.08E-06
56-55-3	Benz(a)anthracene	1.80E-06	1.76E-09	E	1.85E-07	8.12E-07
71-43-2	Benzene	2.10E-03	2.06E-06	B	2.16E-04	9.47E-04
50-32-8	Benzo(a)pyrene	1.20E-06	1.18E-09	E	1.24E-07	5.41E-07
205-99-2	Benzo(b)fluoranthene	1.80E-06	1.76E-09	E	1.85E-07	8.12E-07
191-24-2	Benzo(g,h,i)perylene	1.20E-06	1.18E-09	E	1.24E-07	5.41E-07
207-08-9	Benzo(k)fluoranthene	1.80E-06	1.76E-09	E	1.85E-07	8.12E-07
218-01-9	Chrysene	1.80E-06	1.76E-09	E	1.85E-07	8.12E-07
53-70-3	Dibenzo(a,h)anthracene	1.20E-06	1.18E-09	E	1.24E-07	5.41E-07
25321-22-6	Dichlorobenzene	1.20E-03	1.18E-06	E	1.24E-04	5.41E-04
206-44-0	Fluoranthene	3.00E-06	2.94E-09	E	3.09E-07	1.35E-06
86-73-7	Fluorene	2.80E-06	2.75E-09	E	2.88E-07	1.26E-06
50-00-0	Formaldehyde	7.50E-02	7.35E-05	B	7.72E-03	3.38E-02
110-54-3	Hexane[b]	1.30E-03	1.27E-06	E	1.34E-04	5.86E-04
193-39-5	Indeno(1,2,3-cd)pyrene	1.80E-06	1.76E-09	E	1.85E-07	8.12E-07
91-20-3	Naphthalene	6.10E-04	5.98E-07	E	6.28E-05	2.75E-04
85-01-8	Phenanathrene	1.70E-05	1.67E-08	D	1.75E-06	7.67E-06
129-00-0	Pyrene	5.00E-06	4.90E-09	E	5.15E-07	2.25E-06
108-88-3	Toluene	3.40E-03	3.33E-06	C	3.50E-04	1.53E-03
7440-38-2	Arsenic	2.00E-04	1.96E-07	E	2.06E-05	9.02E-05
7440-41-7	Beryllium	1.20E-05	1.18E-08	E	1.24E-06	5.41E-06
7440-43-9	Cadmium	1.10E-03	1.08E-06	D	1.13E-04	4.96E-04
7440-47-3	Chromium	1.40E-03	1.37E-06	D	1.44E-04	6.31E-04
7440-48-4	Cobalt	8.40E-05	8.24E-08	D	8.65E-06	3.79E-05
7439-92-1	Lead	5.00E-04	4.90E-07		5.15E-05	2.25E-04
7439-96-5	Manganese	3.80E-04	3.73E-07	D	3.91E-05	1.71E-04
7439-97-6	Mercury	2.60E-04	2.55E-07	D	2.68E-05	1.17E-04
7440-02-0	Nickel	2.10E-03	2.06E-06	C	2.16E-04	9.47E-04
7782-49-2	Selenium	2.40E-05	2.35E-08	E	2.47E-06	1.08E-05
Maximum HAP						0.03
Total						0.04

a) EPA AP-42, Tables 1.4-3 and 1.4-4, July 1998

b) Emission factor for hexane fo natural gas fired external combustion equipment presented in AP-42 Section 1.4 are are not sonsistent with other organic HAPs present in Table 1.4-3. Therefore, hexane Efs for natural gas fired external combustion equipment are baded on B 2588 combustion emission factors, Ventura County APCD

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Table B-15 Hazardous Air Pollutant Emissions HAPs Exemption Analysis - Siemens SGT6-8000H

Pollutant	Total - New Source		Virginia Air Toxics Exeption Levels		Exempt Hourly	Exempt Annually	SAAC (ug/m3	
	Emission Rate		Maximum Hourly	Annual				
	lb/hr	tpy	lb/hr	tpy	Yes/No	Yes/No	Hourly	Annual
1,3-Butadiene	2.77E-03	1.18E-02	1.452	3.19	Yes	Yes		
2-Methylnaphthalene	4.95E-05	2.17E-04	*	*	Yes	Yes		
3-Methylchloranthrene	3.71E-06	1.62E-05	*	*	Yes	Yes		
7,12-Dimethylbenz(a)anthracene	3.30E-05	1.44E-04	*	*	Yes	Yes		
Acenaphthene	3.71E-06	1.62E-05	*	*	Yes	Yes		
Acenaphthylene	3.71E-06	1.62E-05	*	*	Yes	Yes		
Acetaldehyde	2.52E-01	1.09E+00	8.91	26.1	Yes	Yes		
Acrolein	4.03E-02	1.75E-01	0.02277	0.03335	**No**	**No**	17.25	0.46
Anthracene	4.95E-06	2.17E-05	*	*	Yes	Yes		
Benz(a)anthracene	3.71E-06	1.62E-05	*	*	Yes	Yes		
Benzene	1.01E-01	3.52E-01	2.112	4.64	Yes	Yes		
Benzo(a)pyrene	2.47E-06	1.08E-05	*	*	Yes	Yes		
Benzo(b)fluoranthene	3.71E-06	1.62E-05	*	*	Yes	Yes		
Benzo(g,h,i)perylene	2.47E-06	1.08E-05	*	*	Yes	Yes		
Benzo(k)fluoranthene	3.71E-06	1.62E-05	*	*	Yes	Yes		
Chrysene	3.71E-06	1.62E-05	*	*	Yes	Yes		
Dibenzo(a,h)anthracene	2.47E-06	1.08E-05	*	*	Yes	Yes		
Dichlorobenzene	2.47E-03	1.08E-02	21.813	65.395	Yes	Yes		
Ethylbenzene	1.99E-01	8.74E-01	17.919	62.93	Yes	Yes		
Fluoranthene	6.18E-06	2.71E-05	*	*	Yes	Yes		
Fluorene	5.77E-06	2.53E-05	*	*	Yes	Yes		
Formaldehyde	1.67E+00	7.28E+00	0.0825	0.174	**No**	**No**	62.5	2.4
Hexane	2.73E-03	1.20E-02	11.616	25.52	Yes	Yes		
Indeno(1,2,3-cd)pyrene	3.71E-06	1.62E-05	*	*	Yes	Yes		
Naphthalene	1.29E-02	4.19E-02	2.607	7.54	Yes	Yes		
PAH	1.95E-02	6.15E-02	*	*	Yes	Yes		
Phenanathrene	3.50E-05	1.53E-04	*	*	Yes	Yes		
Propylene Oxide	2.57E-01	8.11E-01	3.168	6.96	Yes	Yes		
Pyrene	1.03E-05	4.51E-05	*	*	Yes	Yes		
Toluene	8.25E-01	3.58E+00	18.645	54.665	Yes	Yes		
Xylenes	4.04E-01	1.75E+00	21.483	62.93	Yes	Yes		
Arsenic	4.12E-04	1.81E-03	0.0132	0.029	Yes	Yes		
Beryllium	2.47E-05	1.08E-04	0.000132	0.00029	Yes	Yes		
Cadmium	2.27E-03	9.93E-03	0.0033	0.00725	Yes	**No**	2.5	0.1
Chromium	2.89E-03	1.26E-02	0.0033	0.00725	Yes	**No**	2.5	0.1
Cobalt	1.73E-04	7.58E-04	0.0033	0.00725	Yes	Yes		
Lead	4.33E-03	1.80E-02	0.0099	0.02175	Yes	Yes		
Manganese	7.83E-04	3.43E-03	0.33	0.725	Yes	Yes		
Mercury	5.36E-04	2.35E-03	0.0033	0.00725	Yes	Yes		
Nickel	4.33E-03	1.90E-02	0.0066	0.0145	Yes	**No**	5	0.2
Selenium	4.95E-05	2.17E-04	0.0132	0.029	Yes	Yes		

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Table B-16 Greenhouse Gas Emissions - Siemens SGT6-8000H

Potential Carbon Dioxide Equivalent (CO_2e) Emissions from the Combustion Sources														
	Heat Input (MMBtu/hr)		Maximum Annual		CO_2			CH_4			N_2O			CO_2e
			Operating Hours	Potential Heat Input	Emissions Factor‡	Potential Emissions (short tpy)		Emissions Factor §	Potential Emissions (short tpy)		Emissions Factor §	Potential Emissions (short tpy)		Potential Emissions
Emissions Source	LHV *	HHV *	(hr/yr)	(MMBtu/yr)	(kg/MMBtu)	CO_2	CO_2e ¥	(kg/MMBtu)	CH_4	CO_2e ¥	(kg/MMBtu)	N_2O	CO_2e ¥	(short tpy)
Scenario 1														
CT1 - Steady State - NG		3,116	8760	27,299,337	53.02	1,595,770	1,595,770	1.0E-03	30.10	752	1.0E-04	3.01	897	1,597,420
CT2 - Steady State - NG		3,116	8760	27,299,337	53.02	1,595,770	1,595,770	1.0E-03	30.10	752	1.0E-04	3.01	897	1,597,420
CT1 -Duct Burner		991	8760	8,678,050	53.02	507,272	507,272	1.0E-03	9.57	239	1.0E-04	0.96	285	507,796
CT2 -Duct Burner		991	8760	8,678,050	53.02	507,272	507,272	1.0E-03	9.57	239	1.0E-04	0.96	285	507,796
														4,210,431
Scenario 2														
CT1 - Steady State - NG		3,116	8,389	26,143,686	53.02	1,528,217	1,528,217	1.0E-03	28.82	721	1.0E-04	2.88	859	1,529,797
CT2 - Steady State - NG		3,116	8,389	26,143,686	53.02	1,528,217	1,528,217	1.0E-03	28.82	721	1.0E-04	2.88	859	1,529,797
CT1- Startup - NG		1,870	371	693,574	53.02	40,543	40,543	1.0E-03	0.76	19	1.0E-04	0.08	23	40,584
CT2- Startup - NG		1,870	371	693,574	53.02	40,543	40,543	1.0E-03	0.76	19	1.0E-04	0.08	23	40,584
CT1 -Duct Burner		991	8,389	8,310,686	53.02	485,797	485,797	1.0E-03	9.16	229	1.0E-04	0.92	273	486,300
CT2 -Duct Burner		991	8,389	8,310,686	53.02	485,797	485,797	1.0E-03	9.16	229	1.0E-04	0.92	273	486,300
														4,113,362
Auxiliary Equipment														
Auxiliary Boiler		105.00	8,760	919,800	53.02	53,766	53,766	1.0E-03	1.01	25	1.0E-04	0.10	30	53,822
Dew Point Heater		16.00	8,760	140,160	53.02	8,193.0	8,193.0	1.0E-03	0.155	3.9	1.0E-04	0.02	4.6	8,201
Emergency Generator		25.43	500	12,716	73.96	1,037	1,037	3.0E-03	0.04	1	6.0E-04	0.01	3	1,040
FWP		2.21	500	1,103	73.96	90	90	3.0E-03	0.00	0	6.0E-04	0.00	0	90
														63,154
									Total CO_2e Potential Annual Emissions					4,273,585

Potential CO_2e Emissions from Natural Gas Piping Components					
		Emissions Factor per Component	Annual Emissions (tpy)		
Component	Number of Components	(scf/hr) £	CO_2 ß	CH_4 ß	CO_2e ¥
Valve	400	0.027	0.05	1.93	48.2
Connectors	700	0.003	0.01	0.37	9.4
Relief valve	20	0.04	0.00	0.14	3.6
		Total	0.1	2.4	61

Potential CO_2e Emissions from Circuit Breakers						
	Quantity SF_6 Insulating Gas			Annual Emissions		
Number of Circuit Breakers	Per Component (lb)	Total (lb)	Annual Leak Rate (%)	SF_6 lb/yr	SF_6 tpy	CO_2e ¥ tpy
4	1900	7600.00	0.50	38.0	0.019	433.2
2	30	60.00	0.50	0.3	0.00015	3.4
					Total	437

Total Facility Potential CO_2e Emissions	
	Annual ¥ (tpy)
CTs	3,194,840
Duct Burner	1,015,592
Auxiliary Boiler	53,822
Dew Point Heater	8,201
Emergency Generator	1,040
FWP	90
NG piping	61
Circuit breakers	437
Total	4,274,083

Total Facility Potential CO_2 Emissions	
	Annual (tpy)
CTs	3,191,541
Duct Burner	1,014,543
Auxiliary Boiler	53,766
Dew Point Heater	8,193
Emergency Generator	1,037
FWP	90
NG piping	0.1
Total	4,269,170

Total Facility Potential CH_4 Emissions	
	Annual (tpy)
CTs	60
Duct Burner	19
Auxiliary Boiler	1.01
Dew Point Heater	0.15
Emergency Generator	0.04
FWP	0.00
NG piping	2.44
Total	83.0

Total Facility Potential N_2O Emissions	
	Annual (tpy)
CTs	6
Duct Burner	2
Auxiliary Boiler	0.10
Dew Point Heater	0.02
Emergency Generator	0.01
FWP	0.00
Total	8.1

*Maximum heat input across all loads and temperatures

‡Mandatory Reporting of Greenhouse Gases, Final Rule; Federal Register Vol. 74, No. 209, October 30, 2009, Table C-1 to Subpart C of Part 98.

§Mandatory Reporting of Greenhouse Gases, Final Rule; Federal Register Vol. 74, No. 209, October 30, 2009, Table C-2 to Subpart C of Part 98.

¥Based on global warming potential of 1 for CO_2, 25 for CH_4, 298 for N_2O, and 22,800 for SF_6.

£Based on 40 CFR 98, Table W-1a for Eastern United States.

ßBased on natural gas composition of 98-percent CH_4 and 1-percent CO_2.

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Table B-17 Annual CO2 Emission Rate - Siemens SGT6-8000H

Annual CO_2 Emission Rate Derivation - Siemens Unit - Natural Gas				
	Parameter	Units	SGT6-8000H	
Operating Mode	Annual Avg. Ambient Condition Base	(°F)	59	mid temperature range for plant expected to run all year
	Min Load Definition	(% of Full Load)	50.0%	Siemens
	Heat Input	MMBtu/hr	7,702	Siemens case 32; CT + DB (Two Turbines)
	Full/Base Load Annual Avg.	(MWhgross)	1085	Siemens
	Min Load Annual Avg.	(MWhgross)	0	
	Full/Base Load Steady State Operation	(% of annual hours)	100%	assumption
	Min Load Steady State Operation	(% of annual hours)	0%	assumption
Startup HOT	Start Time to 100% Load	(min)	50	C4GT (hot start)
		(MW/min)	29	
	Ramp Rate	(%/min)	1.00	= min load (%)/40 min
	Time in Load Ramp to Min Load	(min)	50	C4GT
	Start Time to Min Load	(min)	50	C4GT (hot start)
	Estimated Power Generated During Start	(MWhgross)	1450	assumed 29MW/min; 29 MW/min * 50 min
	Starts per Year	(#)	400	assumption - based on Gas only scenario (2 turbines)
	Total Time in Start	(min)	20,000	= 50 min x 400
	Total Power Generated in Start	(MWhgross)	580,000	power output during event x number of events
	Fuel Use Turning Gear to Min Load	(MMBtu)	1340	Siemens/C4GT (hot start) assumes 23,300 btu/lb
	Start CO Emissions to 100% Load	(lb/event)	-	
	Estimated Start CO Emissions to Min Load	(lb/event)	133,223	=fuel used (MMBtu) x 53.02 kg/MMBtu x 2.2046 lb/kg
	Estimated Start CO Emissions	(tons/yr)	26,645	=lb CO2/event x events/year x ton/2,000 lb
Startup Warm	Start Time to 100% Load	(min)	55	C4GT (warm start)
		(MW/min)	-	
	Ramp Rate	(%/min)	0.91	= min load (%)/50 min
	Time in Load Ramp to Min Load	(min)	55	C4GT
	Start Time to Min Load	(min)	55	C4GT (warm start)
	Estimated Power Generated During Start	(MWhgross)	1595	assumed 29MW/min; 29 MW/min * 55 min
	Starts per Year	(#)	80	assumption - based on Gas only scenario (two Turbines)
	Total Time in Start	(min)	4,400	= 55 min x 80
	Total Power Generated in Start	(MWhgross)	127,600	power output during event x number of events
	Fuel Use Turning Gear to Min Load	(MMBtu)	1418	Siemens/C4GT (hot start) assumes 23,300 btu/lb
	Start CO Emissions to 100% Load	(lb/event)	-	
	Estimated Start CO Emissions to Min Load	(lb/event)	165,768	=fuel used (MMBtu) x 53.02 kg/MMBtu x 2.2046 lb/kg
	Estimated Start CO Emissions	(tons/yr)	6,631	=lb CO2/event x events/year x ton/2,000 lb
Startup COLD	Start Time to 100% Load	(min)	55	C4GT (cold start)
		(MW/min)		
	Ramp Rate	(%/min)	0.91	= min load (%)/600 min
	Time in Load Ramp to Min Load	(min)	55	C4GT
	Start Time to Min Load	(min)	55	C4GT (cold start)
	Estimated Power Generated During Start	(MWhgross)	1595	assumed 29MW/min; 29 MW/min * 55 min
	Starts per Year	(#)	20	assumption - based on Gas only scenario (two Turbines)
	Total Time in Start	(min)	1,100	=55 min x 20
	Total Power Generated in Start	(MWhgross)	31,900	power output during event x number of events
	Fuel Use Turning Gear to Min Load	(MMBtu)	3120	Siemens/C4GT (hot start) assumes 23,300 btu/lb
	Start CO Emissions to 100% Load	(lb/event)	-	
	Estimated Start CO Emissions to Min Load	(lb/event)	130,893	=fuel used (MMBtu) x 53.02 kg/MMBtu x 2.2046 lb/kg
	Estimated Start CO Emissions	(tons/yr)	2,309	=lb CO2/event x events/year x ton/2,000 lb
Shutdown	Shutdown Time from 100% Load	(min)	38.0	C4GT
		(MW/min)	-	
	Shutdown Ramp Rate	(%/min)		
	Shutdown Time from Min Load	(min)	38.0	C4GT
	Time in Load Ramp from Min Load	(min)	-	
	Power Generated during Shutdown	(MWhgross)	1,102.00	assumed 29MW/min; 29 MW/min * 38 min
	Shutdowns per Year	(#)	500	assumption - based on Gas only scenario (two Turbines)
	Total Time in Shutdown	(min)	19,000	=38 min x 500
	Total Power Generated in Shutdown	(MWhgross)	551,000	
	Fuel Use Min Load to Turning Gear	(MMBtu)	378	Siemens/C4GT (hot start) assumes 23,300 btu/lb
	Shutdown CO Emissions (from 100%)	(lb/event)	-	
	Estimated Shutdown CO Emissions from Min Load	(lb/event)	44,180	=fuel used (MMBtu) x 53.02 kg/MMBtu x 2.2046 lb/kg
	Estimated Shutdown CO Emissions	(tons/yr)	11,045	=lb CO2/event x events/year x ton/2,000 lb
Steady State (Balance of Hours)	Remaining Time in 8,760 hr Period	(min)	1,006,700	= ((8760 hr/yr * 60 min/hr) * 2 turbines) - (Minutes Hot start +Minutes Warm Start+ Minutes Cold Start+Minutes Shutdown)
		(hrs)	16,778	= steady state time (min) x (hr/60 min)
	Generation at Full/Base Load	(MWhgross)	18,204,492	= Base Load (MW) x Base Load % x Steady State (hr)
	Generation at Min Load	(MWhgross)	0	
	New & Clean Gross Heat Rate at Full/Base Load	(Btu/kWh, HHV)	7,098	
	New & Clean Gross Heat Rate at Min Load	(Btu/kWh, HHV)		
	Assumed CO2 Intensity	(lb/MMBtu)	116.9	=53.02 kg/MMBtu x 2.2046 lb/kg
	New & Clean CO2 Emission Rate at Full/Base Load	(lb/MWh)	830	= Base Load (MMBtu/kWh) x 116.9 lb CO2/MMBtu
	New & Clean CO2 Emission Rate at Min Load	(lb/MWh)	0	= Min Load (MMBtu/kWh) x 116.9 lb CO2/MMBtu
	New & Clean Blended Load Steady State Emissions	(tons/yr)	7,552,135	= [Base (MWhs) x (lb/mWh) + Min (MWhr) x (lb/MWh)] x (ton/2,000 lb)
Annual (8,760 hrs) Average Emission Rate Rates	New and Clean	(tons/yr)	7,587,764	Steady State CO2 + Startup CO2 + Shutdown CO2
		(lb/hr avg)	1,734,649	= CO2 (ton/yr) x (yr/8,760 hr) x (2,000 lb/ton)
		(MWhs)	19,494,992	MWh for steady state, startup, and shutdown
		(lb/MWhgross)	779	= CO2 (ton/yr) x (2,000 lb/ton) / (Annual MWh)
	CT/HRSG efficiency losses due to degradation prior to CT/HRSG overhaul	%	6.0	EPA
	auxiliary plant equipment losses due to degradation over time	%	5.0	EPA
	potential difference between the calculated plant heat rate and the actual tested plant heat rate	%	3.3	EPA
	Margined	(tons/yr)	8,532,289	New and Clean tons/yr * 1.06*1.03*1.033
		(lb/hr avg)	1,948,011	= margined CO2 (ton/yr) x (yr/8,760 hr) x (2,000 lb/ton)
		(MWhs)	19,494,992	MWh for steady state, startup, and shutdown
		(lb/MWhgross)	875	= margined CO2 (ton/yr) x (2,000 lb/ton) / (Annual MWh)

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Table B-18 VOC Emissions from Fuel Oil Storage Tanks - Siemens SGT6-8000H

Storage Tank	Capacity gal	Annual Turnovers	Annual Throughput gal/yr	Annual Emissions lb/yr*	Annual Emissions Tons/yr
Emergency Generator	3,000	29	87,000	2.27	0.00114
Fire Water Pump	400	22	8,800	0.26	0.00013
Total					0.00127

Calculated using EPA's Tanks 4.09d program

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APPENDIX C

CONTROL TECHNOLOGY REVIEW FROM EPA's RBLC

Table C-1. BACT Database NOx Emissions Query Results - Combined Cycle CTs/HRSGs

RECID	FACILITY NAME	COUNTY	STATE	PERMIT NUMBER	PERMIT CHANGE DATE	DATE DETERMINATION LAST UPDATED	PROCESS	THROUGHPUT		CONTROL METHOD	EMISSIONS LIMIT	BY %
AA-0873	INTERNATIONAL STATION POWER PLANT	ANCHORAGE	AK	ACC19AAC0701	12/20/10	01/27/12	GE LM6000PC-25 Turbines (4)	39900	hp ISO	Selective Catalytic Reduction and Dry Low NOx Combustors	5	PPMDV	BACT-PSD
AA-0873	INTERNATIONAL STATION POWER PLANT	ANCHORAGE	AK	ACC19AAC0701	12/20/10	01/27/12	Duct Burners (4)	149	MMBtu/hr	Selective Catalytic Reduction	5	PPMDV	BACT-PSD
AA-0873	INTERNATIONAL STATION POWER PLANT	ANCHORAGE	AK	ACC19AAC0701	12/20/10	01/27/12	Cooling Tower (4) (4 Cell Fiberglass Cooling Tower) (4)	1500	gpm	Turbulator jet and Atomizer	0.4	lb/MMBtu
AA-0873	INTERNATIONAL STATION POWER PLANT	ANCHORAGE	AK	ACC19AAC0701	12/20/10	01/27/12	Sigma Thermal Auxiliary Heater (1)	12.5	MMBtu/hr	Low NOx Burners and Flue Gas Recirculation	32	lb/MMscf
AA-0873	INTERNATIONAL STATION POWER PLANT	ANCHORAGE	AK	ACC19AAC0701	12/20/10	01/08/14	Fuel Combustion	39900	HP	Turbines (TU 6b 5 through 8 shall be equipped with Selective Catalytic Reduction and Dry Low NO (DLN combustors. SCR is a post-combustion gas treatment technique for reduction of nitric oxide (NO) and nitrogen dioxide (NO2) in the turbine exhaust stream to molecular dinitrogen, water, and oxygen. This process is accomplished by using ammonia (NH3) as a reducing agent, and is injected into the flue gas upstream of the catalyst bed. By lowering the activation energy of the NOx decomposition removal efficiency of 80 to 90 percent are achievable. DLN combustors utilize multistage premix combustors where the air and fuel is mixed at a lean fuel to air ratio. The excess air in the lean mixture acts as a heat sink, which lowers peak combustion temperatures and also ensures a more homogeneous mixture, both resulting in greatly reduced NOx formation rates. DLN can reduce emissions by about 80%.	5	PPM	BACT-PSD
AA-0873	INTERNATIONAL STATION POWER PLANT	ANCHORAGE	AK	ACC19AAC0701	12/20/10	01/08/14	Duct Combustion	149	MMBtu/hr	Duct Burners (TU 6b 5 through 8 shall be equipped with Selective Catalytic Reduction (SCR). SCR is a post-combustion gas treatment technique for reduction of nitric oxide (NO) and nitrogen dioxide (NO2) in the turbine exhaust stream to molecular dinitrogen, water, and oxygen. This process is accomplished by using ammonia (NH3) as a reducing agent, and is injected into the flue gas upstream of the catalyst bed. By lowering the activation energy of the NOx decomposition removal efficiency of 80 to 90 percent are achievable.	5	PPM	BACT-PSD
AA-0873	INTERNATIONAL STATION POWER PLANT	ANCHORAGE	AK	ACC19AAC0701	12/20/10	01/08/14	Fuel Combustion	12.5	MMBtu/hr	Auxiliary Heater (U 12 shall be equipped with Low NOx Burners/Flue Gas Recirculation (LNB/FGR) designs. Unlike at low stoppel combustion for minimum thermal NOx formation by providing a fuel-rich reducing atmosphere in which molecular nitrogen is preferentially formed rather than NOx. FGR operates recycling a portion of the combustion gases from the stack to the burner windbox. The flue gas is thermodynamically produced, when mixed with combustion air, lower the overall excess oxygen concentration and act as a heat sink to lower the peak flame temperature with results in lower thermal NOx formation.	32	lb/MMscf	BACT-PSD
AA-0873	INTERNATIONAL STATION POWER PLANT	ANCHORAGE	AK	ACC19AAC0701	12/20/10	01/08/14	Fuel Combustion	1300	HP	Gas Boiler (Gas Boiler shall require (U 12 shall be equipped with combustion gas and after cooling. The low flue gas recirculation NOx emissions by lowering the pressure and temperature of the air entering the engine allowing more fuel to be added to increase power output. The transition	0.6	lb/MMBtu
CA-1164	BUTTE (MAC) PROJECT	BUTTE	CA	10-00-01	04/21/97	01/27/06	Fuel Burner	80	HP		7.0	lb/h
CA-1164	BUTTE (MAC) PROJECT	BUTTE	CA	10-00-01	04/21/97	01/27/06	1 COMBUSTION TURBINE	178	MW	SCR(ETAL CATALYTIC REDUCTION	5	PPMVD
CA-1179	DELANO POWER PROJECT LLC	KERN	CA	97-0179	09/23/99	09/12/11	Gas turbine combined cycle	171.7	MW	SCR	5	PPMVD@15% O2(NOx)
CA-1179	DELANO POWER PROJECT LLC	KERN	CA	97-0179	09/07/03	09/12/11	Gas turbine combined cycle	0		SCR	5	PPM
CA-1191	VICTORVILLE 2 POWER PROJECT	SAN BERNARDINO	CA	98-0245	03/21/99	01/31/14	COMBUSTION TURBINE #1 (SOLID STARTUP PERIOD)	134	MW	SCR	3.2	lb/h
CA-1191	VICTORVILLE 2 POWER PROJECT	SAN BERNARDINO	CA	98-07-02	01/21/08	01/08/14	PERIOD")	134	MW	SCR	25	lb/h
CA-1191	VICTORVILLE 2 POWER PROJECT	SAN BERNARDINO	CA	98-07-02	01/21/08	01/08/14	COMBUSTION TURBINE #1 (SHUTDOWN PERIOD)	134	MW	SCR	115	lb/h
CA-1191	VICTORVILLE 2 POWER PROJECT	SAN BERNARDINO	CA	98-07-02	01/21/08	01/08/14	COMBUSTION TURBINE #2 (SOLID STARTUP PERIOD)	134	MW	SCR	115	lb/h
CA-1191	VICTORVILLE 2 POWER PROJECT	SAN BERNARDINO	CA	98-07-02	1/21/08	01/08/14	PERIOD")	134	MW	SCR	27	lb/h
CA-1191	VICTORVILLE 2 POWER PROJECT	SAN BERNARDINO	CA	98-07-02	04/21/10	01/08/14	COMBUSTION TURBINE #2 (SHUTDOWN PERIOD)	134	MW	SCR	115	lb/h
CA-1191	VICTORVILLE 2 POWER PROJECT	SAN BERNARDINO	CA	98-07-01	1/21/08	01/08/14	AUXILIARY HEATER	40	MMBtu/hr	OPERATIONAL RESTRICTION OF 1000 HR/YR	0	PPMVD
CA-1191	VICTORVILLE 2 POWER PROJECT	SAN BERNARDINO	CA	98-07-02	04/21/10	01/08/14	AUXILIARY BOILER	35	MMBtu/hr	OPERATIONAL RESTRICTION OF 500 HR/YR	0	PPMVD
CA-1191	VICTORVILLE 2 POWER PROJECT	SAN BERNARDINO	CA	98-07-01	04/21/10	01/08/14	FIRE PUMP ENGINE	1300	HP	OPERATIONAL RESTRICTION OF 50 HR/YR	0	PPMVD
CA-1191	VICTORVILLE 2 POWER PROJECT	SAN BERNARDINO	CA	98-07-02	1/21/10	01/08/14	FIRE PUMP ENGINE WITH PUMP ENGINE	115	HP	OPERATIONAL RESTRICTION OF 50 HR/YR, OPERATING PLAN REQUIRED FOR HRS BEYOND 50	0.6	G/HP-HR
CA-1196	PITCHER (MAC) PROJECT	KINGS	CA	10-00-01	04/21/11	01/31/14	DUCT BURNER(S)	150	MW	SCR, DRY LOW NOX COMBUSTORS	2	PPMVD
CA-1196	PITCHER (MAC) PROJECT	KINGS	CA	10-00-01	04/21/11	01/31/14	DUCT BURNER(S)	142	MW	SCR, DRY LOW NOX COMBUSTORS	2	PPMVD
CA-1196	PITCHER (MAC) PROJECT	KINGS	CA	10-00-01	04/21/11	01/31/14	DUCT BURNER(S)	142	MW	SCR, DRY LOW NOX COMBUSTORS	2	PPMVD
CA-1196	PITCHER (MAC) PROJECT	KINGS	CA	10-00-01	04/21/11	01/31/14	DUCT BURNER(S)	150	MW	SCR, DRY LOW NOX COMBUSTORS	2	PPMVD
CA-1196	PITCHER (MAC) PROJECT	KINGS	CA	10-00-01	04/21/11	01/31/14	DUCT BURNER(S)	150	MW	SCR, DRY LOW NOX COMBUSTORS	2	PPMVD
CA-1196	PITCHER (MAC) PROJECT	KINGS	CA	10-00-01	04/21/11	01/31/14	DUCT BURNER(S)	150	MW	SCR, DRY LOW NOX COMBUSTORS	2	PPMVD
CA-1196	PITCHER (MAC) PROJECT	KINGS	CA	10-00-01	04/21/11	01/31/14	AUXILIARY BOILER	37.4	MMBtu/hr	METAL LOW NOX BURNERS, USE PUC QUALITY NATURAL GAS, OPERATIONAL RESTRICTION OF 44,878 MMBtu/yr	0	PPMVD
CA-1196	PITCHER (MAC) PROJECT	KINGS	CA	10-00-01	04/21/11	01/31/14	EMERGENCY ENGINE	350	HP	SCR, OPERATIONAL LIMIT OF 20 HR/YR	0.31	G/HP-HR
CA-1196	PITCHER (MAC) PROJECT	KINGS	CA	10-00-01	04/21/11	01/31/14	EMERGENCY IMPRESSED PUMP ENGINE	200	HP	EQUIPPED WITH A TURBOCHARGER AND AN INTERCOOLER/AFTERCOOLER	0.4	G/HP-HR
CA-1199	ELK HILLS POWER LLC	KERN	CA	10-0043	01/21/98	01/31/14	Simultaneous Cycle	140	MW	SCR OR SCONOX	2.5	lb/h
CA-1199	ELK HILLS POWER LLC	KERN	CA	10-0043	01/21/98	01/31/14	Cogeneration	140	MW	SCR OR SCONOX, DRY LOW NOX COMPONENTS	2.5	PPMVD
CA-1199	ELK HILLS POWER LLC	KERN	CA	10-0043	01/21/98	01/31/14	Simple Cycle	140	MW	SCR OR SCONOX	2.5	lb/h
CA-1200	MESQUITE POWER PROJECT	SAN BERNARDINO	CA	98-0025	03/21/01	01/31/14	COMBUSTION TURBINE SIMULATION (STARTUP PERIOD)	138	MW	DRY LOW NOX BURNERS (LNB), SELECTIVE CATALYTIC REDUCTION (SCR)	3.5	PPMVD
CA-1200	MESQUITE POWER PROJECT	SAN BERNARDINO	CA	98-0025	03/21/01	01/31/14	COMBUSTION TURBINE SIMULATION (SHUTDOWN PERIOD)	138	MW	DRY LOW NOX BURNERS (LNB), SELECTIVE CATALYTIC REDUCTION (SCR)	3.5	lb/h (@ STARTUP
CA-1200	MESQUITE POWER PROJECT	SAN BERNARDINO	CA	98-0025	03/21/01	01/31/14	PERIOD)	138	MW	DRY LOW NOX BURNERS (LNB), SELECTIVE CATALYTIC REDUCTION (SCR)	27	lb/hour (DOWN
CA-1211	COLUSA GENERATING STATION	COLUSA	CA	AAC 06-01	01/21/10	01/27/14	COMBUSTION TURBINES (WARM START PERIODS)	172	MW	DRY LOW NOX BURNERS (LNB), SELECTIVE CATALYTIC REDUCTION (SCR)	3.5	lb/h
CA-1211	COLUSA GENERATING STATION	COLUSA	CA	AAC 06-01	01/21/10	01/27/14	COMBUSTION TURBINES (HOT START PERIODS)	172	MW	DRY LOW NOX BURNERS (LNB), SELECTIVE CATALYTIC REDUCTION (SCR)	3.5	lb/h
CA-1211	COLUSA GENERATING STATION	COLUSA	CA	AAC 06-01	01/21/10	01/27/14	COMBUSTION TURBINES (WARM START PERIODS)	172	MW	DRY LOW NOX BURNERS (LNB), SELECTIVE CATALYTIC REDUCTION (SCR)	3.5	lb/h
CA-1211	COLUSA GENERATING STATION	COLUSA	CA	AAC 06-01	01/21/10	01/27/14	WARM BATH HEATER	10	MMBtu/hr		0.0	PPMVD
CA-1211	COLUSA GENERATING STATION	COLUSA	CA	AAC 06-01	01/21/10	01/27/14	COMBUSTION TURBINE (NORMAL OPERATION)	172	MW	DRY LOW NOX BURNERS (LNB), SELECTIVE CATALYTIC REDUCTION (SCR)	3	PPMVD
CA-1211	COLUSA GENERATING STATION	COLUSA	CA	AAC 06-01	01/21/10	01/27/14	COMBUSTION TURBINES (COLD START PERIODS)	172	MW	DRY LOW NOX BURNERS (LNB), SELECTIVE CATALYTIC REDUCTION (SCR)	3.5	lb/h
CA-1212	PALOMAR (WARD) POWER PROJECT	LOS ANGELES	CA	98-0001	10/21/11	01/27/14	AUXILIARY BOILER	130	MMBtu/hr		2	PPMVD
CA-1212	PALOMAR (WARD) POWER PROJECT	LOS ANGELES	CA	98-0001	10/21/11	01/27/14	COMBUSTION TURBINE (NORMAL OPERATION)	134	MW	DRY LOW NOX (DLN) COMBUSTORS, SELECTIVE CATALYTIC REDUCTION (SCR)	2	PPMVD
CA-1212	PALOMAR (WARD) POWER PROJECT	LOS ANGELES	CA	98-0001	10/21/11	01/27/14	COMBUSTION TURBINE (STARTUP PERIOD)	134	MW	DRY LOW NOX (DLN) COMBUSTORS, SELECTIVE CATALYTIC REDUCTION (SCR)	25	lb/START
CA-1212	PALOMAR (WARD) POWER PROJECT	LOS ANGELES	CA	98-0001	10/21/11	01/27/14	COMBUSTION TURBINE (SHUTDOWN PERIOD)	134	MW	DRY LOW NOX (DLN) COMBUSTORS, SELECTIVE CATALYTIC REDUCTION (SCR)	57	lb/START
CA-1212	PALOMAR (WARD) POWER PROJECT	LOS ANGELES	CA	98-0001	10/21/11	01/27/14	FIRE PUMP ENGINE	260	HP		0.4	G/HP-HR
CA-1212	PALOMAR (WARD) POWER PROJECT	LOS ANGELES	CA	98-0001	10/21/11	01/27/14	EMERGENCY ENGINE	142	HP		4	G/HP-HR
CA-1212	PALOMAR (WARD) POWER PROJECT	LOS ANGELES	CA	98-0001	10/21/11	01/27/14	AUXILIARY HEATER	40	MMBtu/hr		2	PPMVD
CA-1213	MOUNT ANVIL POWER COMPANY LLC	SAN BERNARDINO	CA	98-0001	04/21/06	01/27/14	COMBUSTION TURBINE (NORMAL OPERATION)	175.7	MW (A	(195) SIMULTANEOUS DRY LOW NOX COMBUSTORS, SELECTIVE CATALYTIC REDUCTION (SCR)	2	PPMVD
CA-1213	MOUNT ANVIL POWER COMPANY LLC	SAN BERNARDINO	CA	98-0001	04/21/06	01/27/14	COMBUSTION TURBINE (STARTUP PERIOD)	175.7	MW (A	(195) SIMULTANEOUS DRY LOW NOX COMBUSTORS, SELECTIVE CATALYTIC REDUCTION (SCR)	146	lb/h
CA-1213	MOUNT ANVIL POWER COMPANY LLC	SAN BERNARDINO	CA	98-0001	04/21/06	01/27/14	COMBUSTION TURBINE (SHUTDOWN PERIOD)	175.7	MW (A	(195) SIMULTANEOUS DRY LOW NOX COMBUSTORS, SELECTIVE CATALYTIC REDUCTION (SCR)	90	lb/h
CA-1213	MOUNT ANVIL POWER COMPANY LLC	SAN BERNARDINO	CA	98-0001	04/21/06	01/27/14	FIRE PUMP ENGINE	375	BHP		2	G/HP-HR
CA-1213	MOUNT ANVIL POWER COMPANY LLC	SAN BERNARDINO	CA	98-0001	04/21/06	01/27/14	EMERGENCY ENGINE	1115	BHP		2	G/HP-HR
CA-1213	MOUNT ANVIL POWER COMPANY LLC	SAN BERNARDINO	CA	98-0001	04/21/06	01/27/14	COMBUSTION TURBINES (WARM START PERIOD)	175.7	MW (A	(195) SIMULTANEOUS DRY LOW NOX COMBUSTORS, SELECTIVE CATALYTIC REDUCTION (SCR)	75	lb/hour (DOWN
CA-1214	MOJAVE ENERGY MANAGEMENT CENTER LLC	YOLO	CO	95-0-TV-114	04/21/06	01/27/14	NATURAL GAS FIRED COMBINED CYCLE TURBINE	300	MW	LOW NOX BURNERS AND SCR	2	PPM @ 15% O2
CO-0079	PUEBLO GENERATING STATION	PUEBLO	CO	0950079	12/21/12	01/27/14	Three simple cycle combustion turbines	799.7	MMBtu/hr	Good combustion design, Water Injection and Selective Catalytic Reduction (SCR)	3	PPMVD @ 15% O2
CO-0079	PUEBLO GENERATING STATION	PUEBLO	CO	0950079	12/21/12	01/27/14	Four combined cycle combustion turbines	373	MMBtu/hr	Dry Low NOx (DLN) Combustor and Selective Catalytic Reduction (SCR)	3	PPMVD @ 15% O2
CO-0079	PUEBLO GENERATING STATION	PUEBLO	CO	0950079	12/21/12	01/27/14	Turbines - two simple cycle gas	799.7	each	SCR and dry low NOx burners	21	lb/h
CO-0079	PUEBLO GENERATING STATION	PUEBLO	CO	0950079	12/21/12	01/27/14	Four combined cycle combustion turbines	373	each	SCR and dry low NOx burners	3	lb/h
CT-0111	FAIRFIELD POWER LLC	BRIDGEPORT	CT	144-0111 AND 144-0133	03/23/98	01/27/12	NATURAL GAS FIRED WITH GAS SIMULTANEOUS NATURAL	1.1	MMBtu/hr	LOW NOX BURNER AND SELECTIVE CATALYTIC REDUCTION	11.8	lb/h
CT-0111	FAIRFIELD POWER LLC	BRIDGEPORT	CT	144-0111 AND 144-0133	03/23/98	01/27/12	SOLE FUEL WITH GAS SIMULTANEOUS NATURAL GAS SHUT	31.19	BHP/hr	WATER INJECTION AND SELECTIVE CATALYTIC REDUCTION	44.4	lb/h
CT-0117	CPV TOWANTIC LLC	NEW HAVEN	CT	144-0117	12/09/13	01/27/14	Combined Cycle Power Plant	2170000	mmBtu	SCR	3	PPMVD @ 15% O2
CT-0117	CPV TOWANTIC LLC	NEW HAVEN	CT	144-0117	12/09/13	01/27/14	Combined Cycle Power Plant	1172000	mmBtu	SCR	3	PPMVD @ 15% O2
CT-0117	CPV TOWANTIC LLC	NEW HAVEN	CT	144-0117	12/09/13	01/27/14	Combined Cycle Power Plant	2170000	mmBtu/hr	SCR	3	PPMVD @ 15% O2
CT-0117	CPV TOWANTIC LLC	NEW HAVEN	CT	144-0117	12/09/13	01/27/14	Combined Cycle Power Plant	1170000	mmBtu	SCR	3	PPMVD @ 15% O2
FL-0021	JEA LAKE SWAIN GENERATING	LAKE	FL	AC1-53 (PSD-FL-213-2) (TV-21)	09/11/02	01/27/14	WRT2-103	115	MMBtu/hr	Selective Catalytic Reduction	2.76	lb/h
GA-0034	GEORGIA POWER COMPANY	HART COUNTY	GA	4-0-0011/0006	06/06/11	01/27/14	Unit 5	2368	million BTU/hr	Low NOx Combustors, Selective Catalytic Reduction	2	PPM
HI-0101	HECO (KAHE) POWER PLANT	OAHU	HI	PSD-HI-001 AND PSD-HI-010-R1-AC	01/21/97	09/12/08	11	1972	MMBtu/hr	WATER INJECTION	13	PPMVD @ 15% O2 (1)
HI-0101	HECO (KAHE) POWER PLANT	OAHU	HI	PSD-HI-001 AND PSD-HI-010-R1-AC	01/21/97	09/12/08	SIMPLE CYCLE COMBUSTION TURBINE (OAHU UNIT)	1972	MMBtu/hr	DRY LOW NOX	11	PPMVD
HI-0101	HECO (KAHE) POWER PLANT	OAHU	HI	PSD-HI-001 AND PSD-HI-010-R1-AC	01/21/97	09/12/08	AND 300 GALLON FUEL OIL STORAGE TANK	1972	MMBtu/hr		11	PPMVD
HI-0106	HPA INT. CONTROL NUMBER CENTER	PALM BEACH	FL	PSD-FL-094 AND PSD0486-001-AC	01/21/07	03/06/08	10 UNITS (SINGLE CONDITION EMISSIONS - 6 UNITS	2115	MMBtu/hr	WATER INJECTION	5	PPMVD @ 15% O2
HI-0106	HPA INT. CONTROL NUMBER CENTER	PALM BEACH	FL	PSD-FL-094 AND PSD0486-001-AC	01/21/07	03/06/08	FIRE 20 A MINIMUM EMPTIED AUXILIARY BOILER	20 B	MMBtu/hr		0.24	lb/MMBtu
HI-0106	HPA INT. CONTROL NUMBER CENTER	PALM BEACH	FL	PSD-FL-094 AND PSD0486-001-AC	01/21/07	03/06/08	TWO EMPTIED 20 MMBtu/hr PROCESS HEATERS	20	MMBtu/hr		0.24	lb/MMBtu
HI-0106	HPA INT. CONTROL NUMBER CENTER	PALM BEACH	FL	PSD-FL-094 AND PSD0486-001-AC	01/21/07	03/06/08	FOUR 2,750 HP LIQUID TYPE EMERGENCY GENERATORS				0.5	G/G-HR
HI-0106	HPA INT. CONTROL NUMBER CENTER	PALM BEACH	FL	PSD-FL-094 AND PSD0486-001-AC	01/21/07	03/06/08	STORAGE TANK				0.1	G/G-HR
HI-0106	HPA INT. CONTROL NUMBER CENTER	PALM BEACH COUNTY	FL	CONSENT ORDER PSD-FL-094	07/25/08	11/01/11	SIMPLE CYCLE GAS FIRED UNITS	2115	MMBtu/hr	SELECTIVE CATALYTIC REDUCTION	5	PPMVD (NOX)

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Table C-1. GGGC Dominion NOx Emissions Query Results - Combined Cycle CTs(NOx)

SCEDD	FACILITY NAME	COUNTY	STATE	PERMIT NUMBER	PERMIT ISSUANCE DATE	DATE OPERATION WAS VACATED	PROCESS	THROUGHPUT		CONTROL METHOD	EMISSION LIMIT		SCC
[illegible]	[illegible]	PALM BEACH COUNTY	FL	[illegible]	[illegible]	[illegible]	PROCESS HEATERS	16	MMBTU/H	GOOD COMBUSTION	0.09	LB/MMBTU	[illegible]
[illegible]	[illegible]	PALM BEACH COUNTY	FL	[illegible]	[illegible]	[illegible]	STEAM/GAS	21	MMBTU/H		0.5	0.5 [illegible]	[illegible]
[illegible]	[illegible]	DADE	FL	[illegible]	[illegible]	[illegible]	NON SPR COMBINED CYCLE COMBUSTION TURBINE	1560	MMBTU/H	NOX	2	PPMVD	[illegible]
[illegible]	[illegible]	DADE	FL	[illegible]	[illegible]	[illegible]	EMERGENCY FIRE PUMP DIESEL OIL STORAGE TANK				3	[illegible]	[illegible]
[illegible]	[illegible]	DADE	FL	[illegible]	[illegible]	[illegible]	TANK AND BLAD NO STORAGE TANK				4.0	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	FL	[illegible]	[illegible]	[illegible]	Combine cycle power plant (1 unit)	1160	MW	SCR/DLN	2	PPMVD @15% O2	[illegible]
[illegible]	[illegible]	[illegible]	FL	[illegible]	[illegible]	[illegible]	Combine cycle power generating unit	2000	gas turbine	turbine technology reduction, dry low-NOx, and gas injection	2	PPMVD @15% O2	[illegible]
[illegible]	[illegible]	[illegible]	FL	[illegible]	[illegible]	[illegible]	Auxiliary boiler, 20 2 MMBtu/hr	99.5	MMBtu/hr	low-NOx burners	0.07	LB/MMBTU	[illegible]
[illegible]	[illegible]	[illegible]	FL	[illegible]	[illegible]	[illegible]	Two natural gas heaters	18	MMBtu/hr	Ultra low NOx pressure drop jets (ULJ) burners	0.1	LB/MMBTU	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	GAS HEATING PLANT	600	psig	DRY LOW NOx BURNERS, SELECTIVE CATALYTIC REDUCTION	7.5	PPMVD @15% O2	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Combustion turbine 1 - combined cycle	2750	megawatts	Low-NOx burners and SCR	2	PPMV	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Ultra power heater	12.57	megawatts		0.015	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Combustion turbine 2 - combined cycle	2750	megawatts	SCR, Low-NOx burner	2	PPM	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Auxiliary boiler	49.5	megawatts		0.015	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Boilers	3175.25	MMBTU/HR	DRY LOW NOX LEVEL	3	PPMV	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3 X 50 MW NEW GENERATOR	750	MW	GOOD COMBUSTION PRACTICE (GCP)	3.4	LB/MWH	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	HOT BLAST HEAT	375	MW	GOOD COMBUSTION PRACTICES (BCP)	4	PPM II	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Heating & generation facility	278	MMBtu/h	ICE and Low-NOx Combustion	2.5	PPMVD @ 15% O2	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	TURBINES	1300	MMBTU/HR	SELECTIVE CATALYTIC REDUCTION AND DRY LOW NOXS BURNERS		PPMVD	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	TWO (2) NATURAL GAS AUXILIARY BOILERS	80	MMBTU/HR	LOW NOX BURNER WITH FLUE GAS RECIRCULATION	0.013	LB/MMBTU	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	TWO (2) NATURAL GAS FIRED EMERGENCY	171	BHP EACH	COMBUSTION DESIGN CONTROLS AND USAGE LIMITS	1	PPMVD	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	TWO (2) EMERGENCY DIESEL GENERATORS	2000	HP EACH	COMBUSTION DESIGN CONTROLS AND USAGE LIMITS	1.5	PPMVD	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	EMERGENCY DIESEL GENERATOR	2011	HP	COMBUSTION DESIGN CONTROLS AND USAGE LIMITS	2.5	PPMVD	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	BOILER	3175.25	MMBTU/HR	DRY LOW NOX LEVEL	3	PPMV	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	TURBINES - START UP/SHUTDOWN CYCLE	1300	MMBTU/HR		445	LB	[illegible]
[illegible]	PLANT NAME COMBINATION FACILITY	NEW ORLEANS	LA	[illegible]	[illegible]	[illegible]	4 X 50 MW GENERATOR PLANT BURNERS	2670	MMBTU/HR	REDUCTION	147	LB/H	[illegible]
[illegible]	[illegible]	[illegible]	LA	[illegible]	[illegible]	[illegible]	[illegible]	2110	MMBTU/HR	CO MPUTE PM/NOX AS DUCT 1 AS POSSIBLE ACCORDING TO MANUFACTURER'S RECOMMENDED PROCEDURES	198	LB/H	[illegible]
[illegible]	[illegible]	[illegible]	LA	[illegible]	[illegible]	[illegible]	PROCESS HEATER (CYCLE SUBTYPE)	2110	MMBTU/HR	LOW NOX BURNERS, DUCT BURNERS, COMBINED SUBTYPE	38.13	LB/H	[illegible]
[illegible]	[illegible]	[illegible]	LA	[illegible]	[illegible]	[illegible]	SCR NOT STARTUP CTG-1 [illegible]	2110	MMBTU/HR	COMPUTE PM/NOX AS DUCT 1 AS POSSIBLE ACCORDING TO MANUFACTURER'S RECOMMENDED PROCEDURES	0.5	LB/H	[illegible]
[illegible]	[illegible]	[illegible]	LA	[illegible]	[illegible]	[illegible]	SCR SHUTDOWN CTG-1 [illegible]	2110	MMBTU/HR	COMPUTE PM/NOX AS DUCT 1 AS POSSIBLE ACCORDING TO MANUFACTURER'S RECOMMENDED PROCEDURES	0.5	LB/H	[illegible]
[illegible]	[illegible]	[illegible]	LA	[illegible]	[illegible]	[illegible]	DRY DIESEL FIRE PUMP	210	HP	USE OF LOW SULFUR DIESEL OPERATING HOURS AND PROPER HOME MAINTENANCE	7.5	LB/H	[illegible]
[illegible]	[illegible]	[illegible]	LA	[illegible]	[illegible]	[illegible]	Generator (engine) (2)	2017	HP	Comply with 40 CFR 89 Subpart B/H	5.76	LB/H	[illegible]
[illegible]	[illegible]	[illegible]	LA	[illegible]	[illegible]	[illegible]	Simple Cycle Refrigeration Compressor Turbines (11)	750	MMBTU/H	water injection	23.94	LB/H	[illegible]
[illegible]	[illegible]	[illegible]	LA	[illegible]	[illegible]	[illegible]	Combined Cycle Refrigeration Compressor (engine) (10)	750	MMBTU/H	water injection	23.94	LB/H	[illegible]
[illegible]	[illegible]	[illegible]	LA	[illegible]	[illegible]	[illegible]	Simple Cycle Generation Turbines (2)	750	MMBTU/H	water injection	23.94	LB/H	[illegible]
[illegible]	[illegible]	[illegible]	LA	[illegible]	[illegible]	[illegible]	Natural Flare	1500	MMBTU/H	proper plant operations and maintenance the presence of the flame is what the gas is burning in the flare	0.13	LB/H	[illegible]
[illegible]	[illegible]	[illegible]	LA	[illegible]	[illegible]	[illegible]	Ground Flare (2 units)	8.25	MMBTU/H	proper plant operations and maintenance the presence of the flame is what the gas is burning in the flare	0.13	LB/H	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Combustion Turbine with Duct Burner	3600	MMBtu/hour	Selective Catalytic Reduction	2	PPMVD @ 15% O2	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Auxiliary Boiler	99	MMBTU/H	ultra low NOx burners	0.011	LB/MMBTU	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Emergency Engine/Generator	7.4	MMBTU/H		0.8	LB/MWH	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Fire Pump Engine	2.7	MMBTU/H			LB/MWH	[illegible]
[illegible]	[illegible]	CHARLES	MD	PSC CASE NO. 9180	[illegible]	[illegible]	2 COMBINED CYCLE COMBUSTION TURBINES	725	MEGAWATT	DRY LOW NOX COMBUSTOR DESIGN AND SELECTIVE CATALYTIC REDUCTION (SCR)	2	PPMVD @ 15% O2	[illegible]
[illegible]	[illegible]	CHARLES	MD	PSC CASE NO. 9180	[illegible]	[illegible]	AUXILIARY BOILER	99	MMBTU/HR	EXCLUSIVE USE OF NATURAL GAS, ULTRA LOW-NOX BURNERS, AND FLUE GAS RECIRCULATION (FGR)	0.011	LB/MMBTU	[illegible]
[illegible]	[illegible]	CHARLES	MD	PSC CASE NO. 9180	[illegible]	[illegible]	EMERGENCY GENERATOR	2000	HP	EXCLUSIVE USE OF ULSD FUEL, GOOD COMBUSTION PRACTICES, AND LIMITING THE HOURS OF OPERATION	4.8	G/HP-H	[illegible]
[illegible]	[illegible]	CHARLES	MD	PSC CASE NO. 9180	[illegible]	[illegible]	EMERGENCY FIRE PUMP ENGINE FOR NAT WATER PUMP	300	HP	EXCLUSIVE USE OF ULSD FUEL, GOOD COMBUSTION PRACTICES, AND LIMITING THE HOURS OF OPERATION	3	G/HP-H	[illegible]
[illegible]	[illegible]	CHARLES	MD	PSC CASE NO. 9180	[illegible]	[illegible]	FUEL GAS HEATER	9.5	MMBTU/HR	USE OF PIPELINE QUALITY NATURAL GAS AND GOOD COMBUSTION PRACTICES	0.011	LB/MMBTU	[illegible]
[illegible]	[illegible]	[illegible]	MD	EPA CASE NO. 9322	[illegible]	[illegible]	DUCT BURNER	1800	MW	SYSTEM	2	PPMVD @ 15% O2	[illegible]
[illegible]	[illegible]	[illegible]	MD	EPA CASE NO. 9322	[illegible]	[illegible]	AUXILIARY BOILER	85	MMBTU/HR	EXCLUSIVE USE OF PIPELINE QUALITY NATURAL GAS AND GOOD COMBUSTION PRACTICES	0.011	LB/MMBTU	[illegible]
[illegible]	[illegible]	[illegible]	MD	EPA CASE NO. 9322	[illegible]	[illegible]	EMERGENCY GENERATOR	2150	HP	LIMITED OPERATING HOURS, USE OF ULTRA-LOW SULFUR FUEL AND GOOD COMBUSTION PRACTICES	4.8	G/HP-H	[illegible]
[illegible]	[illegible]	[illegible]	MD	EPA CASE NO. 9322	[illegible]	[illegible]	EMERGENCY DIESEL ENGINE FOR NAT WATER PUMP	477	HP	LIMITED OPERATING HOURS, USE OF ULTRA-LOW SULFUR FUEL AND GOOD COMBUSTION PRACTICES	3	G/HP-H	[illegible]
[illegible]	[illegible]	[illegible]	MD	EPA CASE NO. 9322	[illegible]	[illegible]	DRY FRONT HEATER	9	MMBTU/H	GOOD COMBUSTION PRACTICES	0.049	LB/MMBTU	[illegible]
[illegible]	[illegible]	PRINCE GEORGES	MD	PSC CASE NO. 9198	[illegible]	[illegible]	STARTUP	290	MW	GOOD COMBUSTION PRACTICES, DRY LOW-NOX COMBUSTOR DESIGN AND SELECTIVE CATALYTIC REDUCTION (SCR)	175	LB/STUNT	[illegible]
[illegible]	[illegible]	PRINCE GEORGES	MD	PSC CASE NO. 9198	[illegible]	[illegible]	2 COMBINED CYCLE COMBUSTION TURBINES	290	MW	GOOD COMBUSTION PRACTICES, DRY LOW-NOX COMBUSTOR DESIGN AND SELECTIVE CATALYTIC REDUCTION (SCR)	2	PPMVD @ 15% O2	[illegible]
[illegible]	[illegible]	PRINCE GEORGES	MD	PSC CASE NO. 9198	[illegible]	[illegible]	STARTUP	290	MW	GOOD COMBUSTION PRACTICES, DRY LOW-NOX COMBUSTOR DESIGN AND SELECTIVE CATALYTIC REDUCTION (SCR)	193	LB/STUNT	[illegible]
[illegible]	[illegible]	PRINCE GEORGES	MD	PSC CASE NO. 9198	[illegible]	[illegible]	STARTUP	290	MW	GOOD COMBUSTION PRACTICES, DRY LOW-NOX COMBUSTOR DESIGN AND SELECTIVE CATALYTIC REDUCTION (SCR)	175	LB/STUNT	[illegible]
[illegible]	[illegible]	PRINCE GEORGES	MD	PSC CASE NO. 9198	[illegible]	[illegible]	SHUTDOWN	290	MW	DRY LOW-NOX COMBUSTOR DESIGN, GOOD COMBUSTION PRACTICES AND SELECTIVE CATALYTIC REDUCTION (SCR)	2.5	LB/STUNT	[illegible]
[illegible]	[illegible]	PRINCE GEORGES	MD	PSC CASE NO. 9198	[illegible]	[illegible]	AUXILIARY BOILER	42	MMBTU/HR	EXCLUSIVE USE OF ULTRA LOW SULFUR FUEL AND GOOD COMBUSTION PRACTICES	0.011	LB/MMBTU	[illegible]
[illegible]	[illegible]	PRINCE GEORGES	MD	PSC CASE NO. 9198	[illegible]	[illegible]	EMERGENCY GENERATOR	2000	HP	EXCLUSIVE USE OF ULTRA LOW SULFUR FUEL AND GOOD COMBUSTION PRACTICES	4.8	G/HP-H	[illegible]
[illegible]	[illegible]	PRINCE GEORGES	MD	PSC CASE NO. 9198	[illegible]	[illegible]	EMERGENCY DIESEL ENGINE FOR NAT WATER PUMP	300	HP	EXCLUSIVE USE OF ULTRA LOW SULFUR FUEL AND GOOD COMBUSTION PRACTICES	4	G/HP-H	[illegible]
[illegible]	[illegible]	PRINCE GEORGES	MD	PSC CASE NO. 9198	[illegible]	[illegible]	FUEL GAS HEATER	11.8	MMBTU/HR	USE OF PIPELINE QUALITY NATURAL GAS AND GOOD COMBUSTION PRACTICES	0.011	LB/MMBTU	[illegible]
[illegible]	[illegible]	PRINCE GEORGES	MD	PSC CASE NO. 9297	[illegible]	[illegible]	2 COMBINED CYCLE COMBUSTION TURBINES	315	MW	GOOD COMBUSTION PRACTICES, DRY LOW-NOX COMBUSTION DESIGN AND SELECTIVE CATALYTIC REDUCTION	2	PPMVD @ 15% O2	[illegible]
[illegible]	[illegible]	PRINCE GEORGES	MD	PSC CASE NO. 9297	[illegible]	[illegible]	STARTUP	315	MW	GOOD COMBUSTION PRACTICES, DRY LOW-NOX COMBUSTOR DESIGN AND SELECTIVE CATALYTIC REDUCTION (SCR)	24.5	LB/STUNT	[illegible]
[illegible]	[illegible]	PRINCE GEORGES	MD	PSC CASE NO. 9297	[illegible]	[illegible]	STARTUP	315	MW	GOOD COMBUSTION PRACTICES, DRY LOW-NOX COMBUSTOR DESIGN AND SELECTIVE CATALYTIC REDUCTION (SCR)	21.8	LB/STUNT	[illegible]
[illegible]	[illegible]	PRINCE GEORGES	MD	PSC CASE NO. 9297	[illegible]	[illegible]	SHUTDOWN	315	MW	DRY LOW-NOX COMBUSTOR DESIGN, GOOD COMBUSTION PRACTICES AND SELECTIVE CATALYTIC REDUCTION	50	LB/STUNT	[illegible]
[illegible]	[illegible]	PRINCE GEORGES	MD	PSC CASE NO. 9297	[illegible]	[illegible]	AUXILIARY BOILER	84	MMBTU/HR	COMBUSTION PRACTICES	0.01	LB/MMBTU	[illegible]
[illegible]	[illegible]	PRINCE GEORGES	MD	PSC CASE NO. 9297	[illegible]	[illegible]	STEAM HEAT BOILER (INSTALLED WITH 2 HOURS LIMITS)	1000	HP	EXCLUSIVE USE OF ULTRA LOW SULFUR FUEL AND GOOD COMBUSTION PRACTICES	0.4	G/HP-H	[illegible]
[illegible]	[illegible]	PRINCE GEORGES	MD	PSC CASE NO. 9297	[illegible]	[illegible]	STEAM HEAT BOILER (INSTALLED WITH 2 HOURS LIMITS)	300	HP	EXCLUSIVE USE OF ULTRA LOW SULFUR FUEL AND GOOD COMBUSTION PRACTICES	4	G/HP-H	[illegible]
[illegible]	[illegible]	WAYNE	MI	[illegible]	[illegible]	[illegible]	Combined cycle combustion turbine w/ HRSG	146	gas psi	Low NOx burners	2	PPM	[illegible]
[illegible]	[illegible]	WAYNE	MI	[illegible]	[illegible]	[illegible]	Dual fuel fired combustion engine (SCE)	712	HP	Good combustion practices	0.15	G/HP-H	[illegible]
[illegible]	MIDLAND COGENERATION VENTURE	MIDLAND	MI	[illegible]	[illegible]	[illegible]	generator (EU01) with HRSG	2293	MMBTU/H	Dry low NOx (DLN) burner and selective catalytic reduction (SCR) system.	2	PPM	[illegible]
[illegible]	MIDLAND COGENERATION VENTURE	MIDLAND	MI	[illegible]	[illegible]	[illegible]	generator (EU02) with HRSG and duct burner (DB)	2293	MMBTU/H	Dry low NOx (DLN) burner and selective catalytic reduction (SCR) system.	2	PPM	[illegible]
[illegible]	MIDLAND COGENERATION VENTURE	MIDLAND	MI	[illegible]	[illegible]	[illegible]	generator (EU03) with HRSG duct burner (DB)	2217	MMBTU	Dry low NOx (DLN) burner and selective catalytic reduction (SCR)	2.5	LB/H	[illegible]
[illegible]	[illegible]	[illegible]	MI	[illegible]	[illegible]	[illegible]	Hot water heater	130	heat input	Low NOx burner and flue gas recirculation.	0.32	LB/MMBTU	[illegible]
[illegible]	[illegible]	[illegible]	MI	[illegible]	[illegible]	[illegible]	Turbines	177	MMBTU/H	Dry low NOx combustors	2.23	LB/MMBTU	[illegible]
[illegible]	[illegible]	[illegible]	MI	[illegible]	[illegible]	[illegible]	Boiler	12	heat input	Low NOx burners	0.36	LB/MMBTU	[illegible]
[illegible]	[illegible]	[illegible]	MI	[illegible]	[illegible]	[illegible]	Heater [illegible]	2547	heat input	Low NOx burners and selective catalytic reduction.		PPM	[illegible]
[illegible]	[illegible]	[illegible]	MI	[illegible]	[illegible]	[illegible]	Startup/shutdown events	2547	startup heat	Low NOx burners and selective catalytic reduction.	72.4	PPM	[illegible]
[illegible]	[illegible]	[illegible]	MI	[illegible]	[illegible]	[illegible]	Pump	313	hp horsepower	Engine combustion design and ultra low sulfur diesel fuel.	3	G/HP-H	[illegible]
[illegible]	[illegible]	OTTAWA	MI	[illegible]	[illegible]	[illegible]	Fire pump heater (EUFIREPUMP)	0.7	MMBTU/H	Good combustion practices.	0.03	LB/H	[illegible]
[illegible]	[illegible]	OTTAWA	MI	[illegible]	[illegible]	[illegible]	Heat Boilers	0.7	each	SCR with [illegible] selective catalytic reduction with dry low NOx burners.		PPM	[illegible]
[illegible]	[illegible]	OTTAWA	MI	[illegible]	[illegible]	[illegible]	Auxiliary Boiler 8 (EUAUXBOILER)	95	MMBTU/HR	Dry low NOx burners, flue gas recirculation and good combustion practices.	0.29	LB/MMBTU	[illegible]
[illegible]	[illegible]	OTTAWA	MI	[illegible]	[illegible]	[illegible]	Emergency Engine - diesel fire pump (EUFIREPUMP)	2000	hp	Good combustion practices.	3	G/HP-H	[illegible]
[illegible]	[illegible]	OTTAWA	MI	[illegible]	[illegible]	[illegible]	Emergency Engine - diesel fire pump (EUFIREPUMP)	145	hp	Good combustion practices.	3	G/HP-H	[illegible]
[illegible]	[illegible]	OTTAWA	MI	[illegible]	[illegible]	[illegible]	Auxiliary Boiler 1 (EUAUXBOILER1)	95	MMBTU/HR	Low NOx burners and good combustion practices.	0.08	LB/MMBTU	[illegible]
[illegible]	[illegible]	OTTAWA	MI	[illegible]	[illegible]	[illegible]	PCE/TANKS - Startup & Emg. Shutdown	147	each	SCR with [illegible] selective catalytic reduction with dry low NOx burner.	41.7	LB/H	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	BOILER	1766	MMBTU/HR	DRY LOW NOX COMBUSTION FOR NOX; WATER INJECTION FOR NOX; CO, VOC IN/HCL INJECTION FOR NOX; BOH SCR IN NOX; [illegible]		PPMVD	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	GAS BOILER/GENERATOR	1766	MW		0.024	LB/MWH	[illegible]
[illegible]	[illegible]	MADISON	NY	[illegible]	[illegible]	[illegible]	TURBINE COMBINED CYCLE	1500	MMBTU/H	SELECTIVE CATALYTIC REDUCTION (SCR) AND WATER INJECTION	0.01	LB/MMBTU	[illegible]
[illegible]	[illegible]	MADISON COUNTY	NY	[illegible]	[illegible]	[illegible]	Natural Duct Burner	1001	MMBTU/H	Selective Catalytic Reduction and Dry Low NOx		PPMVD @ 15% O2	[illegible]
[illegible]	[illegible]	MADISON COUNTY	NY	[illegible]	[illegible]	[illegible]	BURNER - SIMPLE	1001	MMBTU/H	Selective Catalytic Reduction System (SCR)	2	PPMVD	[illegible]
[illegible]	[illegible]	MONTGOMERY COUNTY	NY	[illegible]	[illegible]	[illegible]	BURNER - GENERAL EFFECTS	1001	MMBTU/H	Selective Catalytic Reduction (ppmvd@15%) and Dry Low NOx	2	PPMVD @ 15% O2	[illegible]
[illegible]	[illegible]	MONTGOMERY COUNTY	NY	[illegible]	[illegible]	[illegible]	Emergency diesel fire pump	0			2.75	G/HP-H	[illegible]
[illegible]	[illegible]	MONTGOMERY COUNTY	NY	[illegible]	[illegible]	[illegible]	DUCT BURNER - GENERAL EFFECTS	1001	MMBTU/H	Selective Catalytic Reduction System (SCR) and Dry Low NOx		PPMVD @ 15% O2	[illegible]
[illegible]	[illegible]	[illegible]	NY	[illegible]	[illegible]	[illegible]	Heater	20.92	MMBTU/H	Selective Catalytic Reduction System (SCR) and use of natural gas as fuel burning fuel	2	PPMVD @ 15% O2	[illegible]

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Table C-1. 90th Database NOx Emissions Survey Results - Combined Cycle CTs/HRSG

ID NO	FACILITY NAME	COUNTY	STATE	PERMIT NUMBER	DATE PERMIT ISSUANCE DATE	DATE DETERMINATION LAST REVISED	PROCESS	THROUGHPUT	CONTROL METHOD	EMISSIONS LIMIT	BASIS
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Combined Cycle Combustion Turbine with Duct Burner	39752	SELECTIVE CATALYTIC REDUCTION (SCR) and use of natural gas as the fuel burning fuel	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Table C.1. BACT Database NOx Emissions Survey Results - Combined Cycle CTs/HRSG

RBLCID	FACILITY NAME	COUNTY	STATE	PERMIT NUMBER	PERMIT ISSUANCE DATE	DATE DETERMINATION LAST UPDATED	PROCESS	THROUGHPUT		CONTROL METHOD	EMISSIONS LIM	BASIS
TX-0790	[illegible]	[illegible]	TX	[illegible]	8/17/16	08/23/16	Simple Cycle Combined Cycle Gas Turbines 15,210	54	MW	SELECTIVE CATALYTIC REDUCTION	2 PPM	BACT-PSD
VA-0318	[illegible]	[illegible]	VA	51081.0C1	12/17/14	12/18/15	COMPOSITE CYCLE TURBINE (Lamp, DUCT BURNER, 3	1796	MMBtu/hr	[illegible]	2 PPM@@ 15%O2	BACT-PSD
VA-0741	[illegible]	[illegible]	VA	37404-001	12/12/13	12/12/14	AUXILIARY BOILER	46.7	MMBTU/hr	Dry low NOx burner	9 PPM@	BACT-PSD
VA-0741	[illegible]	[illegible]	VA	37404-001	12/12/13	12/12/14	COMBUSTION TURBINE GENERATORS (3)	342.1	MMBTU/hr	Selective catalytic reduction and ultra low NOx burners	2 PPM@ @ 15% O2	BACT-PSD
TN-0411	[illegible]	LOUDON	TN	739-0001	04/08/11	04/08/11	Large combustion turbines (Eg: 2 MW) (CT1 and CT2)	2.21	MMBtu/hr	Selective Catalytic Reduction (SCR), with ammonia injection and dry low NOx burners	6	LAER
WV-0073	PLANT	MARSHALL	WV	013-0036	12/11/14	09/30/15	Auxiliary Boiler	107	mmBtu/hr	Ultra Low-NOx Burners, Flue Gas Recirculation, & Good Combustion Practices	7 19 PPM	BACT-PSD
WV-0073	PLANT	MARSHALL	WV	013-0036	12/11/14	09/30/15	Emergency Generator	1015.7	HP		6	BACT-PSD
WV-0073	PLANT	MARSHALL	WV	013-0036	12/11/14	09/30/15	Fire Pump Engines	151	HP		6	BACT-PSD
WV-0073	PLANT	MARSHALL	WV	013-0036	12/11/14	09/30/15	Combined Cycle Turbine/Duct Burner	2,118.5	mmBtu/hr	DLN & Dry Low-NOx Burners	21 19 PPM	BACT-PSD
WV-0079	[illegible]	JACKSON	WV	CT-124-96	06/21/12	03/29/13	Simple Cycle Turbine (SP01)	46	MW	SCR	2 PPMV AT 15% O2	BACT-PSD
WV-0079	[illegible]	JACKSON	WV	CT-124-96	06/21/12	03/29/13	Combined Cycle Turbine (CP01)	46	MW	SCR	2 PPMV AT 15% O2	BACT-PSD
WV-0079	[illegible]	JACKSON	WV	CT-124-96	06/21/12	03/29/13	Combined Cycle Turbine (CP02)	46	MW	SCR	2 PPMV AT 15% O2	BACT-PSD
WV-0079	[illegible]	JACKSON	WV	CT-124-96	06/21/12	03/29/13	Simple Cycle Turbine (SP02)	46	MW	SCR	2 PPMV AT 15% O2	BACT-PSD
WV-0079	[illegible]	JACKSON	WV	CT-124-96	06/21/12	03/29/13	Simple Cycle Turbine (SP03)	46	MW	SCR	2 PPMV AT 15% O2	BACT-PSD
WV-0092	[illegible]	JACKSON	WV	CT-124-96	06/21/12	03/29/13	Heat Air Heater (FP06)	14.1	MMBTU/H	Ultra Low-NOx Burners	0.011 lb/MMBTU	BACT-PSD
WV-0092	[illegible]	JACKSON	WV	CT-124-96	06/21/12	03/29/13	Heat Air Heater (FP07)	14.1	MMBTU/H	Ultra Low NOx Burners	0.011 lb/MMBTU	BACT-PSD
WV-0092	[illegible]	JACKSON	WV	CT-124-96	06/21/12	03/29/13	Heat Air Heater (FP08)	14.1	MMBTU/H	Ultra Low NOx Burners	0.011 lb/MMBTU	BACT-PSD
WV-0092	[illegible]	JACKSON	WV	CT-124-96	06/21/12	03/29/13	Heat Air Heater (FP09)	14.1	MMBTU/H	Ultra Low NOx Burners	0.011 lb/MMBTU	BACT-PSD
WV-0092	[illegible]	JACKSON	WV	CT-124-96	06/21/12	03/29/13	Heat Air Heater (FP10)	14.1	MMBTU/H	Ultra Low NOx Burners	0.011 lb/MMBTU	BACT-PSD
WV-0092	[illegible]	JACKSON	WV	CT-124-96	06/21/12	03/29/13	Diesel Emergency Generator (EP14)	199	hp	EPA Tier 2 rated	6	BACT-PSD
WV-0092	[illegible]	JACKSON	WV	CT-124-96	06/21/12	03/29/13	Diesel Fire Pump Engine (EP15)	127	hp	EPA Tier 2 rated	6	BACT-PSD

Source: EPA RBLC, queried May 2016

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[illegible]

Table 2-3. RBLC Database VOC Emissions Query Results - Combined Cycle CTs/HRSGs

Table C-3 HRSG Emissions VOC Emissions Costs Benefits - Combined Cycle CTs/HRSG

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Table C-4. RBLC Database PM Emissions Query Results - Combined Cycle CTs/HRSGs

EUID	FACILITY NAME	COUNTY	STATE	PERMIT NUMBER	PERMIT ISSUANCE DATE	DATE DETERMINATION LAST UPDATED	PROCESS	THROUGHPUT		CONTROL METHOD	EMISSION LIMIT		BASIS
AK-0071	INTERNATIONAL STATION POWER PLANT	MUNICIPALITY OF ANCHORAGE	AK	AQ0164CPT01	12/20/10	01/27/13	SE LM6000PF-2S Turbines (6)	99900	hp ISO	Good Combustion Practices	0.0066	LB/MMBTU	BACT-PSD
AK-0071	INTERNATIONAL STATION POWER PLANT	MUNICIPALITY OF ANCHORAGE	AK	AQ0164CPT01	12/20/10	01/27/13	SE LM6000PF-2S Turbines (6)	99900	hp ISO	Good Combustion Practices	0.0066	LB/MMBTU	BACT-PSD
AK-0071	INTERNATIONAL STATION POWER PLANT	MUNICIPALITY OF ANCHORAGE	AK	AQ0164CPT01	12/20/10	01/27/13	SE LM6000PF-2S Turbines (6)	99900	hp ISO	Good Combustion Practices	0.0066	LB/MMBTU	BACT-PSD
AK-0071	INTERNATIONAL STATION POWER PLANT	MUNICIPALITY OF ANCHORAGE	AK	AQ0164CPT01	12/20/10	01/27/13	Duct Burners (6)	148	MMBTU/H	Good Combustion Practices	7.6	LB/MMBTU	BACT-PSD
AK-0071	INTERNATIONAL STATION POWER PLANT	MUNICIPALITY OF ANCHORAGE	AK	AQ0164CPT01	12/20/10	01/27/13	Duct Burners (6)	148	MMBTU/H	Good Combustion Practices	7.6	LB/MMBTU	BACT-PSD
AK-0071	INTERNATIONAL STATION POWER PLANT	MUNICIPALITY OF ANCHORAGE	AK	AQ0164CPT01	12/20/10	01/27/13	Duct Burners (6)	148	MMBTU/H	Good Combustion Practices	7.6	LB/MMBTU	BACT-PSD
AK-0071	INTERNATIONAL STATION POWER PLANT	MUNICIPALITY OF ANCHORAGE	AK	AQ0164CPT01	12/20/10	01/27/13	Caterpillar 3216C Black Start Generator (1)	1300	kW-e	Good Combustion Practices	0.03	G/HP-H	BACT-PSD
AK-0071	INTERNATIONAL STATION POWER PLANT	MUNICIPALITY OF ANCHORAGE	AK	AQ0164CPT01	12/20/10	01/27/13	Caterpillar 3216C Black Start Generator (1)	1300	kW-e	Good Combustion Practices	0.03	G/HP-H	BACT-PSD
AK-0071	INTERNATIONAL STATION POWER PLANT	MUNICIPALITY OF ANCHORAGE	AK	AQ0164CPT01	12/20/10	01/27/13	Caterpillar 3216C Black Start Generator (1)	1300	kW-e	Good Combustion Practices	0.03	G/HP-H	BACT-PSD
AK-0071	INTERNATIONAL STATION POWER PLANT	MUNICIPALITY OF ANCHORAGE	AK	AQ0164CPT01	12/20/10	01/27/13	Sigma Thermal Auxiliary Heater (1)	12.5	MMBTU/H	Good Combustion Practices	7.6	LB/MMBTU	BACT-PSD
AK-0071	INTERNATIONAL STATION POWER PLANT	MUNICIPALITY OF ANCHORAGE	AK	AQ0164CPT01	12/20/10	01/27/13	Sigma Thermal Auxiliary Heater (1)	12.5	MMBTU/H	Good Combustion Practices	7.6	LB/MMBTU	BACT-PSD
AK-0071	INTERNATIONAL STATION POWER PLANT	MUNICIPALITY OF ANCHORAGE	AK	AQ0164CPT01	12/20/10	01/27/13	Sigma Thermal Auxiliary Heater (1)	12.5	MMBTU/H	Good Combustion Practices	7.6	LB/MMBTU	BACT-PSD
AK-0078	INTERNATIONAL STATION POWER PLANT	ANCHORAGE	AK	AQ0164CPT01	12/20/10	01/05/14	Fuel Combustion	99900	HP	Combustion Turbines (5) IDs 8-12 are good combustion practices involve increasing the	0.0066	LB/MMBTU	BACT-PSD
AK-0078	INTERNATIONAL STATION POWER PLANT	ANCHORAGE	AK	AQ0164CPT01	12/20/10	01/05/14	Fuel Combustion	140	MMBTU/H	Combustion Turbines (5) IDs 8-12 are good combustion practices involve increasing the	7.6	LB/MMBTU	BACT-PSD
AK-0078	INTERNATIONAL STATION POWER PLANT	ANCHORAGE	AK	AQ0164CPT01	12/20/10	01/05/14	Fuel Combustion	12.5	MMBTU/H	Combustion Turbines (5) ID# 13 are good combustion practices involve increasing the	7.6	LB/MMBTU	BACT-PSD
AK-0078	INTERNATIONAL STATION POWER PLANT	ANCHORAGE	AK	AQ0164CPT01	12/20/10	01/06/14	Fuel Combustion	1500	KW-e	Black Start diesel fired engine (EU 13 shall be equipped with a bridging electrical ar	0.03	G/HP-H	BACT-PSD
EA-1364	BLYTHE ENERGY PROJECT II	RIVERSIDE	CA	81-07-01	04/7/2007	01/17/2014	FIRE PUMPS	305	HP		0.1	LB/H	BACT-PSD
EA-1364	BLYTHE ENERGY PROJECT II	RIVERSIDE	CA	81-07-01	04/25/07	01/17/2014	2 COMBUSTION TURBINES	178	MW	USE PUBLIC UTILITY COMMISSION QUALITY NATURAL GAS W/ SULFUR CONTENT LESS T	5	LB/H	BACT-PSD
EA-1381	VICTORVILLE 2 HYBRID POWER PROJECT	SAN BERNARDINO	CA	14-07-02	01/11/08	01/15/14	COMBUSTION TURBINE #2 (NORMAL OPERATION, NO DU	154	MW	PUC QUALITY NATURAL GAS	32	LB/H	BACT-PSD
EA-1381	VICTORVILLE 2 HYBRID POWER PROJECT	SAN BERNARDINO	CA	14-07-02	01/11/08	01/15/14	COMBUSTION TURBINE #2 (NORMAL OPERATION, NO DU	154	MW	PUC QUALITY NATURAL GAS	15	LB/H	BACT-PSD
EA-1381	VICTORVILLE 2 HYBRID POWER PROJECT	SAN BERNARDINO	CA	14-07-02	01/11/08	01/15/14	COMBUSTION TURBINE #2 (NORMAL OPERATION, WITH D	154	MW	PUC QUALITY NATURAL GAS	16	LB/H	BACT-PSD
EA-1381	VICTORVILLE 2 HYBRID POWER PROJECT	SAN BERNARDINO	CA	14-07-02	01/11/08	01/16/14	COMBUSTION TURBINE #2 (NORMAL OPERATION, WITH D	154	MW	PUC QUALITY NATURAL GAS	18	LB/H	BACT-PSD
EA-1381	VICTORVILLE 2 HYBRID POWER PROJECT	SAN BERNARDINO	CA	14-07-02	01/11/08	01/15/14	AUXILIARY HEATER	40	MMBTU/H	OPERATIONAL RESTRICTION OF 3000 HR/YR, USE PUC QUALITY NATURAL GAS	0.2	GRAMS PER 100 DSCF	BACT-PSD
EA-1381	VICTORVILLE 2 HYBRID POWER PROJECT	SAN BERNARDINO	CA	14-07-02	01/11/10	01/15/14	AUXILIARY HEATER	40	MMBTU/H	OPERATIONAL RESTRICTION OF 3000 HR/YR	0.2	GRAMS PER 100 DSCF	BACT-PSD
EA-1381	VICTORVILLE 2 HYBRID POWER PROJECT	SAN BERNARDINO	CA	14-07-02	01/11/10	01/15/14	AUXILIARY BOILER	35	MMBTU/H	OPERATIONAL RESTRICTION OF 500 HR/YR, USE PUC QUALITY NATURAL GAS	0.2	GRAMS PER 100 DSCF	BACT-PSD
EA-1381	VICTORVILLE 2 HYBRID POWER PROJECT	SAN BERNARDINO	CA	14-07-02	01/11/10	01/15/14	AUXILIARY BOILER	35	MMBTU/H	OPERATIONAL RESTRICTION OF 500 HR/YR	0.2	GRAMS PER 100 DSCF	BACT-PSD
EA-1381	VICTORVILLE 2 HYBRID POWER PROJECT	SAN BERNARDINO	CA	14-07-02	01/11/10	01/16/14	EMERGENCY ENGINE	2000	KW	OPERATIONAL RESTRICTION OF 50 HR/YR; USE OF ULTRA LOW SULFUR FUEL NOT TO E	0.2	G/KW-H	BACT-PSD
EA-1381	VICTORVILLE 2 HYBRID POWER PROJECT	SAN BERNARDINO	CA	14-07-02	01/11/10	01/16/14	EMERGENCY ENGINE	2000	KW	OPERATIONAL RESTRICTION OF 50 HR/YR; USE OF ULTRA LOW SULFUR FUEL NOT TO E	0.2	G/KW-H	BACT-PSD
EA-1381	VICTORVILLE 2 HYBRID POWER PROJECT	SAN BERNARDINO	CA	14-07-02	01/11/10	01/30/14	EMERGENCY FIREWATER PUMP ENGINE	335	KW	OPERATIONAL RESTRICTION OF 50 HR/YR, OPERATE AS REQUIRED FOR FIRE SAFETY TES	0.2	G/KW-H	BACT-PSD
EA-1381	VICTORVILLE 2 HYBRID POWER PROJECT	SAN BERNARDINO	CA	14-07-02	01/11/10	01/30/14	EMERGENCY FIREWATER PUMP ENGINE	335	KW	OPERATIONAL RESTRICTION OF 50 HR/YR, OPERATE AS REQUIRED FOR FIRE SAFETY TES	0.2	G/KW-H	BACT-PSD
EA-1381	VICTORVILLE 2 HYBRID POWER PROJECT	SAN BERNARDINO	CA	14-07-02	01/11/10	01/30/14	COMBUSTION TURBINE #1 (NORMAL OPERATION, NO DU	154	MW	PUC QUALITY NATURAL GAS	32	LB/H	BACT-PSD
EA-1381	VICTORVILLE 2 HYBRID POWER PROJECT	SAN BERNARDINO	CA	14-07-02	01/11/10	01/30/14	COMBUSTION TURBINE #1 (NORMAL OPERATION, NO DU	154	MW	PUC QUALITY NATURAL GAS	15	LB/H	BACT-PSD
EA-1381	VICTORVILLE 2 HYBRID POWER PROJECT	SAN BERNARDINO	CA	14-07-02	01/11/10	01/30/14	COMBUSTION TURBINE #1 (NORMAL OPERATION, WITH D	154	MW	PUC QUALITY NATURAL GAS	16	LB/H	BACT-PSD
EA-1381	VICTORVILLE 2 HYBRID POWER PROJECT	SAN BERNARDINO	CA	14-07-02	01/11/10	01/30/14	COMBUSTION TURBINE #1 (NORMAL OPERATION, WITH D	154	MW	PUC QUALITY NATURAL GAS	18	LB/H	BACT-PSD
EA-1381	VICTORVILLE 2 HYBRID POWER PROJECT	SAN BERNARDINO	CA	14-07-02	01/11/10	01/30/14	COOLING TOWER	180000	GAL/MIN		3.4	LB/H	BACT-PSD
EA-1381	VICTORVILLE 2 HYBRID POWER PROJECT	SAN BERNARDINO	CA	14-07-02	01/11/10	01/30/14	COOLING TOWER	180000	GAL/MIN		3.4	LB/H	BACT-PSD
EA-1382	AVENAL ENERGY PROJECT	KINGS	CA	12-06-01	04/21/11	01/16/14	COMBUSTION TURBINE #1 (NORMAL OPERATION, NO DU	180	MW	USE PUC QUALITY NATURAL GAS	8.91	LB/H	BACT-PSD
EA-1382	AVENAL ENERGY PROJECT	KINGS	CA	12-06-01	04/21/11	01/16/14	COMBUSTION TURBINE #1 (NORMAL OPERATION, NO DU	180	MW	USE PUC QUALITY NATURAL GAS	8.91	LB/H	BACT-PSD
EA-1382	AVENAL ENERGY PROJECT	KINGS	CA	12-06-01	04/21/11	01/16/14	COMBUSTION TURBINE #1 (NORMAL OPERATION, WITH D	180	MW	USE PUC QUALITY NATURAL GAS	11.78	LB/H	BACT-PSD
EA-1382	AVENAL ENERGY PROJECT	KINGS	CA	12-06-01	04/21/11	01/16/14	COMBUSTION TURBINE #1 (NORMAL OPERATION, WITH D	180	MW	USE PUC QUALITY NATURAL GAS	11.78	LB/H	BACT-PSD
EA-1382	AVENAL ENERGY PROJECT	KINGS	CA	12-06-01	04/21/11	01/16/14	COMBUSTION TURBINE #2 (NORMAL OPERATION, NO DU	180	MW	USE PUC QUALITY NATURAL GAS	8.91	LB/H	BACT-PSD
EA-1382	AVENAL ENERGY PROJECT	KINGS	CA	12-06-01	04/21/11	01/16/14	COMBUSTION TURBINE #2 (NORMAL OPERATION, NO DU	180	MW	USE PUC QUALITY NATURAL GAS	8.91	LB/H	BACT-PSD
EA-1382	AVENAL ENERGY PROJECT	KINGS	CA	12-06-01	04/21/11	01/16/14	COMBUSTION TURBINE #2 (NORMAL OPERATION, WITH D	180	MW	USE PUC QUALITY NATURAL GAS	11.78	LB/H	BACT-PSD
EA-1382	AVENAL ENERGY PROJECT	KINGS	CA	12-06-01	04/21/11	01/16/14	COMBUSTION TURBINE #2 (NORMAL OPERATION, WITH D	180	MW	USE PUC QUALITY NATURAL GAS	11.78	LB/H	BACT-PSD
EA-1382	AVENAL ENERGY PROJECT	KINGS	CA	12-06-01	04/21/11	01/16/14	AUXILIARY BOILER	37.4	MMBTU/H	USE PUC QUALITY NATURAL GAS, OPERATIONAL LIMIT OF 46.875 MMBTU/HR	0.0036	LB/MMBTU	BACT-PSD
EA-1382	AVENAL ENERGY PROJECT	KINGS	CA	12-06-01	04/21/11	01/16/14	AUXILIARY BOILER	37.4	MMBTU/H	USE PUC QUALITY NATURAL GAS, OPERATIONAL LIMIT OF 46.875 MMBTU/HR	0.0036	LB/MMBTU	BACT-PSD
EA-1382	AVENAL ENERGY PROJECT	KINGS	CA	12-06-01	04/21/11	01/16/14	EMERGENCY ENGINE	350	KW	USE PUC QUALITY PIPELINE NATURAL GAS	0.04	G/HP-H	BACT-PSD
EA-1382	AVENAL ENERGY PROJECT	KINGS	CA	12-06-01	04/21/11	01/16/14	EMERGENCY ENGINE	350	KW	USE PUC QUALITY PIPELINE NATURAL GAS	0.04	G/HP-H	BACT-PSD
EA-1382	AVENAL ENERGY PROJECT	KINGS	CA	12-06-01	04/21/11	01/16/14	EMERGENCY FIREWATER PUMP ENGINE	261	HP	USE ULTRA LOW SULFUR FUEL(SHOULD BE LESS THAN 15 PPM) FUEL SULFUR, OPERATIONAL	8		BACT-PSD
EA-1382	AVENAL ENERGY PROJECT	KINGS	CA	12-06-01	04/21/11	01/16/14	EMERGENCY FIREWATER PUMP ENGINE	261	HP	USE ULTRA LOW SULFUR FUEL NOT TO EXCEED 15 PPM(SHOULD BE LESS THAN 15 PPM) FUEL SULFUR, OPERATIONAL	8		BACT-PSD
EA-1396	MORRO BAY POWER PLANT	SAN LUIS OBISPO	CA	SCC 2001-01	05/25/06	01/14/14	COMBUSTION TURBINE GENERATOR	180	MW	USE PIPELINE QUALITY NATURAL GAS, OPERATE DUCT BURNERS NO MORE THAN 4000	11	LB/H	BACT-PSD
EA-1396	MORRO BAY POWER PLANT	SAN LUIS OBISPO	CA	SCC 2001-01	05/25/06	01/14/14	COMBUSTION TURBINE GENERATOR	180	MW	USE PIPELINE QUALITY NATURAL GAS, OPERATE DUCT BURNERS NO MORE THAN 4000	11	LB/H	BACT-PSD
EA-1396	MORRO BAY POWER PLANT	SAN LUIS OBISPO	CA	SCC 2001-01	05/25/06	01/14/14	COMBUSTION TURBINE GENERATOR	180	MW	USE PIPELINE QUALITY NATURAL GAS, OPERATE DUCT BURNERS NO MORE THAN 4000	11	LB/H	BACT-PSD
EA-1396	MORRO BAY POWER PLANT	SAN LUIS OBISPO	CA	SCC 2001-01	05/25/06	01/14/14	COMBUSTION TURBINE GENERATOR	180	MW	USE PIPELINE QUALITY NATURAL GAS, OPERATE DUCT BURNERS NO MORE THAN 4000	11	LB/H	BACT-PSD
EA-1411	COLUSA GENERATING STATION	COLUSA	CA	SAC 06-01	08/11/10	01/27/14	COMBUSTION TURBINES (WARM STARTUP PERIODS)	172	MW	USE NATURAL GAS	12	LB/H	BACT-PSD
EA-1411	COLUSA GENERATING STATION	COLUSA	CA	SAC 06-01	07/11/10	01/27/14	COMBUSTION TURBINES (WARM STARTUP PERIODS)	172	MW	USE NATURAL GAS	12	LB/H	BACT-PSD
EA-1411	COLUSA GENERATING STATION	COLUSA	CA	SAC 06-01	01/11/10	01/27/14	COMBUSTION TURBINES (HOT STARTUP PERIODS)	172	MW	USE NATURAL GAS	12	LB/H	BACT-PSD
EA-1411	COLUSA GENERATING STATION	COLUSA	CA	SAC 06-01	01/11/10	01/27/14	COMBUSTION TURBINES (HOT STARTUP PERIODS)	172	MW	USE NATURAL GAS	12	LB/H	BACT-PSD
EA-1411	COLUSA GENERATING STATION	COLUSA	CA	SAC 06-01	01/11/10	01/27/14	COMBUSTION TURBINES (SHUTDOWN PERIODS)	172	MW	USE NATURAL GAS	6	LB/H	BACT-PSD
EA-1411	COLUSA GENERATING STATION	COLUSA	CA	SAC 06-01	01/11/10	01/27/14	COMBUSTION TURBINES (SHUTDOWN PERIODS)	172	MW	USE NATURAL GAS	6	LB/H	BACT-PSD
EA-1411	COLUSA GENERATING STATION	COLUSA	CA	SAC 06-01	01/11/10	01/27/14	WATER BATH HEATER	18	MMBTU/H		0.029	LB/H	BACT-PSD
EA-1411	COLUSA GENERATING STATION	COLUSA	CA	SAC 06-01	01/11/10	01/27/14	WATER BATH HEATER	18	MMBTU/H		0.029	LB/H	BACT-PSD
EA-1411	COLUSA GENERATING STATION	COLUSA	CA	SAC 06-01	01/11/10	01/27/14	WET SURFACE AIR COOLER	8800	GAL/MIN		0.34	LB/H	BACT-PSD
EA-1411	COLUSA GENERATING STATION	COLUSA	CA	SAC 06-01	03/11/10	01/27/14	COMBUSTION TURBINES (NORMAL OPERATION)	172	MW	USE NATURAL GAS	15.3	LB/H	BACT-PSD
EA-1411	COLUSA GENERATING STATION	COLUSA	CA	SAC 06-01	03/11/10	01/27/14	COMBUSTION TURBINES (NORMAL OPERATION)	172	MW	USE NATURAL GAS	15.3	LB/H	BACT-PSD
EA-1411	COLUSA GENERATING STATION	COLUSA	CA	SAC 06-01	03/11/10	01/27/14	COMBUSTION TURBINES (COLD STARTUP PERIODS)	172	MW	USE NATURAL GAS	12	LB/H	BACT-PSD
EA-1411	COLUSA GENERATING STATION	COLUSA	CA	SAC 06-01	03/11/10	01/27/14	COMBUSTION TURBINES (COLD STARTUP PERIODS)	172	MW	USE NATURAL GAS	12	LB/H	BACT-PSD
EA-1412	PALMDALE HYBRID POWER PROJECT	LOS ANGELES	CA	14-09-01	10/13/11	01/27/14	AUXILIARY BOILER	159	MMBTU/H	USE PUC QUALITY NATURAL GAS	0.2	LB/H	BACT-PSD
EA-1412	PALMDALE HYBRID POWER PROJECT	LOS ANGELES	CA	14-09-01	10/18/11	01/27/14	AUXILIARY BOILER	158	MMBTU/H	USE PUC QUALITY NATURAL GAS	0.2	LB/H	BACT-PSD
EA-1412	PALMDALE HYBRID POWER PROJECT	LOS ANGELES	CA	14-09-01	10/18/11	01/27/14	AUXILIARY BOILER	158	MMBTU/H	USE PUC QUALITY NATURAL GAS	0.2	LB/H	BACT-PSD
EA-1412	PALMDALE HYBRID POWER PROJECT	LOS ANGELES	CA	14-09-01	10/18/11	01/27/14	COMBUSTION TURBINES (NORMAL OPERATION)	154	MW	USE PUC QUALITY NATURAL GAS	0.0044	LB/MMBTU	BACT-PSD
EA-1412	PALMDALE HYBRID POWER PROJECT	LOS ANGELES	CA	14-09-01	10/18/11	01/27/14	COMBUSTION TURBINES (NORMAL OPERATION)	154	MW	USE PUC QUALITY NATURAL GAS	0.0044	LB/MMBTU	BACT-PSD
EA-1412	PALMDALE HYBRID POWER PROJECT	LOS ANGELES	CA	14-09-01	10/18/11	01/27/14	COMBUSTION TURBINES (NORMAL OPERATION)	154	MW	USE PUC QUALITY NATURAL GAS	0.0044	LB/MMBTU	BACT-PSD
EA-1412	PALMDALE HYBRID POWER PROJECT	LOS ANGELES	CA	14-09-01	10/18/11	01/27/14	EMERGENCY ENGINE	2613	HP	USE ULTRA LOW SULFUR FUEL	0.2	G/KW-H	BACT-PSD
EA-1412	PALMDALE HYBRID POWER PROJECT	LOS ANGELES	CA	14-09-01	10/18/11	01/27/14	EMERGENCY ENGINE	2613	HP	USE ULTRA LOW SULFUR FUEL	0.2	G/KW-H	BACT-PSD
EA-1412	PALMDALE HYBRID POWER PROJECT	LOS ANGELES	CA	14-09-01	10/18/11	01/27/14	EMERGENCY ENGINE	2613	HP	USE ULTRA LOW SULFUR FUEL	0.2	G/KW-H	BACT-PSD
EA-1412	PALMDALE HYBRID POWER PROJECT	LOS ANGELES	CA	14-09-01	10/18/11	01/27/14	EMERGENCY ENGINE	162	HP	USE ULTRA LOW SULFUR FUEL	0.2	G/KW-H	BACT-PSD
EA-1412	PALMDALE HYBRID POWER PROJECT	LOS ANGELES	CA	14-09-01	10/18/11	01/27/14	EMERGENCY ENGINE	162	HP	USE ULTRA LOW SULFUR FUEL	0.2	G/KW-H	BACT-PSD
EA-1412	PALMDALE HYBRID POWER PROJECT	LOS ANGELES	CA	14-09-01	10/18/11	01/27/14	EMERGENCY ENGINE	162	HP	USE ULTRA LOW SULFUR FUEL	0.2	G/KW-H	BACT-PSD
EA-1412	PALMDALE HYBRID POWER PROJECT	LOS ANGELES	CA	14-09-01	10/18/11	01/27/14	AUXILIARY HEATER	40	MMBTU/H	USE PUC QUALITY PIPELINE NATURAL GAS	0.2	LB/H	BACT-PSD
EA-1412	PALMDALE HYBRID POWER PROJECT	LOS ANGELES	CA	14-09-01	10/18/11	01/27/14	AUXILIARY HEATER	40	MMBTU/H	USE PUC QUALITY PIPELINE NATURAL GAS	0.2	LB/H	BACT-PSD
EA-1412	PALMDALE HYBRID POWER PROJECT	LOS ANGELES	CA	14-09-01	10/18/11	01/27/14	AUXILIARY HEATER	40	MMBTU/H	USE PUC QUALITY PIPELINE NATURAL GAS	0.2	LB/H	BACT-PSD

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Table C-4: RBLC Database PM Emissions Query Results - Combined Cycle CT>100MW

RBLCID	FACILITY NAME	COUNTY	STATE	PERMIT NUMBER	PERMIT ISSUANCE DATE	DATE DETERMINATION LAST UPDATED	PROCESS	THROUGHPUT		CONTROL METHOD	EMISSIONS LIMIT		BAT-S
CA-1212	PALMDALE HYBRID POWER PROJECT	LOS ANGELES	CA	SE 96-01	10/16/12	01/27/14	COOLING TOWER	180000	M GPM CIRCULATION RATE		2.6	LB/HR	BACT-PSD
CA-1212	PALMDALE HYBRID POWER PROJECT	LOS ANGELES	CA	SE 96-01	10/16/12	01/27/14	COOLING TOWER	180000	M GPM CIRCULATION RATE		2.6	LB/HR	BACT-PSD
CA-1212	PALMDALE HYBRID POWER PROJECT	LOS ANGELES	CA	SE 96-01	10/16/12	01/27/14	COOLING TOWER	180000	M GPM CIRCULATION RATE		2.6	LB/HR	BACT-PSD
CO-0094	ROCKY MOUNTAIN ENERGY CENTER, LLC	WELD	CO	09WE0824	03/01/09	05/08/09	NATURAL-GAS FIRED, COMBINED CYCLE TURBINE	300	MW	NATURAL GAS QUALITY FUEL; DRY LOW NOX COMBUSTION CONTROL PRACTICES	0.0108	LB/MMBTU	BACT-PSD
*CO-0823	PUEBLO AIRPORT GENERATING STATION	PUEBLO	CO	09PB0591	07/22/10	03/18/14	Three simple cycle combustion turbines	799.7	MMBTU/H	Use of pipeline quality natural gas and good combustor design	4.9	LB/H	BACT-PSD
*CO-0823	PUEBLO AIRPORT GENERATING STATION	PUEBLO	CO	09PB0591	07/22/10	03/18/14	Three simple cycle combustion turbines	799.7	MMBTU/H	Use of pipeline quality natural gas and good combustor design	4.9	LB/H	BACT-PSD
*CO-0073	PUEBLO AIRPORT GENERATING STATION	PUEBLO	CO	09PB0591	07/22/10	03/18/14	Four combined cycle combustion turbines	873	MMBTU/H	Use of pipeline quality natural gas and good combustor design	4.3	LB/H	BACT-PSD
*CO-0073	PUEBLO AIRPORT GENERATING STATION	PUEBLO	CO	09PB0591	07/22/10	03/18/14	Four combined cycle combustion turbines	873	MMBTU/H	Use of pipeline quality natural gas and good combustor design	4.3	LB/H	BACT-PSD
CT-0151	KLEEN ENERGY SYSTEMS, LLC	MIDDLESEX	CT	104-0151 AND 104-0133	07/23/08	04/30/13	SIEMENS SGT6-8000H COMBUSTION TURBINE #1 AND #2	2.1	GALLON		11	LB/H	BACT-PSD
CT-0151	KLEEN ENERGY SYSTEMS, LLC	MIDDLESEX	CT	104-0151 AND 104-0133	07/23/08	04/30/13	SIEMENS SGT6-8000H COMBUSTION TURBINE #1 AND #2	18179	GALLON		87	LB/H	BACT-PSD
CT-0197	CPV TOWANTIC, LLC	NEW HAVEN	CT	144-0023	11/28/15	02/19/16	Combined Cycle Power Plant	2120000	MBtu/HR MMBtu/HR		9.78	LB/H	BACT-PSD
CT-0197	CPV TOWANTIC, LLC	NEW HAVEN	CT	144-0023	11/28/15	02/19/16	Combined Cycle Power Plant	2120000	gal/12 months		42.6	LB/H	BACT-PSD
CT-0198	CPV TOWANTIC, LLC	NEW HAVEN	CT	144-0024	11/28/15	02/19/16	Combined Cycle Power Plant	2120000	MMBtu/H		9.78	LB/H	BACT-PSD
CT-0198	CPV TOWANTIC, LLC	NEW HAVEN	CT	144-0024	11/28/15	02/19/16	Combined Cycle Power Plant	2120000	gal/12 months		42.6	LB/H	BACT-PSD
DE-0008	BARRTON ENERGY CENTER	KENT COUNTY	DE	APC-2012/0090	01/30/13	11/20/13	Unit 1	2148	million BTUs	Fuel design limitation to natural gas and low sulfur distillate oil	120.4	TON	BACT-PSD
FL-0216	FPL WEST COUNTY ENERGY CENTER	PALM BEACH	FL	PSD-FL-434 AND 0990466-001-AC	01/30/07	05/21/09	TWO 76-CELL MECHANICAL DRAFT	304-009	GALLON		8		BACT-PSD
FL-0216	FPL WEST COUNTY ENERGY CENTER	PALM BEACH	FL	PSD-FL-434 AND 0990466-001-AC	01/30/07	05/21/09	COMBINED CYCLE COMBUSTION GAS TURBINES - 6 UNITS	2323	MMBTU/H		2	03/108 SCF GAS	BACT-PSD
FL-0216	FPL WEST COUNTY ENERGY CENTER	PALM BEACH	FL	PSD-FL-434 AND 0990466-001-AC	01/30/07	05/21/09	TWO 99.8 MMBTU/H GAS-FUELED AUXILIARY BOILERS	99.8	MMBTU/H		2	03/108 SCF GAS	BACT-PSD
FL-0216	FPL WEST COUNTY ENERGY CENTER	PALM BEACH	FL	PSD-FL-434 AND 0990466-001-AC	01/30/07	05/21/09	TWO GAS-FUELED 30 MMBTU/H PROCESS HEATERS	30	MMBTU/H		2	03/108 SCF GAS	BACT-PSD
FL-0216	FPL WEST COUNTY ENERGY CENTER	PALM BEACH	FL	PSD-FL-434 AND 0990466-001-AC	01/30/07	05/21/09	FOUR 7250 HP LIQUID FUEL EMERGENCY GENERATORS				8.4	LB/H-HPH	BACT-PSD
FL-0216	FPL WEST COUNTY ENERGY CENTER	PALM BEACH	FL	PSD-FL-434 AND 0990466-001-AC	01/30/07	05/21/09	DIRT EMERGENCY DIESEL FIRED PUMP AND 500 GALLON STORAGE TANK				8.4	LB/H-HPH	BACT-PSD
FL-0303	FPL WEST COUNTY ENERGY CENTER UNITS 3	PALM BEACH COUNTY	FL	0990466-003-AC (PSD-FL-396)	07/30/08	01/05/11	THREE NOMINAL 230 MW CTG (EACH) WITH SUPPLEMENT	2338	MMBTU/H		2	03/108 SCF GAS	BACT-PSD
FL-0303	FPL WEST COUNTY ENERGY CENTER UNIT 3	PALM BEACH COUNTY	FL	0990466-003-AC (PSD-FL-396)	07/30/08	01/05/11	TWO NOMINAL 20 MMBTU/H NATURAL GAS-FIRED PROCESS	20	MMBTU/H		2	03/108 SCF	BACT-PSD
FL-0303	FPL WEST COUNTY ENERGY CENTER UNITS 3	PALM BEACH COUNTY	FL	0990466-003-AC (PSD-FL-396)	07/30/08	01/05/11	ONE 24-CELL MECHANICAL DRAFT COOLING TOWER			THE PERMITTEE SHALL CERTIFY THAT THE COOLING TOWER WAS CONSTRUCTED TO MEET	0.0099	%	BACT-PSD
FL-0303	FPL WEST COUNTY ENERGY CENTER UNITS 3	PALM BEACH COUNTY	FL	0990466-003-AC (PSD-FL-396)	07/30/08	01/05/11	TWO NOMINAL 7.5 MW (ISO) MAINTENANCE GENERATOR	31	MMBTU/H		0.4	LB/H-HPH	BACT-PSD
FL-0346	EARL PLANO POWER PLANT	OSCEOLA	FL	PSD-FL-408 (09 PDM 340 AC)	04/30/09	04/30/09	AN EIGHT-CELL MECHANICAL COOLING TOWER				0		BACT-PSD
FL-0346	EARL PLANO POWER PLANT	OSCEOLA	FL	PSD-FL-408 (09 PDM 340 AC)	04/30/09	04/30/09	300 MW COMBINED CYCLE COMBUSTION TURBINE	1840	MMBTU/H	FUEL SPECIFICATIONS 13 GB 8/100 SCF OF GAS	3	GB 8/100 SCF GAS	BACT-PSD
FL-0346	EARL PLANO POWER PLANT	OSCEOLA	FL	PSD-FL-408 (09 PDM 340 AC)	04/30/09	04/30/09	1MEGA WATT FIRE PUMP, 2 USED OIL STORAGE TANK				0.15	LB/H-HPH	BACT-PSD
FL-0346	EARL PLANO POWER PLANT	OSCEOLA	FL	PSD-FL-408 (09 PDM 340 AC)	04/30/09	04/30/09	DIESEL ELECTRIC GENERATOR FOR SAFE SHUTDOWN OF UNIT 4 AND USED OIL STORAGE TANK				0.15	LB/H-HPH	BACT-PSD
FL-0317	POLK POWER STATION	POLK	FL	APC-0123-C-AC	10/14/13	11/07/13	Combined cycle power plant (Unit 2 of 2)	1950	MW		2	GB 8/100 SCF OF GAS	BACT-PSD
*IL-0196	DIXI ECHOPHI CLEAN ENERGY CENTER	DIXI ECHOPHI	IL	0930117-003-AC	05/08/10	05/16/16	Combined-cycle electric generating unit	3096	lb/hr per unit	Use of clean fuels	3	0.0099 LB/GB SCF GAS	BACT-PSD
*IL-0196	DIXI ECHOPHI CLEAN ENERGY CENTER	DIXI ECHOPHI	IL	0930117-003-AC	05/09/10	05/16/16	Combined-cycle electric generating unit	3096	lb/hr per unit	Use of clean fuels	3	GB 8/100 SCF GAS	BACT-PSD
*IL-0196	DIXI ECHOPHI CLEAN ENERGY CENTER	DIXI ECHOPHI	IL	0930117-003-AC	05/09/10	05/16/16	Combined-cycle electric generating unit	3096	lb/hr per unit	Use of clean fuels	3	GB 8/100 SCF GAS	BACT-PSD
*IL-0196	DIXI ECHOPHI CLEAN ENERGY CENTER	DIXI ECHOPHI	IL	0930117-003-AC	05/09/10	05/16/16	Auxiliary Boiler, 99.8 MMBtu/hr	99.8	MMBtu/hr	Use of clean fuels	18	% OPACITY	BACT-PSD
*IL-0196	DIXI ECHOPHI CLEAN ENERGY CENTER	DIXI ECHOPHI	IL	0930117-003-AC	05/09/10	05/16/16	Mechanical draft cooling tower	465613	gallons/minute	Uses have certified drift rate no more than 0.0002%	8		BACT-PSD
*IL-0196	DIXI ECHOPHI CLEAN ENERGY CENTER	DIXI ECHOPHI	IL	0930117-003-AC	05/09/10	05/16/16	Three 3300-kW USED emergency generators	8		Use of clean fuel	0.3	G / KW-HR	BACT-PSD
*IL-0196	DIXI ECHOPHI CLEAN ENERGY CENTER	DIXI ECHOPHI	IL	0930117-003-AC	05/09/10	05/16/16	One 422-hp emergency fire pump engine	0		Use of clean fuel	0.3	G / KW-HR	BACT-PSD
*IA-0187	MARSHALLTOWN GENERATING STATION	MARSHALL	IA	13-A-696-P	06/14/14	03/08/16	Combustion turbine #1 - combined cycle	2736	mmBtu/hr		0.01	LB/MMBTU	BACT-PSD
*IA-0187	MARSHALLTOWN GENERATING STATION	MARSHALL	IA	13-A-696-P	06/14/14	03/08/16	Gas peak heater	15.83	mmBtu/hr		0.006	LB/MMBTU	BACT-PSD
*IA-0187	MARSHALLTOWN GENERATING STATION	MARSHALL	IA	13-A-696-P	06/14/14	03/08/16	Cooling tower	180000	gal/min/cell	non chromated	12	LB/H	BACT-PSD
*IA-0187	MARSHALLTOWN GENERATING STATION	MARSHALL	IA	13-A-696-P	06/14/14	03/08/16	Combustion turbine #2 - combined cycle	2736	mmBtu/hr		0.01	LB/MMBTU	BACT-PSD
*IA-0187	MARSHALLTOWN GENERATING STATION	MARSHALL	IA	13-A-696-P	06/14/14	03/08/16	Auxiliary boiler	66.1	mmBtu/hr		0.006	LB/MMBTU	BACT-PSD
IO-0028	LANGLEY BLUFF POWER PLANT	PAYETTE	ID	P-2009-0083	06/17/10	10/05/10	COMBUSTION TURBINE, COMBINED CYCLE W/ DUCT BURNER	2373.23	MMBtu/H	GOOD COMBUSTION PRACTICES (GCP)	0		BACT-PSD
IO-0028	LANGLEY BLUFF POWER PLANT	PAYETTE	ID	P-2009-0083	06/17/10	10/05/10	EMERGENCY GENERATOR ENGINE	750	KW	GOOD COMBUSTION PRACTICES (GCP)	0.3	G/KW-HR	BACT-PSD
IO-0028	LANGLEY BLUFF POWER PLANT	PAYETTE	ID	P-2009-0083	06/17/10	10/05/10	FIRE PUMP ENGINE	275	KW	GOOD COMBUSTION PRACTICES (GCP)	0.3	G/KW-HR	BACT-PSD
IO-0028	LANGLEY BLUFF POWER PLANT	PAYETTE	ID	P-2009-0083	06/17/10	10/05/10	COOLING TOWER	65208	GALLONS	GOOD OPERATING PRACTICES	0		BACT-PSD
IO-0028	LANGLEY BLUFF POWER PLANT	PAYETTE	ID	P-2009-0083	06/17/10	10/05/10	BULK CHEMICAL STORAGE (SILO LOADING)	0		GOOD OPERATING PRACTICES	0		BACT-PSD
*IL-0113	NELSON ENERGY CENTER	LEE	IL	96-0083	12/26/96	03/15/16	Electric Generation Facility	238	MW each		0.012	LB/MMBTU	BACT-PSD
*IL-0113	NELSON ENERGY CENTER	LEE	IL	96-0083	12/26/96	03/15/16	Electric Generation Facility	238	MW each		0.006	LB/MMBTU	BACT-PSD
*IN-0131	ST. JOSEPH ENERGY CENTER, LLC	ST. JOSEPH	IN	141-31887-00078	12/05/12	05/04/16	FOUR (4) NATURAL GAS COMBINED CYCLE COMBUSTION	2309	MMBTU/H	GOOD COMBUSTION PRACTICE AND FUEL SPECIFICATION	18	LB/H	BACT-PSD
*IN-0131	ST. JOSEPH ENERGY CENTER, LLC	ST. JOSEPH	IN	141-31078-00079	12/05/12	05/04/16	FOUR (4) NATURAL GAS COMBINED CYCLE COMBUSTION	2309	MMBTU/H	GOOD COMBUSTION PRACTICE AND FUEL SPECIFICATION	14	LB/H	BACT-PSD
*IN-0131	ST. JOSEPH ENERGY CENTER, LLC	ST. JOSEPH	IN	141-31063-00079	12/05/12	05/04/16	FOUR (4) NATURAL GAS COMBINED CYCLE COMBUSTION	2309	MMBTU/H	GOOD COMBUSTION PRACTICE AND FUEL SPECIFICATION	14	LB/H	BACT-PSD
*IN-0134	ST. JOSEPH ENERGY CENTER, LLC	ST. JOSEPH	IN	141-31005-00079	12/05/12	05/04/16	TWO (2) NATURAL GAS AUXILIARY BOILERS	65	MMBTU/H	GOOD COMBUSTION PRACTICES AND FUEL SPECIFICATIONS	0.0075	LB/MMBTU	BACT-PSD
*IN-0134	ST. JOSEPH ENERGY CENTER, LLC	ST. JOSEPH	IN	141-31003-00079	12/05/12	05/04/16	TWO (2) NATURAL GAS AUXILIARY BOILERS	65	MMBTU/H	GOOD COMBUSTION PRACTICES AND FUEL SPECIFICATIONS	0.0075	LB/MMBTU	BACT-PSD
*IN-0134	ST. JOSEPH ENERGY CENTER, LLC	ST. JOSEPH	IN	141-31089-00079	12/05/12	05/04/16	TWO (2) NATURAL GAS AUXILIARY BOILERS	99	MMBTU/H	GOOD COMBUSTION PRACTICES AND FUEL SPECIFICATIONS	0.0075	LB/MMBTU	BACT-PSD
*IN-0134	ST. JOSEPH ENERGY CENTER, LLC	ST. JOSEPH	IN	141-31005-00079	12/05/12	05/04/16	TWO (2) FIRE WATER PUMP DIESEL ENGINES	373	BHP / EACH	COMBUSTION DESIGN CONTROLS AND USAGE LIMITS	0.15	G/BHP-H	BACT-PSD
*IN-0134	ST. JOSEPH ENERGY CENTER, LLC	ST. JOSEPH	IN	141-31003-00079	12/05/12	05/04/16	TWO (2) FIRE WATER PUMP DIESEL ENGINES	373	BHP / EACH	COMBUSTION DESIGN CONTROLS AND USAGE LIMITS	0.15	G/BHP-H	BACT-PSD
*IN-0134	ST. JOSEPH ENERGY CENTER, LLC	ST. JOSEPH	IN	141-31089-00079	12/05/12	05/04/16	TWO (2) FIRE WATER PUMP DIESEL ENGINES	373	BHP / EACH	COMBUSTION DESIGN CONTROLS AND USAGE LIMITS	0.15	G/BHP-H	BACT-PSD
*IN-0134	ST. JOSEPH ENERGY CENTER, LLC	ST. JOSEPH	IN	141-31005-00079	12/05/12	05/04/16	TWO (2) EMERGENCY DIESEL GENERATORS	1806	HP EACH	COMBUSTION DESIGN CONTROLS AND USAGE LIMITS	0.38	G/BHP-H	BACT-PSD
*IN-0134	ST. JOSEPH ENERGY CENTER, LLC	ST. JOSEPH	IN	141-31003-00079	12/05/12	05/04/16	TWO (2) EMERGENCY DIESEL GENERATORS	1806	HP EACH	COMBUSTION DESIGN CONTROLS AND USAGE LIMITS	0.38	G/BHP-H	BACT-PSD
*IN-0134	ST. JOSEPH ENERGY CENTER, LLC	ST. JOSEPH	IN	141-31089-00079	12/05/12	05/04/16	TWO (2) EMERGENCY DIESEL GENERATORS	1806	HP EACH	COMBUSTION DESIGN CONTROLS AND USAGE LIMITS	0.38	G/BHP-H	BACT-PSD
*IN-0134	ST. JOSEPH ENERGY CENTER, LLC	ST. JOSEPH	IN	141-31005-00079	12/05/12	05/04/16	TWO (2) COOLING TOWERS	170000	GALLONS	DRIFT ELIMINATOR	0.0005	% DRIFT LOSS	BACT-PSD
*IN-0134	ST. JOSEPH ENERGY CENTER, LLC	ST. JOSEPH	IN	141-31003-00079	12/05/12	05/04/16	TWO (2) COOLING TOWERS	170000	GALLONS	DRIFT ELIMINATOR	0.0005	% DRIFT LOSS	BACT-PSD
*IN-0134	ST. JOSEPH ENERGY CENTER, LLC	ST. JOSEPH	IN	141-31089-00079	12/05/12	05/04/16	TWO (2) COOLING TOWERS	170000	GALLONS	DRIFT ELIMINATOR	0.0005	% DRIFT LOSS	BACT-PSD
*IN-0134	ST. JOSEPH ENERGY CENTER, LLC	ST. JOSEPH	IN	141-31005-00079	12/05/12	05/04/16	TURBINE LUBE DEMISTER VENTS	0		GOOD DESIGN AND OPERATING PRACTICES	0		BACT-PSD
*IN-0134	ST. JOSEPH ENERGY CENTER, LLC	ST. JOSEPH	IN	141-31003-00079	12/05/12	05/04/16	TURBINE LUBE DEMISTER VENTS	0		GOOD DESIGN AND OPERATING PRACTICES	0		BACT-PSD
*IN-0134	ST. JOSEPH ENERGY CENTER, LLC	ST. JOSEPH	IN	141-31089-00079	12/05/12	05/04/16	TURBINE LUBE DEMISTER VENTS	0		GOOD DESIGN AND OPERATING PRACTICES	0		BACT-PSD
LA-0134	PLAQUEMINE COGENERATION FACILITY	WEST BATON ROUGE	LA	PSD-LA-599 (M3)	07/23/04	04/23/09	BOILERS TURBINES/DUCT BURNERS	2876	MMBTU/H	USE OF CLEAN BURNING FUELS	31.5	LB/H	BACT-PSD
LA-0134	PLAQUEMINE COGENERATION FACILITY	WEST BATON ROUGE	LA	PSD-LA-599 (M3)	07/23/04	04/23/09	COOLING TOWER	8.01	% DRIFT RATE	GOOD OPERATING PRACTICES	1.4	LB/H	BACT-PSD
LA-0238	ARSENAL HILL POWER PLANT	CADDO	LA	PSD-LA-726	03/30/08	09/11/12	TWO COMBINED CYCLE GAS TURBINES	2138	MMBTU/H	GOOD COMBUSTION DESIGN/PROPER OPERATING PRACTICES/PIPELINE QUALITY NATURAL	38.23	LB/H	BACT-PSD
LA-0238	ARSENAL HILL POWER PLANT	CADDO	LA	PSD-LA-726	03/30/08	09/11/12	COOLING TOWER	160908	GALLONS	USE OF MIST ELIMINATORS	1.4	LB/H	BACT-PSD
LA-0238	ARSENAL HILL POWER PLANT	CADDO	LA	PSD-LA-726	03/30/08	09/11/12	DIPE DIESEL FIRE PUMP	318	HP	USE OF LOW-SULFUR DIESEL; LIMITING OPERATING HOURS AND PROPER ENGINE MAINT	0.66	LB/H	BACT-PSD
LA-0254	NORTHEAST POINT ELECTRIC GENERATING PLANT	JEFFERSON	LA	PSD-LA-752	06/14/11	12/12/11	COMBINED CYCLE TURBINE GENERATORS (UNITS 6A & 6B)	7346	MMBTU/HR	COMBUSTION PRACTICES	24.59	LB/H	BACT-PSD
LA-0254	NORTHEAST POINT ELECTRIC GENERATING PLANT	JEFFERSON	LA	PSD-LA-752	06/14/11	12/12/11	COMBINED CYCLE TURBINE GENERATORS (UNITS 6A & 6B)	7346	MMBTU/HR	COMBUSTION PRACTICES	24.59	LB/H	BACT-PSD
LA-0254	NORTHEAST POINT ELECTRIC GENERATING PLANT	JEFFERSON	LA	PSD-LA-752	06/14/11	12/12/11	AUXILIARY BOILER (AUX-1)	353	MMBTU/H	USE OF PIPELINE QUALITY NATURAL GAS AND GOOD COMBUSTION PRACTICES	7.4	LB/MMSCF	BACT-PSD
LA-0254	NORTHEAST POINT ELECTRIC GENERATING PLANT	JEFFERSON	LA	PSD-LA-752	06/14/11	12/12/11	AUXILIARY BOILER (AUX-1)	353	MMBTU/H	USE OF PIPELINE QUALITY NATURAL GAS AND GOOD COMBUSTION PRACTICES	7.4	LB/MMSCF	BACT-PSD
LA-0254	NORTHEAST POINT ELECTRIC GENERATING PLANT	JEFFERSON	LA	PSD-LA-752	06/14/11	12/12/11	CHILLER COOLING TOWER (CHILL CT)	12000	GALLONS	HIGH EFFICIENCY MIST ELIMINATION	0.001	PERCENT DRIFT	BACT-PSD
LA-0254	NORTHEAST POINT ELECTRIC GENERATING PLANT	JEFFERSON	LA	PSD-LA-752	06/14/11	12/12/11	CHILLER COOLING TOWER (CHILL CT)	12000	GALLONS	HIGH EFFICIENCY MIST ELIMINATION	0.001	PERCENT DRIFT	BACT-PSD
LA-0254	NORTHEAST POINT ELECTRIC GENERATING PLANT	JEFFERSON	LA	PSD-LA-752	06/14/11	12/12/11	UNIT 6 COOLING TOWER	113242	GALLONS	HIGH EFFICIENCY MIST ELIMINATION	0.0005	PERCENT DRIFT	BACT-PSD

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Table G-4. RBLC Database PM Emissions Query Results - Combined Cycle CTs/HRSGs

RBLID	FACILITY NAME	COUNTY	STATE	PERMIT NUMBER	PERMIT ISSUANCE DATE	DATE DETERMINATION LAST UPDATED	PROCESS	THROUGHPUT		CONTROL METHOD	EMISSION LIMIT		BACT
LA-0234	NINE MILE POINT ELECTRIC GENERATING PLANT	JEFFERSON	LA	PSD-LA-752	08/16/11	12/12/11	UNIT 6 COOLING TOWER	115447	GAL/MIN	HIGH EFFICIENCY MIST ELIMINATOR	0.0005	PM / NT/PM	BACT-PSD
LA-0234	NINE MILE POINT ELECTRIC GENERATING PLANT	JEFFERSON	LA	PSD-LA-752	08/16/11	12/12/11	EMERGENCY DIESEL GENERATOR	1250	HP	ULTRA LOW SULFUR DIESEL AND GOOD COMBUSTION PRACTICES	0.15	G/HP-H	BACT-PSD
LA-0234	NINE MILE POINT ELECTRIC GENERATING PLANT	JEFFERSON	LA	PSD-LA-752	08/16/11	12/12/11	EMERGENCY DIESEL GENERATOR	1250	HP	ULTRA LOW SULFUR DIESEL AND GOOD COMBUSTION PRACTICES	0.15	G/HP-H	BACT-PSD
LA-0234	NINE MILE POINT ELECTRIC GENERATING PLANT	JEFFERSON	LA	PSD-LA-752	08/16/11	12/12/11	EMERGENCY FIRE PUMP	250	HP	ULTRA LOW SULFUR DIESEL AND GOOD COMBUSTION PRACTICES	0.13	G/HP-H	BACT-PSD
LA-0234	NINE MILE POINT ELECTRIC GENERATING PLANT	JEFFERSON	LA	PSD-LA-752	08/16/11	12/12/11	EMERGENCY FIRE PUMP	250	HP	ULTRA LOW SULFUR DIESEL AND GOOD COMBUSTION PRACTICES	0.15	G/HP-H	BACT-PSD
LA-0236	COLISEUM PLANT	ASCENSION	LA	PSD-LA-754	12/06/11	04/03/12	COGENERATION TRAINS 1-8 (1-10, 2-10, 3-10)	473	MMBTU/H	USE OF NATURAL GAS AS FUEL AND GOOD COMBUSTION PRACTICES	3.79	LB/H	BACT-PSD
LA-0236	COLISEUM PLANT	ASCENSION	LA	PSD-LA-754	12/06/11	04/03/12	COGENERATION TRAINS 1-8 (1-10, 2-10, 3-10)	473	MMBTU/H	USE OF NATURAL GAS AS FUEL AND GOOD COMBUSTION PRACTICES	3.79	LB/H	BACT-PSD
LA-0236	COLISEUM PLANT	ASCENSION	LA	PSD-LA-754	12/06/11	04/03/12	EMERGENCY GENERATOR	1818	HP	USE OF NATURAL GAS AS FUEL AND GOOD COMBUSTION PRACTICES	0.01	LB/H	BACT-PSD
LA-0236	COLISEUM PLANT	ASCENSION	LA	PSD-LA-754	12/06/11	04/03/12	EMERGENCY GENERATOR	1818	HP	USE OF NATURAL GAS AS FUEL AND GOOD COMBUSTION PRACTICES	0.01	LB/H	BACT-PSD
LA-0237	SABINE PASS LNG TERMINAL	CAMERON	LA	PSD-LA-703(M1)	12/06/11	09/11/12	Generator Engines (2)	2012	hp	fueled by natural gas	0.75	LB/H	BACT-PSD
LA-0237	SABINE PASS LNG TERMINAL	CAMERON	LA	PSD-LA-703(M1)	12/06/11	09/11/12	Simple Cycle Refrigeration Compressor Turbines (24)	215	MMBTU/H	Good combustion practices and fueled by a natural gas	7.85	LB/H	BACT-PSD
LA-0237	SABINE PASS LNG TERMINAL	CAMERON	LA	PSD-LA-703(M1)	12/06/11	09/11/12	Combined Cycle Refrigeration Compressor Turbines (8)	216	MMBTU/H	Good combustion practices and fueled by natural gas	7.85	LB/H	BACT-PSD
LA-0237	SABINE PASS LNG TERMINAL	CAMERON	LA	PSD-LA-703(M1)	12/06/11	09/11/12	Ismoke Cycle Generation Turbines (2)	196	MMBTU/H	Good combustion practices and fueled by a natural gas	3.94	LB/H	BACT-PSD
LA-0237	SABINE PASS LNG TERMINAL	CAMERON	LA	PSD-LA-703(M1)	12/06/11	09/11/12	Marine Flare	1540	MMBTU/H	proper pilot operations and maintain the presence of the flame when the gas is routed	14.97	LB/H	BACT-PSD
LA-0237	SABINE PASS LNG TERMINAL	CAMERON	LA	PSD-LA-703(M1)	12/06/11	09/11/12	Wet/Dry Gas Flares (6)	6.24	MMBTU/H	proper pilot operations and maintain the presence of the flame when the gas is routed	0.01	LB/H	BACT-PSD
MA-0039	SALEM HARBOR STATION REDEVELOPMENT	ESSEX	MA	N1-13-022	01/30/14	01/05/16	Combustion Turbine with Duct Burner	2403	MMBTU/H		0.0042	LB/MMBTU	BACT-PSD
MA-0039	SALEM HARBOR STATION REDEVELOPMENT	ESSEX	MA	N1-13-022	01/30/14	01/05/16	Combustion Turbine with Duct Burner	2403	MMBTU/H		0.0042	LB/MMBTU	BACT-PSD
MA-0039	SALEM HARBOR STATION REDEVELOPMENT	ESSEX	MA	N1-13-022	01/30/14	01/05/16	Auxiliary Boiler	50	MMBTU/H		0.005	LB/MMBTU	BACT-PSD
MA-0039	SALEM HARBOR STATION REDEVELOPMENT	ESSEX	MA	N1-13-022	01/30/14	01/05/16	Auxiliary Boiler	50	MMBTU/H		0.005	LB/MMBTU	BACT-PSD
MA-0039	SALEM HARBOR STATION REDEVELOPMENT	ESSEX	MA	N1-13-022	01/30/14	01/05/16	Emergency Engine/Generator	7.2	MMBTU/H		0.15	G/HP-H	BACT-PSD
MA-0039	SALEM HARBOR STATION REDEVELOPMENT	ESSEX	MA	N1-13-022	01/30/14	01/05/16	Emergency Engine/Generator	7.2	MMBTU/H		0.15	G/HP-H	BACT-PSD
MA-0039	SALEM HARBOR STATION REDEVELOPMENT	ESSEX	MA	N1-13-022	01/30/14	01/05/16	Fire Pump Engine	2.7	MMBTU/H		0.15	G/HP-H	BACT-PSD
MA-0039	SALEM HARBOR STATION REDEVELOPMENT	ESSEX	MA	N1-13-022	01/30/14	01/05/16	Fire Pump Engine	2.7	MMBTU/H		0.15	G/HP-H	BACT-PSD
MD-0061	CPV ST. CHARLES	CHARLES	MD	PSC CASE NO. 9280	04/23/14	03/16/16	2 COMBINED-CYCLE COMBUSTION TURBINES	725	MEGAWATT	USE OF PIPELINE-QUALITY NATURAL GAS EXCLUSIVELY AND GOOD COMBUSTION PRAC	0.007	LB/MMBTU	BACT-PSD
MD-0061	CPV ST. CHARLES	CHARLES	MD	PSC CASE NO. 9280	04/23/14	03/16/16	2 COMBINED-CYCLE COMBUSTION TURBINES	725	MEGAWATT	USE OF PIPELINE-QUALITY NATURAL GAS EXCLUSIVELY AND GOOD COMBUSTION PRAC	0.011	LB/MMBTU	BACT-PSD
MD-0061	CPV ST. CHARLES	CHARLES	MD	PSC CASE NO. 9280	04/23/14	03/16/16	AUXILIARY BOILER	93	MMBTU/H	USE OF PIPELINE QUALITY NATURAL GAS AND GOOD COMBUSTION PRACTICES	0.005	LB/MMBTU	BACT-PSD
MD-0061	CPV ST. CHARLES	CHARLES	MD	PSC CASE NO. 9280	04/23/14	03/16/16	AUXILIARY BOILER	93	MMBTU/H	USE OF PIPELINE QUALITY NATURAL GAS AND GOOD COMBUSTION PRACTICES	0.005	LB/MMBTU	BACT-PSD
MD-0061	CPV ST. CHARLES	CHARLES	MD	PSC CASE NO. 9280	04/23/14	03/16/16	EMERGENCY GENERATOR	1900	KW	EXCLUSIVE USE OF ULTRA LOW SULFUR FUEL AND GOOD COMBUSTION PRACTICES	0.15	G/HP-H	BACT-PSD
MD-0061	CPV ST. CHARLES	CHARLES	MD	PSC CASE NO. 9280	04/23/14	03/16/16	EMERGENCY GENERATOR	1500	KW	EXCLUSIVE USE OF ULTRA LOW SULFUR FUEL AND GOOD COMBUSTION PRACTICES	0.15	G/HP-H	BACT-PSD
MD-0061	CPV ST. CHARLES	CHARLES	MD	PSC CASE NO. 9280	04/23/14	03/16/16	EMERGENCY DIESEL ENGINE FOR FIRE WATER PUMP	300	HP	EXCLUSIVE USE OF ULTRA LOW SULFUR FUEL AND GOOD COMBUSTION PRACTICES	0.15	G/HP-H	BACT-PSD
MD-0061	CPV ST. CHARLES	CHARLES	MD	PSC CASE NO. 9280	04/23/14	03/16/16	EMERGENCY DIESEL ENGINE FOR FIRE WATER PUMP	300	HP	EXCLUSIVE USE OF ULTRA LOW SULFUR FUEL AND GOOD COMBUSTION PRACTICES	0.15	G/HP-H	BACT-PSD
MD-0061	CPV ST. CHARLES	CHARLES	MD	PSC CASE NO. 9280	04/23/14	03/16/16	FUEL GAS HEATER	9.3	MMBTU/H	USE OF PIPELINE QUALITY NATURAL GAS AND GOOD COMBUSTION PRACTICES	0.007	LB/MMBTU	BACT-PSD
MD-0061	CPV ST. CHARLES	CHARLES	MD	PSC CASE NO. 9280	04/23/14	03/16/16	FUEL GAS HEATER	9.3	MMBTU/H	USE OF PIPELINE QUALITY NATURAL GAS AND GOOD COMBUSTION PRACTICES	0.007	LB/MMBTU	BACT-PSD
MD-0062	WILDCAT POINT GENERATION FACILITY	CECIL	MD	CPCN CASE NO. 9327	04/04/14	03/16/16	2 COMBINED CYCLE COMBUSTION TURBINES, WITH DUCT	1080	MW	EXCLUSIVE USE OF PIPELINE QUALITY NATURAL GAS AND EFFICIENT TURBINE DESIGN	22.8	LB/H	BACT-PSD
MD-0062	WILDCAT POINT GENERATION FACILITY	CECIL	MD	CPCN CASE NO. 9327	04/04/14	03/16/16	2 COMBINED CYCLE COMBUSTION TURBINES, WITH DUCT	1080	MW	EXCLUSIVE USE OF PIPELINE QUALITY NATURAL GAS AND EFFICIENT TURBINE DESIGN	38	LB/H	BACT-PSD
MD-0062	WILDCAT POINT GENERATION FACILITY	CECIL	MD	CPCN CASE NO. 9327	04/04/14	03/16/16	2 COMBINED CYCLE COMBUSTION TURBINES, WITH DUCT	1080	MW	EXCLUSIVE USE OF PIPELINE QUALITY NATURAL GAS AND EFFICIENT TURBINE DESIGN	38	LB/H	BACT-PSD
MD-0062	WILDCAT POINT GENERATION FACILITY	CECIL	MD	CPCN CASE NO. 9327	04/04/14	03/16/16	2 COMBINED CYCLE COMBUSTION TURBINES, WITHOUT D	370	MW	EXCLUSIVE USE OF PIPELINE QUALITY NATURAL GAS AND EFFICIENT TURBINE DESIGN	11	LB/H	BACT-PSD
MD-0062	WILDCAT POINT GENERATION FACILITY	CECIL	MD	CPCN CASE NO. 9327	04/04/14	03/16/16	2 COMBINED CYCLE COMBUSTION TURBINES, WITHOUT D	370	MW	EXCLUSIVE USE OF PIPELINE QUALITY NATURAL GAS AND EFFICIENT TURBINE DESIGN	11	LB/H	BACT-PSD
MD-0062	WILDCAT POINT GENERATION FACILITY	CECIL	MD	CPCN CASE NO. 9327	04/04/14	03/16/16	2 COMBINED CYCLE COMBUSTION TURBINES, WITHOUT D	370	MW	EXCLUSIVE USE OF PIPELINE QUALITY NATURAL GAS AND EFFICIENT TURBINE DESIGN	11	LB/H	BACT-PSD
MD-0062	WILDCAT POINT GENERATION FACILITY	CECIL	MD	CPCN CASE NO. 9327	04/04/14	03/16/16	AUXILIARY BOILER	45	MMBTU/H	EXCLUSIVE USE OF PIPELINE QUALITY NATURAL GAS AND GOOD COMBUSTION PRACTIC	0.0075	LB/MMBTU	BACT-PSD
MD-0062	WILDCAT POINT GENERATION FACILITY	CECIL	MD	CPCN CASE NO. 9327	04/04/14	03/16/16	AUXILIARY BOILER	45	MMBTU/H	EXCLUSIVE USE OF PIPELINE QUALITY NATURAL GAS AND GOOD COMBUSTION PRACTIC	0.0075	LB/MMBTU	BACT-PSD
MD-0062	WILDCAT POINT GENERATION FACILITY	CECIL	MD	CPCN CASE NO. 9327	04/04/14	03/16/16	AUXILIARY BOILER	45	MMBTU/H	EXCLUSIVE USE OF PIPELINE QUALITY NATURAL GAS AND GOOD COMBUSTION PRACTIC	0.0075	LB/MMBTU	BACT-PSD
MD-0062	WILDCAT POINT GENERATION FACILITY	CECIL	MD	CPCN CASE NO. 9327	04/04/14	03/16/16	EMERGENCY GENERATOR 1	2298	KW	EXCLUSIVE USE OF ULSD FUEL, GOOD COMBUSTION PRACTICES, LIMITED HOURS OF OP	0.15	G/HP-H	BACT-PSD
MD-0062	WILDCAT POINT GENERATION FACILITY	CECIL	MD	CPCN CASE NO. 9327	04/04/14	03/16/16	EMERGENCY GENERATOR 1	2298	KW	EXCLUSIVE USE OF ULSD FUEL, GOOD COMBUSTION PRACTICES, LIMITED HOURS OF OP	0.15	G/HP-H	BACT-PSD
MD-0062	WILDCAT POINT GENERATION FACILITY	CECIL	MD	CPCN CASE NO. 9327	04/04/14	03/16/16	EMERGENCY GENERATOR 1	2298	KW	EXCLUSIVE USE OF ULSD FUEL, GOOD COMBUSTION PRACTICES, LIMITED HOURS OF OP	0.15	G/HP-H	BACT-PSD
MD-0062	WILDCAT POINT GENERATION FACILITY	CECIL	MD	CPCN CASE NO. 9327	04/04/14	03/16/16	EMERGENCY DIESEL ENGINE FOR FIRE WATER PUMP	477	HP	EXCLUSIVE USE OF ULSD FUEL, GOOD COMBUSTION PRACTICES, LIMITED HOURS OF OP	0.15	G/HP-H	BACT-PSD
MD-0062	WILDCAT POINT GENERATION FACILITY	CECIL	MD	CPCN CASE NO. 9327	04/04/14	03/16/16	EMERGENCY DIESEL ENGINE FOR FIRE WATER PUMP	477	HP	EXCLUSIVE USE OF ULSD FUEL, GOOD COMBUSTION PRACTICES, LIMITED HOURS OF OP	0.15	G/HP-H	BACT-PSD
MD-0062	WILDCAT POINT GENERATION FACILITY	CECIL	MD	CPCN CASE NO. 9327	04/04/14	03/16/16	EMERGENCY DIESEL ENGINE FOR FIRE WATER PUMP	477	HP	EXCLUSIVE USE OF ULSD FUEL, GOOD COMBUSTION PRACTICES, LIMITED HOURS OF OP	0.15	G/HP-H	BACT-PSD
MD-0062	WILDCAT POINT GENERATION FACILITY	CECIL	MD	CPCN CASE NO. 9327	04/04/14	03/16/16	DEW POINT HEATER	5	MMBTU/H	EXCLUSIVE USE OF PIPELINE QUALITY NATURAL GAS AND GOOD COMBUSTION PRACTIC	0.0076	LB/MMBTU	BACT-PSD
MD-0062	WILDCAT POINT GENERATION FACILITY	CECIL	MD	CPCN CASE NO. 9327	04/04/14	03/16/16	DEW POINT HEATER	5	MMBTU/H	EXCLUSIVE USE OF PIPELINE QUALITY NATURAL GAS AND GOOD COMBUSTION PRACTIC	0.0076	LB/MMBTU	BACT-PSD
MD-0062	WILDCAT POINT GENERATION FACILITY	CECIL	MD	CPCN CASE NO. 9327	04/04/14	03/16/16	DEW POINT HEATER	5	MMBTU/H	EXCLUSIVE USE OF PIPELINE QUALITY NATURAL GAS AND GOOD COMBUSTION PRACTIC	0.0076	LB/MMBTU	BACT-PSD
MD-0063	MATTAWOMAN ENERGY CENTER	PRINCE GEORGES	MD	PSC CASE NO. 9330	11/13/13	09/13/16	2 COMBINED-CYCLE COMBUSTION TURBINES	786	MW	USE OF PIPELINE-QUALITY NATURAL GAS EXCLUSIVELY AND GOOD COMBUSTION PRAC	8.8	LB/H	BACT-PSD
MD-0063	MATTAWOMAN ENERGY CENTER	PRINCE GEORGES	MD	PSC CASE NO. 9330	11/13/13	09/13/16	2 COMBINED-CYCLE COMBUSTION TURBINES	786	MW	USE OF PIPELINE-QUALITY NATURAL GAS EXCLUSIVELY AND GOOD COMBUSTION PRAC	17.8	LB/H	BACT-PSD
MD-0063	MATTAWOMAN ENERGY CENTER	PRINCE GEORGES	MD	PSC CASE NO. 9330	11/13/13	09/13/16	2 COMBINED-CYCLE COMBUSTION TURBINES	786	MW	USE OF PIPELINE-QUALITY NATURAL GAS EXCLUSIVELY AND GOOD COMBUSTION PRAC	17.8	LB/H	BACT-PSD
MD-0063	MATTAWOMAN ENERGY CENTER	PRINCE GEORGES	MD	PSC CASE NO. 9330	11/13/13	09/13/16	AUXILIARY BOILER	45	MMBTU/H	USE OF PIPELINE QUALITY NATURAL GAS AND GOOD COMBUSTION PRACTICES	0.0075	LB/MMBTU	BACT-PSD
MD-0063	MATTAWOMAN ENERGY CENTER	PRINCE GEORGES	MD	PSC CASE NO. 9330	11/13/13	09/13/16	AUXILIARY BOILER	45	MMBTU/H	USE OF PIPELINE QUALITY NATURAL GAS AND GOOD COMBUSTION PRACTICES	0.0075	LB/MMBTU	BACT-PSD
MD-0063	MATTAWOMAN ENERGY CENTER	PRINCE GEORGES	MD	PSC CASE NO. 9330	11/13/13	09/13/16	AUXILIARY BOILER	45	MMBTU/H	USE OF PIPELINE QUALITY NATURAL GAS AND GOOD COMBUSTION PRACTICES	0.0075	LB/MMBTU	BACT-PSD
MD-0063	MATTAWOMAN ENERGY CENTER	PRINCE GEORGES	MD	PSC CASE NO. 9330	11/13/13	09/13/16	EMERGENCY GENERATOR	2490	HP	EXCLUSIVE USE OF ULTRA LOW SULFUR FUEL AND GOOD COMBUSTION PRACTICES	0.15	G/HP-H	BACT-PSD
MD-0063	MATTAWOMAN ENERGY CENTER	PRINCE GEORGES	MD	PSC CASE NO. 9330	11/13/13	09/13/16	EMERGENCY GENERATOR	2490	HP	EXCLUSIVE USE OF ULTRA LOW SULFUR FUEL AND GOOD COMBUSTION PRACTICES	0.15	G/HP-H	BACT-PSD
MD-0063	MATTAWOMAN ENERGY CENTER	PRINCE GEORGES	MD	PSC CASE NO. 9330	11/13/13	09/13/16	EMERGENCY GENERATOR	2490	HP	EXCLUSIVE USE OF ULTRA LOW SULFUR FUEL AND GOOD COMBUSTION PRACTICES	0.15	G/HP-H	BACT-PSD
MD-0063	MATTAWOMAN ENERGY CENTER	PRINCE GEORGES	MD	PSC CASE NO. 9330	11/13/13	09/13/16	EMERGENCY DIESEL ENGINE FOR FIRE WATER PUMP	305	HP	EXCLUSIVE USE OF ULTRA LOW SULFUR FUEL AND GOOD COMBUSTION PRACTICES	0.15	G/HP-H	BACT-PSD
MD-0063	MATTAWOMAN ENERGY CENTER	PRINCE GEORGES	MD	PSC CASE NO. 9330	11/13/13	09/13/16	EMERGENCY DIESEL ENGINE FOR FIRE WATER PUMP	305	HP	EXCLUSIVE USE OF ULTRA LOW SULFUR FUEL AND GOOD COMBUSTION PRACTICES	0.15	G/HP-H	BACT-PSD
MD-0063	MATTAWOMAN ENERGY CENTER	PRINCE GEORGES	MD	PSC CASE NO. 9330	11/13/13	09/13/16	EMERGENCY DIESEL ENGINE FOR FIRE WATER PUMP	305	HP	EXCLUSIVE USE OF ULTRA LOW SULFUR FUEL AND GOOD COMBUSTION PRACTICES	0.15	G/HP-H	BACT-PSD
MD-0063	MATTAWOMAN ENERGY CENTER	PRINCE GEORGES	MD	PSC CASE NO. 9330	11/13/13	09/13/16	FUEL GAS HEATER	13.8	MMBTU/H	USE OF PIPELINE QUALITY NATURAL GAS AND GOOD COMBUSTION PRACTICES	0.0019	LB/MMBTU	BACT-PSD
MD-0063	MATTAWOMAN ENERGY CENTER	PRINCE GEORGES	MD	PSC CASE NO. 9330	11/13/13	09/13/16	FUEL GAS HEATER	13.8	MMBTU/H	USE OF PIPELINE QUALITY NATURAL GAS AND GOOD COMBUSTION PRACTICES	0.0075	LB/MMBTU	BACT-PSD
MD-0063	MATTAWOMAN ENERGY CENTER	PRINCE GEORGES	MD	PSC CASE NO. 9330	11/13/13	09/13/16	FUEL GAS HEATER	13.8	MMBTU/H	USE OF PIPELINE QUALITY NATURAL GAS AND GOOD COMBUSTION PRACTICES	0.0075	LB/MMBTU	BACT-PSD
MD-0064	KIVIS ENERGY CENTER	PRINCE GEORGES	MD	PSC CASE NO. 9297	10/31/14	05/13/16	2 COMBINED-CYCLE COMBUSTION TURBINES	155	MW	USE OF PIPELINE-QUALITY NATURAL GAS EXCLUSIVELY AND GOOD COMBUSTION PRAC	8.8	LB/H	BACT-PSD
MD-0064	KIVIS ENERGY CENTER	PRINCE GEORGES	MD	PSC CASE NO. 9297	10/31/14	05/13/16	2 COMBINED-CYCLE COMBUSTION TURBINES	155	MW	USE OF PIPELINE-QUALITY NATURAL GAS EXCLUSIVELY AND GOOD COMBUSTION PRAC	11	LB/H	BACT-PSD
MD-0064	KIVIS ENERGY CENTER	PRINCE GEORGES	MD	PSC CASE NO. 9297	10/31/14	05/13/16	AUXILIARY BOILER	93	MMBTU/H	EFFICIENT BOILER DESIGN, EXCLUSIVE USE OF PIPELINE QUALITY NATURAL GAS, AND GA	0.0073	LB/MMBTU	BACT-PSD
MD-0064	KIVIS ENERGY CENTER	PRINCE GEORGES	MD	PSC CASE NO. 9297	10/31/14	05/13/16	AUXILIARY BOILER	93	MMBTU/H	EFFICIENT BOILER DESIGN, EXCLUSIVE USE OF PIPELINE QUALITY NATURAL GAS, AND GA	0.0073	LB/MMBTU	BACT-PSD
MD-0065	KIVIS ENERGY CENTER	PRINCE GEORGES	MD	PSC CASE NO. 9297	10/31/14	05/13/16	DILSELFIRED AUXILIARY EMERGENCY ENGINES (TWO)	1500	KW	USE OF ULTRA LOW SULFUR DIESEL AND GOOD COMBUSTION PRACTICES	8.2	G/KW-H	BACT-PSD
MD-0065	KIVIS ENERGY CENTER	PRINCE GEORGES	MD	PSC CASE NO. 9297	10/31/14	05/13/16	DILSELFIRED AUXILIARY EMERGENCY ENGINES (TWO)	1500	KW	USE OF ULTRA LOW SULFUR DIESEL AND GOOD COMBUSTION PRACTICES	8.16	G/HP-H	BACT-PSD
MD-0065	KIVIS ENERGY CENTER	PRINCE GEORGES	MD	PSC CASE NO. 9297	10/31/14	05/13/16	DILSELFIRED FIRE PUMP ENGINE	300	HP	EXCLUSIVE USE OF ULTRA LOW SULFUR DIESEL FUEL AND GOOD COMBUSTION PRACTIC	8.2	G/KW-H	BACT-PSD
MD-0065	KIVIS ENERGY CENTER	PRINCE GEORGES	MD	PSC CASE NO. 9297	10/31/14	05/13/16	DILSELFIRED FIRE PUMP ENGINE	300	HP	EXCLUSIVE USE OF ULTRA LOW SULFUR DIESEL FUEL AND GOOD COMBUSTION PRACTIC	8.16	G/HP-H	BACT-PSD
MD-0065	KIVIS ENERGY CENTER	PRINCE GEORGES	MD	PSC CASE NO. 9297	10/31/14	05/13/16	NON-SITE PAVED AND UNPAVED ROADS	0		MINIMIZE FUGITIVES BY TAKING REASONABLE PRECAUTIONS TO PREVENT PARTICULATE	0		BACT-PSD
MD-0065	KIVIS ENERGY CENTER	PRINCE GEORGES	MD	PSC CASE NO. 9297	10/31/14	05/13/16	ON-SITE PAVED AND UNPAVED ROADS	0		MINIMIZE FUGITIVES BY TAKING REASONABLE PRECAUTIONS TO PREVENT PARTICULATE	0		BACT-PSD
MI-0682	SUMMIT POWER PLANT	WAYNE	MI	81-11	11/17/11	05/04/16	Combined cycle combustion turbine w/ HRSG	138	V electric or gas/oil		0.0044	LB/MMBTU	OTHER CASE BY CASE
MI-0682	SUMMIT POWER PLANT	WAYNE	MI	81-11	11/17/11	05/04/16	Combined cycle combustion turbine w/ HRSG	138	V electric or gas/oil		0.0044	LB/MMBTU	BACT-PSD
MI-0683	SUMMIT POWER PLANT	WAYNE	MI	81-11	11/17/11	05/04/16	Combined cycle combustion turbine w/ HRSG	138	V electric or gas/oil		0.0044	LB/MMBTU	BACT-PSD
MI-0683	SUMMIT POWER PLANT	WAYNE	MI	81-11	11/17/11	05/04/16	Diesel fuel fired combustion engine (NICE)	733	HP	Good combustion practices	0.05	G/KW-H	BACT-PSD
MI-0683	SUMMIT POWER PLANT	WAYNE	MI	81-11	11/17/11	05/04/16	Diesel fuel fired combustion engine (NICE)	733	HP	Good combustion practices	0.0173	LB/MMBTU	BACT-PSD
MI-0683	SUMMIT POWER PLANT	WAYNE	MI	81-11	11/17/11	05/04/16	Diesel fuel fired combustion engine (NICE)	733	HP	Good combustion practices	0.0173	LB/MMBTU	BACT-PSD
MI-0809	MIDLAND COGENERATION VENTURE	MIDLAND	MI	125-12	04/23/13	05/04/16	Natural gas fueled combined cycle combustion turbine gen	2727	MMBTU/H	Good combustion practices	0.004	LB/MMBTU	BACT-PSD

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Table C-4. RBLC Database: PM Emissions Query Results - Combined Cycle CT w/HRSG

EID/CID	FACILITY NAME	COUNTY	STATE	PERMIT NUMBER	PERMIT ISSUANCE DATE	DATE DETERMINATION LAST UPDATED	PROCESS	THROUGHPUT	CONTROL METHOD	EMISSIONS LIMIT		BASIS
*MI-0475	MIDLAND COGENERATION VENTURE	MIDLAND	MI	185-12	04/23/13	07/04/16	Natural gas fueled combined cycle combustion turbine ga	2237	MMBTU/H	Good combustion practices	0.006	LB/MMBTU	BACT-PSD
*MI-0475	MIDLAND COGENERATION VENTURE	MIDLAND	MI	185-12	04/23/13	07/04/16	Natural gas fueled combined cycle combustion turbine ga	2237	MMBTU/H	Good combustion practices	0.006	LB/MMBTU	BACT-PSD
*MI-0475	MIDLAND COGENERATION VENTURE	MIDLAND	MI	185-12	04/23/13	07/04/16	Natural gas fueled combined cycle combustion turbine ga	2484	MMBTU/H	Good combustion practices	0.006	LB/MMBTU	BACT-PSD
*MI-0475	MIDLAND COGENERATION VENTURE	MIDLAND	MI	185-12	04/23/13	07/04/16	Natural gas fueled combined cycle combustion turbine ga	2448	MMBTU/H	Good combustion practices	0.006	LB/MMBTU	BACT-PSD
*MI-0475	MIDLAND COGENERATION VENTURE	MIDLAND	MI	185-12	04/23/13	07/04/16	Natural gas fueled combined cycle combustion turbine ga	2336	MMBTU/H	Good combustion practices	0.006	LB/MMBTU	BACT-PSD
*MI-0410	THETFORD GENERATING STATION	GENESEE	MI	193-12	07/23/13	07/04/16	HEAT BOILER 6: Two auxiliary boilers 6x; 100 MMBTU/H	100	TU/H heat input	Efficient combustion natural gas fuel.	0.0016	LB/MMBTU	BACT-PSD
*MI-0410	THETFORD GENERATING STATION	GENESEE	MI	193-12	07/23/13	07/04/16	HEAT BOILER 6: Two auxiliary boilers 6x; 100 MMBTU/H	100	TU/H heat input	Efficient combustion natural gas fuel	0.007	LB/MMBTU	BACT-PSD
*MI-0410	THETFORD GENERATING STATION	GENESEE	MI	193-12	07/23/13	07/04/16	HEAT BOILER 6: Two auxiliary boilers 6x; 100 MMBTU/H	100	TU/H heat input	Efficient combustion natural gas fuel	0.003	LB/MMBTU	BACT-PSD
*MI-0410	THETFORD GENERATING STATION	GENESEE	MI	193-12	07/23/13	07/04/16	HB-PEAKING: 2 natural gas fired simple cycle combustion	171	MMBTU/H	Efficient combustion natural gas fuel.	0.01	LB/MMBTU	BACT-PSD
*MI-0410	THETFORD GENERATING STATION	GENESEE	MI	193-12	07/23/13	07/04/16	HB-PEAKING: 2 natural gas fired simple cycle combustion	171	MMBTU/H	Efficient combustion natural gas fuel.	0.02	LB/MMBTU	BACT-PSD
*MI-0410	THETFORD GENERATING STATION	GENESEE	MI	193-12	07/23/13	07/04/16	HB-PEAKING: 2 natural gas fired simple cycle combustion	171	MMBTU/H	Efficient combustion natural gas fuel.	0.02	LB/MMBTU	BACT-PSD
*MI-0410	THETFORD GENERATING STATION	GENESEE	MI	193-12	07/23/13	07/04/16	HB-FUELHTR1: 2 natural gas fuel heaters, 12 MMBTU/H e	12	heat input eac	Efficient combustion natural gas fuel	0.007	LB/MMBTU	BACT-PSD
*MI-0410	THETFORD GENERATING STATION	GENESEE	MI	193-12	07/23/13	07/04/16	HB-FUELHTR1: 2 natural gas fuel heaters, 12 MMBTU/H e	12	heat input eac	Efficient combustion natural gas fuel	0.007	LB/MMBTU	BACT-PSD
*MI-0410	THETFORD GENERATING STATION	GENESEE	MI	193-12	07/23/13	07/04/16	HB-FUELHTR1: 2 natural gas fuel heaters, 12 MMBTU/H e	12	heat input eac	Efficient combustion natural gas fuel	0.0016	LB/MMBTU	BACT-PSD
*MI-0410	THETFORD GENERATING STATION	GENESEE	MI	193-12	07/23/13	07/04/16	HBCCA or HBCCB-6 nat. gas fired CTG w/ DB for HRSG	2347	JH heat input	Combustion air filters; efficient combustion control; low sulfur natural gas fuel.	0.0064	LB/MMBTU	BACT-PSD
*MI-0410	THETFORD GENERATING STATION	GENESEE	MI	193-12	07/23/13	07/04/16	HBCCA or HBCCB-6 nat. gas fired CTG w/ DB for HRSG	2347	JH heat input	Combustion air filters; efficient combustion control; low sulfur natural gas fuel	0.0066	LB/MMBTU	BACT-PSD
*MI-0410	THETFORD GENERATING STATION	GENESEE	MI	193-12	07/23/13	07/04/16	HBCCA or HBCCB-6 nat. gas fired CTG w/ DB for HRSG	2347	JH heat input	Combustion air filters; efficient combustion control; low sulfur natural gas fuel	0.0066	LB/MMBTU	BACT-PSD
*MI-0410	THETFORD GENERATING STATION	GENESEE	MI	193-12	07/23/13	07/04/16	HB-EMERGENCY: Diesel fuel fired emergency backup fire pu	315	hp horsepower	Proper combustion design and with low sulfur diesel fuel	0.15	G/HP-HR	BACT-PSD
*MI-0410	THETFORD GENERATING STATION	GENESEE	MI	193-12	07/23/13	07/04/16	HB-EMERGENCY: Diesel fuel fired emergency backup fire pu	315	hp horsepower	Proper combustion design and with low sulfur diesel fuel	0.6	LB/H	BACT-PSD
*MI-0410	THETFORD GENERATING STATION	GENESEE	MI	193-12	07/23/13	07/04/16	HB-EMERGENCY: Diesel fuel fired emergency backup fire pu	315	hp horsepower	Proper combustion design and with low sulfur diesel fuel.	0.6	LB/H	BACT-PSD
*MI-0412	LAND BOARD OF PUBLIC WORKS - EAST 8TH ST	OTTAWA	MI	192-13	12/04/13	03/25/16	Fuel gas heater (EUFUELHTR)	3.7	MMBTU/H	Good combustion practices.	0.007	LB/MMBTU	BACT-PSD
*MI-0412	LAND BOARD OF PUBLIC WORKS - EAST 8TH ST	OTTAWA	MI	192-13	12/04/13	03/25/16	Fuel gas heater (EUFUELHTR)	3.7	MMBTU/H	Good combustion practices	0.0073	LB/MMBTU	BACT-PSD
*MI-0412	LAND BOARD OF PUBLIC WORKS - EAST 8TH ST	OTTAWA	MI	192-13	12/04/13	03/25/16	Fuel gas heater (EUFUELHTR)	3.7	MMBTU/H	Good combustion practices.	0.0075	LB/MMBTU	BACT-PSD
*MI-0412	LAND BOARD OF PUBLIC WORKS - EAST 8TH ST	OTTAWA	MI	192-13	12/04/13	03/25/16	HB-CTG1HRSG: 2 Combined cycle CTGs with HRSGs with d	647	lb/h for each C	Good combustion practices and the use of pipeline quality natural gas.	0.007	LB/MMBTU	BACT-PSD
*MI-0412	LAND BOARD OF PUBLIC WORKS - EAST 8TH ST	OTTAWA	MI	192-13	12/04/13	03/25/16	HB-CTG1HRSG: 2 Combined cycle CTGs with HRSGs with d	647	lb/h for each C	Good combustion practices and the use of pipeline quality natural gas.	0.014	LB/MMBTU	BACT-PSD
*MI-0412	LAND BOARD OF PUBLIC WORKS - EAST 8TH ST	OTTAWA	MI	192-13	12/04/13	03/25/16	HB-CTG1HRSG: 2 Combined cycle CTGs with HRSGs with d	647	lb/h for each C	Good combustion practices and the use of pipeline quality natural gas.	0.014	LB/MMBTU	BACT-PSD
*MI-0412	LAND BOARD OF PUBLIC WORKS - EAST 8TH ST	OTTAWA	MI	192-13	12/04/13	03/25/16	Auxiliary Boiler B (EUAUXBOILER)	95	MMBTU/H	Good combustion practices	0.0013	LB/MMBTU	BACT-PSD
*MI-0412	LAND BOARD OF PUBLIC WORKS - EAST 8TH ST	OTTAWA	MI	192-13	12/04/13	03/25/16	Auxiliary Boiler B (EUAUXBOILER)	95	MMBTU/H	Good combustion practices	0.007	LB/MMBTU	BACT-PSD
*MI-0412	LAND BOARD OF PUBLIC WORKS - EAST 8TH ST	OTTAWA	MI	192-13	12/04/13	03/25/16	Auxiliary Boiler B (EUAUXBOILER)	95	MMBTU/H	Good combustion practices	0.007	LB/MMBTU	BACT-PSD
*MI-0412	LAND BOARD OF PUBLIC WORKS - EAST 8TH ST	OTTAWA	MI	192-13	12/04/13	03/25/16	Emergency Engine--natural gas (EUNGENGINE)	3000	HW	Good combustion practices	0.0003	LB/MMBTU	BACT-PSD
*MI-0412	LAND BOARD OF PUBLIC WORKS - EAST 8TH ST	OTTAWA	MI	192-13	12/04/13	03/25/16	Emergency Engine--natural gas (EUNGENGINE)	3000	HW	Good combustion practices	0.01	LB/MMBTU	BACT-PSD
*MI-0412	LAND BOARD OF PUBLIC WORKS - EAST 8TH ST	OTTAWA	MI	192-13	12/04/13	03/25/16	Emergency Engine--natural gas (EUNGENGINE)	3000	HW	Good combustion practices	0.01	LB/MMBTU	BACT-PSD
*MI-0412	LAND BOARD OF PUBLIC WORKS - EAST 8TH ST	OTTAWA	MI	192-13	12/04/13	03/25/16	Emergency Engine--Diesel Fire Pump (EUFIREPUMP)	163	HP	Good combustion practices	0.12	G/HP-HR	BACT-PSD
*MI-0412	LAND BOARD OF PUBLIC WORKS - EAST 8TH ST	OTTAWA	MI	192-13	12/04/13	03/25/16	Emergency Engine--Diesel Fire Pump (EUFIREPUMP)	163	HP	Good combustion practices	0.29	LB/MMBTU	BACT-PSD
*MI-0412	LAND BOARD OF PUBLIC WORKS - EAST 8TH ST	OTTAWA	MI	192-13	12/04/13	03/25/16	Emergency Engine--Diesel Fire Pump (EUFIREPUMP)	163	HP	Good combustion practices	0.29	LB/MMBTU	BACT-PSD
*MI-0412	LAND BOARD OF PUBLIC WORKS - EAST 8TH ST	OTTAWA	MI	192-13	12/04/13	03/25/16	Cooling Tower -- West Mississippi Draft (EUCOOLTWR)	0		Mist/drift eliminators.	0.02	T/YR	BACT-PSD
*MI-0412	LAND BOARD OF PUBLIC WORKS - EAST 8TH ST	OTTAWA	MI	192-13	12/04/13	03/25/16	Cooling Tower -- West Mississippi Draft (EUCOOLTWR)	0		Mist/drift eliminators	0.02	T/YR	BACT-PSD
*MI-0412	LAND BOARD OF PUBLIC WORKS - EAST 8TH ST	OTTAWA	MI	192-13	12/04/13	03/25/16	Auxiliary Boiler A (EUAUXBOILER)	55	MMBTU/H	Good combustion practices	0.0013	LB/MMBTU	BACT-PSD
*MI-0412	LAND BOARD OF PUBLIC WORKS - EAST 8TH ST	OTTAWA	MI	192-13	12/04/13	03/25/16	Auxiliary Boiler A (EUAUXBOILER)	55	MMBTU/H	Good combustion practices	0.007	LB/MMBTU	BACT-PSD
*MI-0412	LAND BOARD OF PUBLIC WORKS - EAST 8TH ST	OTTAWA	MI	192-13	12/04/13	03/25/16	Auxiliary Boiler A (EUAUXBOILER)	55	MMBTU/H	Good combustion practices	0.007	LB/MMBTU	BACT-PSD
*MI-0071	FAIRMAULT ENERGY PARK	RICE	MN	11100071-001	06/05/07	07/29/04	COMBINED CYCLE COMBUSTION TURBINE WITHOUT BURN	1736	MMBTU/H		0.01	LB/MMBTU	BACT-PSD
*MI-0071	FAIRMAULT ENERGY PARK	RICE	MN	11100071-001	06/05/07	07/29/04	EMERGENCY GENERATOR	1750	KW		0.0008	LB/MMBTU	BACT-PSD
*MI-0071	FAIRMAULT ENERGY PARK	RICE	MN	11100071-001	06/05/07	07/29/04	EMERGENCY GENERATOR	1750	KW		0.0007	LB/MMBTU	BACT-PSD
*NJ0194	WEST DEPTFORD ENERGY	GLOUCESTER	NJ	34074-BOP#40001	05/06/04	01/07/13	TURBINE, COMBINED CYCLE	17296	MMBTU/HR	CLEAN FUELS - NATURAL GAS AND ULTRA LOW SULFUR (15 PPM SULFUR) DISTILLATE OI	16.66	LB/H	Other Case-by-Case
*NJ0194	WEST DEPTFORD ENERGY	GLOUCESTER	NJ	34074-BOP#40001	05/06/04	01/07/13	TURBINE, COMBINED CYCLE	17296	MMBTU/HR	USE OF CLEAN FUELS, NATURAL GAS AND ULTRA LOW SULFUR DISTILLATE OIL	36.44	LB/H	Other Case-by-Case
*NJ0961	MIDDLESEX COGENERATING STATION	MIDDLESEX COUNTY	NJ	19084 -BOP (BOP2)	03/07/14	05/07/14	Combined Cycle Combustion Turbine (Siemens turbine w/	33491	MMCF/YR	Use of Natural Gas as a clean burning fuel	10.5	LB/H	BACT-PSD
*NJ0961	MIDDLESEX COGENERATING STATION	MIDDLESEX COUNTY	NJ	19084 -BOP (BOP2)	03/07/14	05/07/14	Combined Cycle Combustion Turbine (Siemens turbine w/	33491	MMCF/YR	USE OF NATURAL GAS A CLEAN BURNING FUEL	13	LB/H	BACT-PSD
*NJ0961	MIDDLESEX COGENERATING STATION	MIDDLESEX COUNTY	NJ	19084 -BOP (BOP2)	03/07/14	05/07/14	Combined Cycle Combustion Turbine (Siemens turbine w/	33491	MMCF/YR	USE OF NATURAL GAS A CLEAN BURNING FUEL	13	LB/H	OTHER CASE-BY-CASE
*NJ0961	MIDDLESEX COGENERATING STATION	MIDDLESEX COUNTY	NJ	19084 -BOP (BOP2)	03/07/14	05/07/14	COMBINED CYCLE COMBUSTION TURBINE WITH DUCT BU	33491	MMCF/YR	Use of natural gas a clean burning fuel	30.5	LB/H	BACT-PSD
*NJ0961	MIDDLESEX COGENERATING STATION	MIDDLESEX COUNTY	NJ	19084 -BOP (BOP2)	03/07/14	05/07/14	COMBINED CYCLE COMBUSTION TURBINE WITH DUCT BU	33491	MMCF/YR	Use of natural gas a clean burning fuel	34	LB/H	BACT-PSD
*NJ0961	MIDDLESEX COGENERATING STATION	MIDDLESEX COUNTY	NJ	19084 -BOP (BOP2)	03/07/14	05/07/14	COMBINED CYCLE COMBUSTION TURBINE WITH DUCT BU	33491	MMCF/YR	Use of natural gas a clean burning fuel	34	LB/H	OTHER CASE-BY-CASE
*NJ0961	MIDDLESEX COGENERATING STATION	MIDDLESEX COUNTY	NJ	19084 -BOP (BOP2)	03/07/14	05/07/14	3 Cell Wet Mechanical Cooling Tower	13000	GAL/M		0.15	LB/H	BACT-PSD
*NJ0961	MIDDLESEX COGENERATING STATION	MIDDLESEX COUNTY	NJ	19084 -BOP (BOP2)	03/07/14	05/07/14	3 Cell Wet Mechanical Cooling Tower	13000	GAL/M		0.16	LB/H	BACT-PSD
*NJ0961	MIDDLESEX COGENERATING STATION	MIDDLESEX COUNTY	NJ	19084 -BOP (BOP2)	03/07/14	05/07/14	3 Cell Wet Mechanical Cooling Tower	13000	GAL/M		0.16	LB/H	OTHER CASE-BY-CASE
*NJ0961	MIDDLESEX COGENERATING STATION	MIDDLESEX COUNTY	NJ	19084 -BOP (BOP2)	03/07/14	05/07/14	COMBINED CYCLE COMBUSTION TURBINE WITH DUCT BU	33491	MMCF/YR	Use of Natural gas only as a clean burning fuel	14.6	LB/H	OTHER CASE-BY-CASE
*NJ0961	MIDDLESEX COGENERATING STATION	MIDDLESEX COUNTY	NJ	19084 -BOP (BOP2)	03/07/14	05/07/14	COMBINED CYCLE COMBUSTION TURBINE WITH DUCT BU	33491	MMCF/YR	Use of natural gas only as a clean burning fuel	14.6	LB/H	BACT-PSD
*NJ0961	MIDDLESEX COGENERATING STATION	MIDDLESEX COUNTY	NJ	19084 -BOP (BOP2)	03/07/14	05/07/14	COMBINED CYCLE COMBUSTION TURBINE WITH DUCT BU	33491	MMCF/YR	Use of Natural Gas a clean burning fuel	0.8	LB/H	BACT-PSD
*NJ0961	MIDDLESEX COGENERATING STATION	MIDDLESEX COUNTY	NJ	19084 -BOP (BOP2)	03/07/14	05/07/14	COMBINED CYCLE COMBUSTION TURBINE WITH DUCT BU	33491	MMCF/YR	Use of Natural Gas a clean burning fuel	0.8	LB/H	BACT-PSD
*NJ0961	MIDDLESEX COGENERATING STATION	MIDDLESEX COUNTY	NJ	19084 -BOP (BOP2)	03/07/14	05/07/14	Emergency diesel fire pump	0		Use of Ultra low sulfur diesel oil	0.15	G/G-HPHR	BACT-PSD
*NJ0961	MIDDLESEX COGENERATING STATION	MIDDLESEX COUNTY	NJ	19084 -BOP (BOP2)	03/07/14	05/07/14	Emergency diesel fire pump	0		Use of ultra low sulfur diesel fuel oil	0.15	G/G-HPHR	OTHER CASE-BY-CASE
*NJ0961	MIDDLESEX COGENERATING STATION	MIDDLESEX COUNTY	NJ	19084 -BOP (BOP2)	03/07/14	05/07/14	Emergency diesel fire pump	0		Use of ultra low sulfur diesel fuel oil	0.15	G/G-HPHR	OTHER CASE-BY-CASE
*NJ0961	MIDDLESEX COGENERATING STATION	MIDDLESEX COUNTY	NJ	19084 -BOP (BOP2)	03/07/14	05/07/14	COMBINED CYCLE COMBUSTION TURBINE WITHOUT DUC	33491	MMCF/YR	Use of natural Gas as a clean burning fuel	8.7	LB/H	BACT-PSD
*NJ0961	MIDDLESEX COGENERATING STATION	MIDDLESEX COUNTY	NJ	19084 -BOP (BOP2)	03/07/14	05/07/14	COMBINED CYCLE COMBUSTION TURBINE WITHOUT DUC	33491	MMCF/YR	Use of NaturalGas as a clean burning fuel	12.7	LB/H	BACT-PSD
*NJ0961	MIDDLESEX COGENERATING STATION	MIDDLESEX COUNTY	NJ	19084 -BOP (BOP2)	03/07/14	05/07/14	COMBINED CYCLE COMBUSTION TURBINE WITHOUT DUC	33491	MMCF/YR	Use of natural gas as a clean burning fuel	12.7	LB/H	OTHER CASE-BY-CASE
*NJ0082	WEST DEPTFORD ENERGY STATION	GLOUCESTER	NJ	34075/BOP120001	07/18/14	03/18/16	Combined Cycle Combustion Turbine without Duct Burner	20232	MMCF/YR	Use of natural gas a clean burning fuel	6	LB/H	BACT-PSD
*NJ0082	WEST DEPTFORD ENERGY STATION	GLOUCESTER	NJ	34076/BOP120001	07/18/14	03/02/16	Combined Cycle Combustion Turbine without Duct Burner	20232	MMCF/YR	Use of natural gas a clean burning fuel	10	LB/H	BACT-PSD
*NJ0082	WEST DEPTFORD ENERGY STATION	GLOUCESTER	NJ	34076/BOP120001	07/18/14	03/02/16	Combined Cycle Combustion Turbine without Duct Burner	20232	MMCF/YR	Use of natural gas a clean burning fuel	10	LB/H	BACT-PSD
*NJ0082	WEST DEPTFORD ENERGY STATION	GLOUCESTER	NJ	34076/BOP120001	07/18/14	03/02/16	Combined Cycle Combustion Turbine without Duct Burner	20232	MMCF/YR	Use of natural gas a clean burning fuel	15.1	LB/H	BACT-PSD
*NJ0082	WEST DEPTFORD ENERGY STATION	GLOUCESTER	NJ	34075/BOP120001	07/18/14	03/02/16	Combined Cycle Combustion Turbine with Duct Burner	20232	MMCF/YR	Use of natural gas a clean burning fuel	12.5	LB/H	BACT-PSD
*NJ0082	WEST DEPTFORD ENERGY STATION	GLOUCESTER	NJ	34075/BOP120001	07/18/14	03/02/16	Combined Cycle Combustion Turbine with Duct Burner	20232	MMCF/YR	Use of natural gas a clean burning fuel	12.5	LB/H	BACT-PSD
*NJ0075	CATHMS BELLPORT ENERGY CENTER	SUFFOLK	NY	PSD-NY-0001	05/10/04	03/08/06	AUXILIARY BOILER	28	MMBTU/H	LOW SULFUR FUEL NG ONLY.	0.015	LB/MMBTU	BACT-PSD
*NJ0075	CATHMS BELLPORT ENERGY CENTER	SUFFOLK	NY	PSD-NY-0001	05/10/04	03/08/06	COMBUSTION TURBINE	2223	MMBTU/H	LOW SULFUR FUEL	0.0052	LB/MMBTU	BACT-PSD
*NJ0075	CATHMS BELLPORT ENERGY CENTER	SUFFOLK	NY	PSD-NY-0001	05/10/04	03/08/06	COMBUSTION TURBINE	2223	MMBTU/H	LOW SULFUR FUEL (0.04%)	0.011	LB/MMBTU	BACT-PSD
*NJ0075	CATHMS BELLPORT ENERGY CENTER	SUFFOLK	NY	PSD-NY-0001	05/10/04	03/08/06	AUXILIARY BOILER	28.4	MMBTU/H	LOW SULFUR FUEL	0.0037	LB/MMBTU	BACT-PSD
*OH-0512	OREGON CLEAN ENERGY CENTER	LUCAS	OH	P0110648	04/18/13	09/04/14	Mechanical draft wet cooling tower, 16 cell	122000	GAL/MMC		1.65	LB/H	BACT-PSD
*OH-0512	OREGON CLEAN ENERGY CENTER	LUCAS	OH	P0110648	04/18/13	09/04/14	Mechanical draft wet cooling tower, 16 cell	122000	GAL/MMC		8.8634	LB/H	BACT-PSD
*OH-0512	OREGON CLEAN ENERGY CENTER	LUCAS	OH	P0110648	04/18/13	09/04/14	Emergency fire pump engine	300	HP	Purchased Low Fuel to the standards in NSPS Subpart IIII	0.1	LB/H	BACT-PSD
*OH-0512	OREGON CLEAN ENERGY CENTER	LUCAS	OH	P0110648	04/18/13	09/04/14	2 Combined Cycle Combustion Turbines-Siemens, natural	313600	CF/hrfiring 13	Clean burning fuel, only natural gas	13.3	LB/H	BACT-PSD
*OH-0512	OREGON CLEAN ENERGY CENTER	LUCAS	OH	P0110648	04/18/13	09/04/14	2 Combined Cycle Combustion Turbines-Siemens, natural	313600	CF/hrfiring 13	Clean burning fuel, only natural gas	34	LB/H	BACT-PSD
*OH-0512	OREGON CLEAN ENERGY CENTER	LUCAS	OH	P0110648	04/18/13	09/04/14	2 Combined Cycle Combustion Turbines-Mitsubishi, natur	47917	CF/hrfiring 13	Clean burning fuel, only natural gas	13.5	LB/H	BACT-PSD
*OH-0512	OREGON CLEAN ENERGY CENTER	LUCAS	OH	P0110648	04/18/13	09/04/14	Auxiliary Boiler	90	MMBTU/H	Clean burning fuel, only burning natural gas	0.79	LB/H	BACT-PSD
*OH-0512	OREGON CLEAN ENERGY CENTER	LUCAS	OH	P0110648	04/18/13	09/04/14	Emergency generator	2158	KW	Purchased Low Fuel to the standards in NSPS Subpart IIII	0.99	LB/H	BACT-PSD
*OH-0512	OREGON CLEAN ENERGY CENTER	LUCAS	OH	P0110648	04/18/13	09/04/14	2 Combined Cycle Combustion Turbines-Mitsubishi, natur	47917	CF/hrfiring 13	Clean burning fuel, only natural gas	15.1	LB/H	BACT-PSD

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Table C-4. RBLC Database PM Emissions Query Results - Combined Cycle CTs(N/C)

RBLCID	FACILITY NAME	COUNTY	STATE	PERMIT NUMBER	PERMIT ISSUANCE DATE	DATE DETERMINATION LAST UPDATED	PROCESS	THROUGHPUT		CONTROL METHOD	EMISSIONS LIMIT			BASIS
OH-0196	DAYTON POWER AND LIGHT	LAWRENCE	OH	P0110617	12/18/12	09/04/15	Turbines (4) Siemens 501 FA; Duct Burners Off	172	MW	Burning natural gas in an efficient combustion turbine	15	LB/H		BACT-PSD
OH-0196	DAYTON POWER AND LIGHT	LAWRENCE	OH	P0110617	12/18/12	09/04/15	Turbines (4) Siemens 501 FA; Duct Burners On	172	MW	Burning natural gas in an efficient combustion turbine	19.9	LB/H		BACT-PSD
OH-0115	LAWTON INDUSTRIAL FACILITY	COSHOCTON	OH	2091.095.C.IND.PSD	12/12/06	03/11/97	COMBUSTION TURBINE AND DUCT BURNER			GOOD COMBUSTION PRACTICES	0.006 J	LB/MMBTU		BACT-PSD
OH-0117	PSD SOUTHWEST SPIN POWER PLT	CADIZ	OH	2009.409.C.PSD	07/09/07	03/21/07	BASE FIRED TURBINES			USE OF LOW ASH FUEL (NATURAL GAS) AND EFFICIENT COMBUSTION	0.0091	LB/MMBTU		BACT-PSD
OH-0129	CHOUTEAU POWER PLANT	MAYES	OK	2007.113.CTI-03PSD	01/21/09	02/18/10	COMBINED CYCLE COGENERATION Agg 225MW	1882	MMBTU/H	NATURAL GAS FUEL	0.30	LB/H		N/A
OH-0129	CHOUTEAU POWER PLANT	MAYES	OK	2007.113.CTM-13PSD	01/23/08	02/18/10	COOLING TOWER	9	CELLS	DRIFT ELIMINATORS	0.4	LB/H/CELL		BACT-PSD
OH-0129	CHOUTEAU POWER PLANT	MAYES	OK	2007.113.CTM-13PSD	01/23/08	02/18/10	FUEL GAS HEATER (HOT BATH)	18.8	MMBTU/H		0.1	LB/H		N/A
OH-0129	CHOUTEAU POWER PLANT	MAYES	OK	2007.113.CTM-13PSD	01/23/08	02/18/10	EMERGENCY DIESEL GENERATOR (2260 HP)	2260	HP		0.72	LB/H		BACT-PSD
OH-0129	CHOUTEAU POWER PLANT	MAYES	OK	2007.113.CTM-13PSD	01/23/08	02/18/10	EMERGENCY FIRE PUMP (263 HP DIESEL)	263	HP		0.34	LB/H		BACT-PSD
OH-0154	MOORELAND GENERATING STA	WOODWARD	OK	2006.303.CJM-13PSD	07/03/13	04/13/16	Combustion Turbine	360	MW	LOW ASH FUEL AND COMBUSTION CONTROL	23.1	LB/HR		BACT-PSD
OH-0154	MOORELAND GENERATING STA	WOODWARD	OK	2006.302.CJM-13PSD	07/02/13	04/13/16	COMBUSTION TURBINE	360	MW	LOW ASH FUEL AND COMBUSTION CONTROL	23.2	LB/HR		BACT-PSD
OH-0154	MOORELAND GENERATING STA	WOODWARD	OK	2006.302.CJM-13PSD	07/02/13	04/13/16	DIESEL-FIRED EMERGENCY GENERATOR ENGINE	1341	HP	COMBUSTION CONTROL	0.64	LB/HR		BACT-PSD
OH-0154	MOORELAND GENERATING STA	WOODWARD	OK	2006.302.CJM-13PSD	07/02/13	04/13/16	COOLING TOWER (8 OPTION)	8	NA	MAKEUP WATER CONTROLS AND DRIFT ELIMINATORS	3	TPY		BACT-PSD
OH-0154	MOORELAND GENERATING STA	WOODWARD	OK	2006.302.CJM-13PSD	07/02/13	04/13/16	COOLING TOWER (8 MEMBER OPTION)	0	NA	MAKEUP WATER CONTROLS AND ELIMINATORS	0.4	TPY		BACT-PSD
OH-0148	CARTY PLANT	MORROW	OR	23-0036-ST-02	12/29/10	06/30/11	COMBINED CYCLE NATURAL GAS-FIRED ELECTRIC GENERA	2366	MMBTU/H	CLEAN FUEL	2.3	LB/MWCF		BACT-PSD
OH-0148	CARTY PLANT	MORROW	OR	23-0036-ST-02	12/29/10	06/30/11	NATURAL GAS-FIRED BOILER	91	MMBTU/H	CLEAN FUEL	2.3	LB/MMCF		BACT-PSD
OR-0048	TROUTDALE ENERGY CENTER, LLC	MULTNOMAH	OR	26-0233	03/05/08	05/07/08	Mitsubishi M501-GAC combustion turbines, combined cycle	2963	MMBTU/H	Where only natural gas or ULSD fuel; limit the time in startup or shutdown.	31.8	LB/H TOTAL PM		BACT-PSD
OR-0050	TROUTDALE ENERGY CENTER, LLC	MULTNOMAH	OR	26-0233	03/05/08	05/07/08	GE LM6-100 combustion turbines, simple cycle with water	1688	MMBTU/H	Where only natural gas or ULSD fuel; limit the time in startup or shutdown.	8.1	LB/H TOTAL PM		BACT-PSD
OR-0050	TROUTDALE ENERGY CENTER, LLC	MULTNOMAH	OR	26-0233	03/05/08	05/07/08	Auxiliary boiler	99.8	MMBTU/H	Where only natural gas	8			BACT-PSD
PA-0278	MOXIE LIBERTY LLC/ASYLUM POWER PLT	BRADFORD COUNTY	PA	08-00036A	10/10/12	04/25/13	Emergency Generator	0			0.82	G/B-HR		OTHER CASE-BY-CASE
PA-0278	MOXIE LIBERTY LLC/ASYLUM POWER PLT	BRADFORD COUNTY	PA	08-00036A	10/10/12	04/25/13	Emergency Generator	0			0.82	G/B-HR		OTHER CASE-BY-CASE
PA-0279	MOXIE LIBERTY LLC/ASYLUM POWER PLT	BRADFORD COUNTY	PA	08-00036A	10/10/12	04/25/13	Fire Pump	0			0.89	G/B-HR		OTHER CASE-BY-CASE
PA-0279	MOXIE LIBERTY LLC/ASYLUM POWER PLT	BRADFORD COUNTY	PA	08-00036A	10/10/12	04/25/13	Fire Pump	0			0.89	G/B-HR		OTHER CASE-BY-CASE
PA-0279	MOXIE LIBERTY LLC/ASYLUM POWER PLT	BRADFORD COUNTY	PA	08-00036A	10/10/12	04/25/13	Combined-Cycle Turbines (2), Natural gas fired	3277	MMBTU/H	Using fuel with 10% or less ash and sulfur content.	0.006	LB/MMBTU		BACT-PSD
PA-0246	MOXIE ENERGY LLC/PATRIOT GENERATION PLT	LYCOMING COUNTY	PA	41-00046A	01/11/13	04/25/16	Fire Pump Engine - 660 BHP	0			0.09	G/B-HR		OTHER CASE-BY-CASE
PA-0246	MOXIE ENERGY LLC/PATRIOT GENERATION PLT	LYCOMING COUNTY	PA	41-00046A	01/11/13	04/25/16	Fire Pump Engine - 660 BHP	0			0.09	G/B-HR		OTHER CASE-BY-CASE
PA-0246	MOXIE ENERGY LLC/PATRIOT GENERATION PLT	LYCOMING COUNTY	PA	41-00046A	01/11/13	04/25/16	Combined Cycle Power Blocks 472 MW - (2)	0			0.0057	LB/MMBTU		OTHER CASE-BY-CASE
PA-0246	MOXIE ENERGY LLC/PATRIOT GENERATION PLT	LYCOMING COUNTY	PA	41-00046A	01/11/13	04/25/16	Combined Cycle Power Blocks 472 MW - (2)	0			0.0057	LB/MMBTU		OTHER CASE-BY-CASE
PA-0246	MOXIE ENERGY LLC/PATRIOT GENERATION PLT	LYCOMING COUNTY	PA	41-00046A	01/11/13	04/25/16	Combined Cycle Power Blocks 472 MW - (2)	0			0.0057	LB/MMBTU		OTHER CASE-BY-CASE
PA-0246	MOXIE ENERGY LLC/PATRIOT GENERATION PLT	LYCOMING COUNTY	PA	41-00046A	01/11/13	04/25/16	EMERGENCY GENERATOR ENGINE	0			0.02	G/B-HR-MAX		OTHER CASE-BY-CASE
PA-0246	MOXIE ENERGY LLC/PATRIOT GENERATION PLT	LYCOMING COUNTY	PA	41-00046A	01/11/13	04/25/16	EMERGENCY GENERATOR ENGINE	0			0.02	G/B-HR-MAX		OTHER CASE-BY-CASE
PA-0236	SUNBURY GENERATION LP/SUNBURY GES	SNYDER	PA	55-00001E	04/01/13	04/09/14	AUXILIARY BOILER (NO POWER)	104800	MMBTU		0.006	LB/MMBTU		OTHER CASE-BY-CASE
PA-0236	SUNBURY GENERATION LP/SUNBURY GES	SNYDER	PA	55-00001E	04/01/13	04/09/14	DEW POINT HEATER	13	MMBTU/H		0.006	LB/MMBTU		OTHER CASE-BY-CASE
PA-0236	SUNBURY GENERATION LP/SUNBURY GES	SNYDER	PA	55-00001E	04/01/13	04/09/14	Combined Cycle Combustion Turbine AND DUCT BURNER	2318000	MMBTU/H		0.0018	LB/MMBTU		OTHER CASE-BY-CASE
PA-0291	HICKORY RUN ENERGY STATION	LAWRENCE	PA	33-337A	04/23/14	04/08/15	EMERGENCY FIRE WATER PUMP	8.25	MMBTU/H		0.15	LB/H		OTHER CASE-BY-CASE
PA-0291	HICKORY RUN ENERGY STATION	LAWRENCE	PA	33-337A	04/23/14	04/08/15	AUXILIARY BOILER	40	MMBTU/H		0.005	LB/MMBTU		OTHER CASE-BY-CASE
PA-0291	HICKORY RUN ENERGY STATION	LAWRENCE	PA	33-337A	04/23/14	04/08/15	EMERGENCY GENERATOR	7.8	MMBTU/H		0.02	TPY		OTHER CASE-BY-CASE
PA-0296	BLE HOLLOW ENERGY ASSOC LLC/CONTILIANK	BEAVER	PA	04-05130A	12/17/13	09/04/15	Turbine, Combined Cycle, F1 and F2	3846	MMBTU/H		41.34	TPY		BACT-PSD
PA-0296	BLE HOLLOW ENERGY ASSOC LLC/CONTILIANK	BEAVER	PA	04-05130A	12/17/13	09/04/15	Turbine, Combined Cycle, F1 and F2	3846	MMBTU/H		43.39	TPY		BACT-PSD
PA-0296	BLE HOLLOW ENERGY ASSOC LLC/CONTILIANK	BEAVER	PA	04-05130A	12/17/13	09/04/15	Fuel Preheater	8.3	MMBTU/H		0.007	LB/MMBTU		OTHER CASE-BY-CASE
PA-0296	BLE HOLLOW ENERGY ASSOC LLC/CONTILIANK	BEAVER	PA	04-05130A	12/17/13	09/04/15	Auxiliary Boiler	40	MMBTU/H		0.04	T/H		OTHER CASE-BY-CASE
PA-0296	BLE HOLLOW ENERGY ASSOC LLC/CONTILIANK	BEAVER	PA	04-05130A	12/17/13	09/04/15	Auxiliary Boiler	40	MMBTU/H		0.04	T/H		N/A
PA-0296	BLE HOLLOW ENERGY ASSOC LLC/CONTILIANK	BEAVER	PA	04-05130A	12/17/13	09/04/15	Emergency Generator	60	G/H/H		0.017	T/H		OTHER CASE-BY-CASE
PA-0296	BLE HOLLOW ENERGY ASSOC LLC/CONTILIANK	BEAVER	PA	04-05130A	12/17/13	09/04/15	Emergency Generator	60	G/H/H		0.017	T/H		OTHER CASE-BY-CASE
PA-0296	BLE HOLLOW ENERGY ASSOC LLC/CONTILIANK	BEAVER	PA	04-05130A	12/17/13	09/04/15	Emergency Fire Water Pump	16	G/H/H		0.005	T/H		N/A
PA-0296	BLE HOLLOW ENERGY ASSOC LLC/CONTILIANK	BEAVER	PA	04-05130A	12/17/13	09/04/15	Emergency Fire Water Pump	16	G/H/H		0.005	T/H		N/A
PA-0298	TIGER POWER PA/GOOD SPRING NAGE FACILI	SCHUYLKILL	PA	54-00012A	02/06/14	09/04/14	Turbine, COMBINED CYCLE UNIT (Summer 30MW)	2767	MMBTU/H		30.4	LB/H		BACT-PSD
PA-0298	TIGER POWER PA/GOOD SPRING NAGE FACILI	SCHUYLKILL	PA	54-00012A	02/06/14	09/04/14	Turbine, COMBINED CYCLE UNIT (Summer 30MW)	2767	MMBTU/H		31.4	LB/H		BACT-PSD
TX-0497	INTER MOUNTAIN BIO-DIESEL FACILITY	BRAZORIA	TX	PSD-TX 963 AND 48142	06/29/06	12/02/07	COGENERATION TRAIN 2 AND STURBINE AND DUCT BUR	33	MW	THE USE OF PROPER COMBUSTION CONTROL AND FIRING ONLY GASEOUS FUELS CONTI	14.85	LB/H		BACT-PSD
TX-0522	OGDEN NS POWER GENERATING FAC	HARDIN COUNTY	TX	PSD-TX 1818 AND 49283	04/05/06	04/13/09	WESTINGHOUSE/SIEMENS MODEL SW501F GAS TURBINE	290	MW	STEAM POWER LLC REPRESENTS THE PURCHASE OF PIPELINE NATURAL GAS IN THE COMBU	26.9	LB/H		BACT-PSD
TX-0543	MARSHALL POWER PLANT	HAYS	TX	84434	05/23/08	11/06/07	ELECTRICAL GENERATION	5.42	MW	TCEQ'S CURRENT BACT GUIDELINES PROVIDE NO GUIDANCE FOR PM EMISSIONS FOR	0			BACT-PSD
TX-0590	KING POWER STATION	HARRIS	TX	PSDTX1323	08/05/10	09/24/13	Turbine	1350	MW	low sulfur fuel (natural gas or low sulfur diesel as a backup) and good combustion pra	11.1	LB/H		BACT-PSD
TX-0590	KING POWER STATION	HARRIS	TX	PSDTX1323	08/05/10	09/24/13	Turbine	1350	MW	use of low ash fuel (natural gas or low sulfur diesel as a backup)	11.1	LB/H		BACT-PSD
TX-0590	KING POWER STATION	HARRIS	TX	PSDTX1323	08/05/10	09/24/13	Turbine	1350	MW	use of low ash fuel (natural gas or low sulfur diesel as a backup)	11.1	LB/H		BACT-PSD
TX-0680	THOMAS C. RICHARDSON POWER PLANT	LLANO	TX	PSDTX1336	08/07/11	08/16/11	Natural gas-fired turbines	290	MW	pipeline quality natural gas	31.8	LB/H		BACT-PSD
TX-0945	CHANNELVIEW ENERGY CENTER LLC	HARRIS	TX	PSDTX975M1	10/17/13	01/08/14	Combined Cycle Turbine	160	MW	good combustion and the use of gaseous fuel	27	LB/H		BACT-PSD
TX-0945	CHANNELVIEW ENERGY CENTER LLC	HARRIS	TX	PSDTX975M1	10/17/13	01/08/14	Combined Cycle Turbine	160	MW	good combustion and the use of gaseous fuel	27	LB/H		BACT-PSD
TX-0945	CHANNELVIEW ENERGY CENTER LLC	HARRIS	TX	PSDTX975M1	10/17/13	01/08/14	Combined Cycle Turbine	160	MW	good combustion and the use of gaseous fuel	27	LB/H		BACT-PSD
TX-0949	DEER PARK ENERGY CENTER	HARRIS	TX	PSDTX979M2	09/25/13	09/25/13	Combined Cycle Turbine	160	MW	good combustion and use of natural gas	27	LB/H		BACT-PSD
TX-0949	DEER PARK ENERGY CENTER	HARRIS	TX	PSDTX979M2	09/25/13	09/25/13	Combined Cycle Turbine	160	MW	good combustion and the use of natural gas	27	LB/H		BACT-PSD
TX-0949	DEER PARK ENERGY CENTER	HARRIS	TX	PSDTX979M2	09/25/13	09/25/13	Combined Cycle Turbine	160	MW		27	LB/H		BACT-PSD
TX-0958	SABINE POWER PLANT	CALHOUN	TX	PSDTX1236	09/12/13	09/13/13	Combined cycle gas turbine	196	MW		16	LB/H		BHES-PSD
TX-0958	SABINE POWER PLANT	CALHOUN	TX	PSDTX1236	09/12/13	09/13/13	Combined cycle gas turbine	195	MW	good combustion and natural gas as fuel	15	LB/H		BACT-PSD
TX-0958	SABINE POWER PLANT	CALHOUN	TX	PSDTX1236	09/12/13	09/13/13	Combined cycle gas turbine	195	MW	good combustion and natural gas as fuel	18	LB/H		BACT-PSD
TX-0963	PINTO ENERGY CENTER	WEBB COUNTY	TX	PSDTX1296	12/13/13	12/17/13	combined cycle turbine	700	MW	pipeline quality natural gas and good combustion practices	24.2	LB/H		BACT-PSD
TX-0963	PINTO ENERGY CENTER	WEBB COUNTY	TX	PSDTX1296	12/13/13	12/17/13	Auxiliary Boiler	250	MMBTU/H	pipeline quality natural gas and good combustion practices	3.54	LB/H		BACT-PSD
TX-0968	LA PALOMA ENERGY CENTER	WILLACY	TX	PSDTX1384	05/24/14	09/29/14	Gas Turbine	238.7	MW	Low sulfur fuel, good combustion practices	2	PPMVD		BACT-PSD
TX-0972	COMMUNITY INSTITUTIONAL FACILITY PLANT	GALVESTON	TX	PSDTX1308 105718	09/12/14	09/29/14	Reciprocating compressor turbines	48000	hp		0.72	LB/H		BACT-PSD
TX-0972	COMMUNITY INSTITUTIONAL FACILITY PLANT	GALVESTON	TX	PSDTX1308 105718	09/12/14	09/29/14	Reciprocating compressor turbines	48000	hp		0.72	LB/H		BACT-PSD
TX-0975	INTERPRETING INSTITUTIONAL FACILITY	BRAZORIA	TX	106460 N138 PSDTX1322	07/16/14	02/02/16	Heating Medium Heaters	138	MMBTU/H		0.91	LB/H		BACT-PSD
TX-0975	INTERPRETING INSTITUTIONAL FACILITY	BRAZORIA	TX	106460 N138 PSDTX1322	07/16/14	02/02/16	Combustion Turbine	87	MW		15.32	LB/H		BACT-PSD
TX-0979	LONE STAR NG ELECTRIC GENERATION STATION	CHAMBERS	TX	105436, PSDTX1308	06/27/14	02/09/16	Combined cycle natural gas turbines	223	MW	Good combustion practices, natural gas	0			BACT-PSD
TX-0978	BAYPORT COMPLEX	HARRIS	TX	9366 PSDTX1342	09/05/13	03/09/14	(8) cogenerator turbines	90	MW		0			BACT-PSD
TX-0984	BAYPORT COMPLEX	HARRIS	TX	9366 PSDTX1342	09/05/13	03/09/14	(3) gas-fired boilers	538	MMBTU/H	good combustion practices	0			BACT-PSD
TX-0985	LA PALOMA ENERGY CENTER	CAMERON	TX	101542 PSDTX1288	02/07/13	03/09/16	(3) combined cycle turbines	558	MW		0			BACT-PSD
TX-0985	LA PALOMA ENERGY CENTER	CAMERON	TX	101542 PSDTX1288	02/07/13	03/09/16	boiler	138	MMBTU/H		0			BACT-PSD
TX-0989	SAN MIGUEL ENERGY CENTER	TRAVIS	TX	41304, PSDTX1021M2	03/07/13	03/09/14	Natural gas fired combined cycle turbines	1218	MW		0			BACT-PSD
TX-0998	VICTORIA POWER STATION	VICTORIA	TX	102252 PSDTX1348	12/03/14	05/09/16	combined cycle turbine	297	MW		0			BACT-PSD
TX-0998	VICTORIA POWER STATION	VICTORIA	TX	102252 PSDTX1348	12/03/14	05/09/16	cooling tower	0		zero emissions	0.005	%		BACT-PSD
TX-0998	TRINIDAD GENERATING FACILITY	HENDERSON	TX	111393 PSDTX1368	11/20/14	05/09/16	combined cycle turbine	497	MW		0			BACT-PSD
TX-0998	TRINIDAD GENERATING FACILITY	HENDERSON	TX	111393 PSDTX1368	11/20/14	05/09/16	cooling tower	0		zero emissions	0.005	%		BACT-PSD

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Table C-4. RBLC Database PM Emissions Query Results - Combined Cycle CT/HRSG

RBLID	FACILITY NAME	COUNTY	STATE	PERMIT NUMBER	PERMIT ISSUANCE DATE	DATE DETERMINATION LAST UPDATED	PROCESS	THROUGHPUT		CONTROL METHOD	EMISSIONS LIMIT		BASIS
*TX-0718	TENASKA BROWNSVILLE GENERATING STATION	CAMERON	TX	PSD411 PSDTX1158	06/21/16	05/09/16	(3) combined cycle turbines.	174	MW		8		BACT-PSD
*TX-0718	TENASKA BROWNSVILLE GENERATING STATION	CAMERON	TX	PSD411 PSDTX1158	06/29/16	05/09/16	cooling tower	0		mist eliminators	0.0005	%	BACT-PSD
*TX-0714	B B BRYSON ELECTRIC GENERATING STATION	HARRIS	TX	102753 PSDTX1294	12/16/14	05/09/16	(1) combined cycle turbines	248	MW		8		BACT-PSD
*TX-0714	B B BRYSON ELECTRIC GENERATING STATION	HARRIS	TX	102753 PSDTX1294	12/29/14	05/09/16	cooling tower	0		drift eliminators	0.0005	%	BACT-PSD
*TX-0730	COLORADO BEND ENERGY CENTER	WHARTON	TX	119963, PSDTX1410, GHGPSDTX132	04/01/15	05/16/16	Combined-cycle gas turbine electric generating facility	1100	MW	efficient combustion, natural gas fuel	45	LB/H	BACT-PSD
*TX-0730	COLORADO BEND ENERGY CENTER	WHARTON	TX	119963, PSDTX1410, GHGPSDTX132	04/01/15	05/16/16	Combined-cycle gas turbine electric generating facility	1100	MW	efficient combustion, natural gas fuel	45	LB/H	BACT-PSD
*TX-0730	COLORADO BEND ENERGY CENTER	WHARTON	TX	119963, PSDTX1410, GHGPSDTX132	04/01/15	05/16/16	Combined-cycle gas turbine electric generating facility	1100	MW	efficient combustion, natural gas fuel	45	LB/H	BACT-PSD
*TX-0791	EAGLE MOUNTAIN STEAM ELECTRIC STATION	TARRANT	TX	113076, PSDTX1396 N184	06/16/15	06/29/15	Combined Cycle Turbines (4 @28 MW) N* natural gas	210	MW		34.47	LB/H	BACT-PSD
*TX-0791	EAGLE MOUNTAIN STEAM ELECTRIC STATION	TARRANT	TX	113076, PSDTX1396 N184	06/16/15	06/29/15	Combined Cycle Turbines (4 @28 MW) N* natural gas	210	MW		34.47	LB/H	BACT-PSD
*TX-0767	LON C. HILL POWER STATION	NUECES	TX	114911 AND PSDTX1380	10/02/13	10/06/15	Combined Cycle Turbines (4 @ 23 MW)	195	MW	Good combustion practices and use of pipeline quality natural gas	16	LB/HR	BACT-PSD
*TX-0767	LON C. HILL POWER STATION	NUECES	TX	114911 AND PSDTX1380	10/02/13	10/06/15	Combined Cycle Turbines (4 @ 23 MW)	195	MW	Good combustion practices and use of pipeline quality natural gas	16	LB/HR	BACT-PSD
*TX-0773	ROB ROY MAES PROJECT	CHEROKEE	TX	131818, PSDTX1434, AND GHGPSDT	11/04/15	12/22/15	Combined Cycle Turbines (4 @ 55 MW)	321	MW		31.4	LB/H	BACT-PSD
*TX-0773	ROB ROY MAES PROJECT	CHEROKEE	TX	131818, PSDTX1434, AND GHGPSDT	11/04/15	12/22/15	Combined Cycle Turbines (4 @ 55 MW)	321	MW		31.4	LB/H	BACT-PSD
*TX-0766	MCEWEN STATION	CHEROKEE	TX	122401, PSDTX1428, GHGPSDTX111	05/24/16	06/21/16	Large Combustion Turbines (4 @ 25 MW	212	MW	good combustion practices, low sulfur fuel	13.4	LB/H	BACT-PSD
*TX-0766	MCEWEN STATION	CHEROKEE	TX	122401, PSDTX1428, GHGPSDTX111	05/24/16	06/21/16	Large Combustion Turbines (4 @ 25 MW	212	MW	good combustion practices, low sulfur fuel	13.4	LB/H	BACT-PSD
*TX-0765	MCEWEN STATION	CHEROKEE	TX	122401, PSDTX1428, GHGPSDTX111	05/24/16	06/21/16	Combined Cycle Gas(4) Cogeneration	231	MW	GOOD COMBUSTION PRACTICES LOW SULFUR FUEL	19.35	LB/H	BACT-PSD
*TX-0765	MCEWEN STATION	CHEROKEE	TX	122401, PSDTX1428, GHGPSDTX111	05/24/16	06/21/16	Combined Cycle Gas(4) Cogeneration	231	MW	GOOD COMBUSTION PRACTICES AND LOW SULFUR FUEL	19.35	LB/H	BACT-PSD
*TX-0749	DECORDOVA STEAM ELECTRIC STATION	HOOD	TX	107549 AND PSDTX1432	01/08/16	01/11/16	Combined Cycle Gas(4) Cogeneration	231	MW	GOOD COMBUSTION PRACTICES AND LOW SULFUR FUEL	34.47	LB/H	BACT-PSD
*TX-0749	DECORDOVA STEAM ELECTRIC STATION	HOOD	TX	107549 AND PSDTX1432	01/08/16	01/11/16	Combined Cycle Gas(4) Cogeneration	231	MW	GOOD COMBUSTION PRACTICES AND LOW SULFUR FUEL	34.47	LB/H	BACT-PSD
*TX-0768	PORT ARTHUR LNG EXPORT TERMINAL	JEFFERSON	TX	131769, PSDTX1436, GHGPSDTX134	02/17/16	04/22/16	Refrigeration Compressors Turbines	10	M TONNES/YR		11.07	LB/H	BACT-PSD
*TX-0768	PORT ARTHUR LNG EXPORT TERMINAL	JEFFERSON	TX	131769, PSDTX1436, GHGPSDTX134	02/17/16	04/22/16	Refrigeration Compressors Turbines	10	M TONNES/YR		11.07	LB/H	BACT-PSD
*TX-0760	PORT ARTHUR LNG EXPORT TERMINAL	JEFFERSON	TX	131769, PSDTX1436, GHGPSDTX134	02/17/16	04/22/16	Simple Cycle Electrical Generation Gas Turbines (3 @ 18	34	MW	Good combustion practices and use of low sulphur, low sulfur fuel	3.21	LB/H	BACT-PSD
*TX-0760	PORT ARTHUR LNG EXPORT TERMINAL	JEFFERSON	TX	131769, PSDTX1436, GHGPSDTX134	02/17/16	04/22/16	Simple Cycle Electrical Generation Gas Turbines (3 @ 18	34	MW	Good combustion practices and use of low sulfur, low sulfur fuel	3.21	LB/H	BACT-PSD
VA-0415	WARREN COUNTY POWER PLANT - DOMINION	WARREN	VA	31791-007	12/17/98	07/30/13	COMBINED CYCLE TURBINE Bentley DUCT BURNER, B	796	MMBTU/H	Natural Gas only, fuel has maximum sulfur content of 0.0023% by weight.	8	LB/H	BACT-PSD
VA-0415	WARREN COUNTY POWER PLANT - DOMINION	WARREN	VA	31791-007	12/17/98	03/28/15	COMBINED CYCLE TURBINE Bentley DUCT BURNER, B	796	MMBTU/H	Natural Gas only, fuel has maximum sulfur content of 0.0023% by weight.	8	LB/H	BACT-PSD
VA-0419	NAT COGENERATION 3, LLC - SMART WATER PM	PRINCE GEORGE	VA	32329-002	02/27/12	05/29/13	COMBUSTION TURBINE, (2)	969	MMBTU/H	Clean burning fuels and good combustion practices.	3	LB/H	BACT-PSD
VA-0419	NAT COGENERATION 3, LLC - SMART WATER PM	PRINCE GEORGE	VA	32329-002	02/27/12	05/29/13	COMBUSTION TURBINE, (2)	969	MMBTU/H	Clean burning fuels and good combustion practices.	3	LB/H	BACT-PSD
VA-0419	NAT COGENERATION 3, LLC - SMART WATER PM	PRINCE GEORGE	VA	32329-002	02/27/12	05/29/13	FIRE WATER PUMP	1.86	MMBTU/H	Clean burning ULSD fuel and good combustion practices	0.13	G/HR	BACT-PSD
VA-0419	NAT COGENERATION 3, LLC - SMART WATER PM	PRINCE GEORGE	VA	32329-002	06/27/12	05/29/13	FIRE WATER PUMP	1.86	MMBTU/H	Clean burning ULSD fuel and good combustion practices.	0.13	G/HR	BACT-PSD
VA-0419	NAT COGENERATION 3, LLC - SMART WATER PM	PRINCE GEORGE	VA	32329-002	06/27/12	05/29/13	COOLING TOWER	30000	GAL/MIN	Use of drift eliminators to a drift rate of 0.001% of the circulating water flow and a total	0.1	LB/H	BACT-PSD
VA-0419	NAT COGENERATION 3, LLC - SMART WATER PM	PRINCE GEORGE	VA	32329-002	06/27/12	05/29/13	COOLING TOWER	30000	GAL/MIN	Use of drift eliminators to a drift rate of 0.001% of the circulating water flow and a total	0.1	LB/H	BACT-PSD
VA-0421	BRUNSWICK COUNTY POWER STATION	BRUNSWICK	VA	33406-001	03/12/13	03/13/14	AUXILIARY BOILER	66.7	MMBTU/H	Low sulfur fuel and good combustion practices	0.007	LB/MMBTU	BACT-PSD
VA-0421	BRUNSWICK COUNTY POWER STATION	BRUNSWICK	VA	33406-001	03/12/13	03/13/14	AUXILIARY BOILER	66.7	MMBTU/H	Low sulfur fuel and good combustion practices	0.007	LB/MMBTU	BACT-PSD
VA-0421	BRUNSWICK COUNTY POWER STATION	BRUNSWICK	VA	33406-001	03/12/13	03/13/14	COMBUSTION TURBINE GENERATORS, (5)	5442	MMBTU/H	Low sulfur fuel and good combustion practices.	0.0053	LB/MMBTU	BACT-PSD
VA-0421	BRUNSWICK COUNTY POWER STATION	BRUNSWICK	VA	33406-001	03/12/13	03/13/14	COMBUSTION TURBINE GENERATORS, (5)	5442	MMBTU/H	Low sulfur fuel and good combustion practices.	0.0053	LB/MMBTU	BACT-PSD
*WV-0021	MOUNDSVILLE COMBINED CYCLE POWER PLAN	MARSHALL	WV	014-0030	11/21/14	06/30/15	Auxiliary Boiler	100	mmBtu/hr	Use of Natural Gas & Good Combustion Practices	0.3	LB/H	BACT-PSD
*WV-0021	MOUNDSVILLE COMBINED CYCLE POWER PLAN	MARSHALL	WV	014-0030	11/21/14	06/30/15	Emergency Generator	2013.7	HP		0		BACT-PSD
*WV-0021	MOUNDSVILLE COMBINED CYCLE POWER PLAN	MARSHALL	WV	014-0030	11/21/14	06/30/15	Fire Pump Engine	231	HP		0		BACT-PSD
*WV-0021	MOUNDSVILLE COMBINED CYCLE POWER PLAN	MARSHALL	WV	014-0030	11/21/14	06/30/15	Cooling Tower	134000	gpm	DRIFT ELIMINATOR	0.72	LB/H	BACT-PSD
*WV-0021	MOUNDSVILLE COMBINED CYCLE POWER PLAN	MARSHALL	WV	014-0014	11/21/14	06/30/15	Cooling Tower	139000	gpm		0.3	LB/H	BACT-PSD
*WV-0021	MOUNDSVILLE COMBINED CYCLE POWER PLAN	MARSHALL	WV	014-0030	11/21/14	06/30/15	Cooling Tower	139000	gpm		0.81	LB/H	BACT-PSD
*WV-0021	MOUNDSVILLE COMBINED CYCLE POWER PLAN	MARSHALL	WV	014-0030	11/21/14	06/30/15	Combined Cycle Turbine/Duct Burner	3439.61	mmBtu/hr	Good Combustion Practices, Inlet Air Filtration, & use of Natural Gas	8.9	LB/H	BACT-PSD
*WY-0070	CHEYENNE PRAIRIE GENERATING STATION	LARAMIE	WY	CT-32636	06/21/12	03/29/13	Simple Cycle Turbine (1 PCS)	48	MW	good combustion practices	4	LB/H	BACT-PSD
*WY-0070	CHEYENNE PRAIRIE GENERATING STATION	LARAMIE	WY	CT-32636	06/21/12	03/29/13	Combined Cycle Turbine (1 PCS)	48	MW	good combustion practices	4	LB/H	BACT-PSD
*WY-0070	CHEYENNE PRAIRIE GENERATING STATION	LARAMIE	WY	CT-32636	06/28/12	03/29/13	Combined Cycle Turbine (1 PCS)	48	MW	good combustion practices	4	LB/H	BACT-PSD
*WY-0070	CHEYENNE PRAIRIE GENERATING STATION	LARAMIE	WY	CT-32636	06/28/12	03/29/13	Simple Cycle Turbine (1 PCS)	48	MW	good combustion practices	4	LB/H	BACT-PSD
*WY-0070	CHEYENNE PRAIRIE GENERATING STATION	LARAMIE	WY	CT-32636	06/28/12	03/29/13	Simple Cycle Turbine (1 PCS)	48	MW	good combustion practices	4	LB/H	BACT-PSD

Source: EPA RBLC, queried May 2016

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Table C6. RBLC Database H,GO, Emissions Query Results - Combined Cycle CTs/HRSG

RECID	FACILITY NAME	COUNTY	STATE	PERMIT NUMBER	PERMIT ISSUANCE DATE	DATE DETERMINATION LAST UPDATED	PROCESS	THROUGHPUT		CONTROL METHOD	EMISSIONS UNIT		BACS
CT-0187	CPV TOWANTIC, LLC	NEW HAVEN	CT	144-0023	11/30/15	02/19/16	Combined Cycle Power Plant	21200000	MBtu/12 months		2.11	LB/H	BACT-PSD
CT-0188	CPV TOWANTIC, LLC	NEW HAVEN	CT	144-0024	11/30/15	02/19/16	Combined Cycle Power Plant	21200000	MMBtu/yr	Use of inherently low sulfur fuel	2.11	LB/H	BACT-PSD
*DE-0021	NRG ENERGY CENTER DOVER	KENT	DE	AQM-001/00127(A-2)(R1)(V-1)	10/31/12	05/13/16	UNIT 2- CT01	633	MMBTU/H		0.13	LB/H	OTHER CASE-BY-CASE
DE-0014	GARRISON ENERGY CENTER	KENT COUNTY	DE	APC-2012/0088	01/30/13	01/25/14	Unit 1	2760	million BTUs		34.3	TONS	BACT-PSD
*FL-0356	DE ECHOMERE CLEAN ENERGY CENTER	DE ECHOBEE	FL	0830117-001-AC	03/09/10	03/16/16	Combined-cycle electric generating unit	3089	MBtu/hr per ISO	Use of low-sulfur fuels	2	lb/100 SCF O	BACT-PSD
*IA-0107	MARSHALLTOWN GENERATING STATION	MARSHALL	IA	13-A-499-P	04/14/14	05/04/16	Combustion turbine #1 - combined cycle	3258	mmBtu/hr		0.0012	LB/MMBTU	BACT-PSD
*IA-0107	MARSHALLTOWN GENERATING STATION	MARSHALL	IA	13-A-499-P	04/14/14	05/04/16	Combustion turbine #2 -combined cycle	3258	mmBtu/hr		0.0012	LB/MMBTU	BACT-PSD
*IN-0198	St. JOSEPH ENERGY CENTER, LLC	ST. JOSEPH	IN	141-31003-00079	12/05/12	05/04/16	FOUR (4) NATURAL GAS COMBINED CYCLE COMBUSTION T	3300	MMBTU/H	FUEL SPECIFICATION	0.75	LB/100 SCF FU	BACT-PSD
LA-0224	ARSENAL HILL POWER PLANT	CADDO	LA	PSD-LA-776	03/20/08	03/18/13	TWO COMBINED CYCLE GAS TURBINES	3110	MMBTU/H	USE OF LOW SULFUR PIPELINE QUALITY NATURAL	1.85	LB/H	BACT-PSD
*MA-0099	SALEM HARBOR STATION R/DEVELOPMENT	ESSEX	MA	NE-12-022	01/30/14	05/05/16	Combustion Turbine with Duct Burner	2445	MMBTU/H		0.001	LB/MMBTU	BACT-PSD
*MD-0042	WILDCAT POINT GENERATION FACILITY	CECIL	MD	CPCN CASE NO. 9337	04/08/14	05/16/16	2 COMBINED CYCLE COMBUSTION TURBINES, WITH DUCT	1030	MW	EXCLUSIVE USE OF PIPELINE QUALITY NATURAL G	13.8	LB/H	BACT-PSD
*MD-0042	WILDCAT POINT GENERATION FACILITY	CECIL	MD	CPCN CASE NO. 9337	04/08/14	05/16/16	2 COMBINED CYCLE COMBUSTION TURBINES, WITHOUT D	270	MW	EXCLUSIVE USE OF PIPELINE QUALITY NATURAL G	9.7	LB/H	BACT-PSD
*MD-0043	MATTAWOMAN ENERGY CENTER	PRINCE GEORGE'S	MD	PSC CASE NO. 9330	11/13/13	05/13/16	2 COMBINED-CYCLE COMBUSTION TURBINES	186	MW	INITIAL AND ANNUAL PERFORMANCE TEST USING	4.4	LB/H	BACT-PSD
NJ-0031	PSEG FOSSIL LLC SEWAREN GENERATING STATIO	MIDDLESEX COUNTY	NJ	12066 (BOP120002)	03/07/14	05/02/16	Combined Cycle Combustion Turbine -Siemens turbine wit	33691	MMCF/YR	USE OF NATURAL GAS A CLEAN BURNING FUEL	2.79	LB/H	BACT-PSD
NJ-0031	PSEG FOSSIL LLC SEWAREN GENERATING STATIO	MIDDLESEX COUNTY	NJ	12066 (BOP120002)	03/07/14	05/02/16	COMBINED CYCLE COMBUSTION TURBINE WITH DUCT BUR	33691	MMCF/YR	Use of natural gas a clean burning fuel	2.79	LB/H	BACT-PSD
NJ-0031	PSEG FOSSIL LLC SEWAREN GENERATING STATIO	MIDDLESEX COUNTY	NJ	12066 (BOP120002)	03/07/14	05/02/16	COMBINED CYCLE COMBUSTION TURBINE WITH DUCT BUR	33691	MMCF/YR	Use of natural gas a clean burning fuel and a low s	2.93	LB/H	BACT-PSD
NJ-0031	PSEG FOSSIL LLC SEWAREN GENERATING STATIO	MIDDLESEX COUNTY	NJ	12066 (BOP120002)	03/07/14	05/02/16	COMBINED CYCLE COMBUSTION TURBINE WITHOUT DUCT	33691	MMCF/YR	Use of natural gas a low sulfur fuel	2.74	LB/H	BACT-PSD
NJ-0052	WEST DEPTFORD ENERGY STATION	GLOUCESTER	NJ	34078/BOP120001	07/18/14	05/02/16	Combined Cycle Combustion Turbine without Duct Burner	20282	MMCF/YR	Use of natural gas a clean burning fuel	0.74	LB/H	OTHER CASE-BY-CASE
NJ-0052	WEST DEPTFORD ENERGY STATION	GLOUCESTER	NJ	34078/BOP120001	07/18/14	05/02/16	Combined Cycle Combustion Turbine with Duct Burner	20282	MMCF/YR	Use of natural gas a clean burning fuel	0.81	LB/H	OTHER CASE-BY-CASE
NY-0025	EASTMAN S DEL PORT ENERGY CENTER	SULLIVAN	NY	PSD-NY-0001	09/10/04	05/06/01	COMBUSTION TURBINE	2721	MMBTU/H	LOW SULFUR FUEL	0.0004	LB/MMBTU	BACT-PSD
*OH-0256	DUKE ENERGY HANGING ROCK ENERGY	LAWRENCE	OH	P0110487	12/18/12	05/04/16	Turbines (4) (model GE 7FA) Duct Burners Off	173	MW	Burning natural gas in an efficient combustion tur	0.16	LB/H	BACT-PSD
*OH-0256	DUKE ENERGY HANGING ROCK ENERGY	LAWRENCE	OH	P0110487	12/18/12	05/04/16	Turbines (4) (model GE 7FA) Duct Burners On	173	MW	Burning natural gas in an efficient combustion tur	0.23	LB/H	BACT-PSD
*OR-0050	TROUTDALE ENERGY CENTER, LLC	MULTNOMAH	OR	26-0215	05/05/14	05/05/16	Mitsubishi M501-GAC combustion turbine, combined cycle	2488	MMBTU/H	Nitrogen only natural gas or ULSD fuel.	0		BACT-PSD
PA-0278	MONE LIBERTY LLC/ASPLUM POWER PLT	BRADFORD COUNTY	PA	08-00045A	10/10/12	04/03/13	Combined-cycle Turbines (2) - Natural gas fired	3277	MMBTU/H		0.0017	LB/MMBTU	OTHER CASE-BY-CASE
*PA-0283	MONE ENERGY LLC/PATRIOT GENERATION PLT	LYCOMING COUNTY	PA	41-00084A	06/21/13	04/03/13	Combined Cycle Power Blocks 472 MW - (2)	0			0.0015	LB/MMBTU	OTHER CASE-BY-CASE
*PA-0296	SUNBURY GENERATION LP/SUNBURY EPS	SNYDER	PA	55-00301E	04/04/13	04/03/16	Combined Cycle Combustion Turbine AND DUCT BURNER	2338000	MMBTU/H		0.0018	LB/MMBTU	OTHER CASE-BY-CASE
*PA-0291	MOSHANNON VALLEY ENERGY STATION	LAWRENCE	PA	37-337A	08/23/13	04/05/16	COMBINED CYCLE UNITS #1 and #2	3.4	MMCF/HR		1.08	LB/DUCT BUR	OTHER CASE-BY-CASE
*PA-0296	BERWICK HOLLOW ENERGY ASSOC LLC/CONTELAUNC	BERWICK	PA	79-00150A	12/17/13	05/04/16	Turbine, Combined Cycle, #1 and #2	3048	MMBTU/H		2.97	T/YR	OTHER CASE-BY-CASE
*PA-0298	TURN POWER PAGODO SPRINGS MOCE FACILI	SCHUYLKILL	PA	54-00325A	05/04/14	05/04/16	Turbine, COMBINED CYCLE UNIT (Siemens S700)	2287	MMBTU/H		3.4	LB/H	BACT-PSD
TX-0497	HYDE CHOCOLATE BATOU FACILITY	BRAZORIA	TX	PSD-TX 843 AND 46192	08/28/08	10/07/07	COGENERATION TRAIN 2 AND 3 TURBINE AND DUCT BUR	85	MW	THE TURBINES WILL FIRE NATURAL GAS AND THE	1.84	LB/H	BACT-PSD
TX-0502	OGLOCHE'S POWER STEAME GENERATING FAC	NACOGDOCHES	TX	PSD-TX 1063 AND 49283	06/05/06	04/28/09	WESTINGHOUSE/SIEMENS MODEL EW501F GAS TURBINE	180	MW		1.3	LB/H	BACT-PSD
TX-0600	THOMAS C. FERGUSON POWER PLANT	LLANO	TX	PSDTX1244	09/01/11	07/14/11	Natural gas-fired turbines	290	MW	Pipeline quality natural gas	15.68	LB/H	BACT-PSD
*TX-0714	B R BERTRON ELECTRIC GENERATING STATION	HARRIS	TX	107721 PSDTX1294	12/19/14	05/09/16	(2) combined cycle turbines	240	MW		0.5	GLB/FU/100 D	BACT-PSD
*TX-0730	COLORADO BEND ENERGY CENTER	WHARTON	TX	119563, PSDTX1410, GHGPSDTX112	04/01/15	05/19/16	Combined-cycle gas turbine electric generating facility	1100	MW	efficient combustion, natural gas fuel	2	PP/100 SCF	BACT-PSD
*TX-0731	EAGLE MOUNTAIN STEAM ELECTRIC STATION	TARRANT	TX	117026, PSDTX1390, N194	08/18/15	08/29/15	Combined Cycle Turbines (Agt 25 MW) & " natural gas	210	MW		19.36	LB/H	BACT-PSD
*TX-0778	FOG EAGLE POWER PROJECT	CHEROKEE	TX	121316, PSDTX1454, AND GHGPSDT	11/04/15	12/22/15	Combined Cycle Turbines (Agt25 MW)	221	MW	low sulfur fuel	10.4	T/YR	BACT-PSD
*TX-0788	NECHES STATION	CHEROKEE	TX	122404, PSDTX1428, GHGPSDTX111	05/24/16	06/21/16	Combined Cycle & Cogeneration	281	MW	GOOD COMBUSTION PRACTICES AND LOW SULFU	1	GA/100 SCF	BACT-PSD
*TX-0789	DECORDOVA STEAM ELECTRIC STATION	HOOD	TX	107549 AND PSDTX1437	05/06/16	05/11/16	Combined Cycle & Cogeneration	231	MW	GOOD COMBUSTION PRACTICES AND LOW SULFU	5	GA/100 SCF	BACT-PSD
VA-0313	WARREN COUNTY POWER PLANT - DOMINION	WARREN	VA	81393-007	12/17/10	03/30/15	COMBINED CYCLE TURBINE & DUCT BURNER, 3	2998	MMBTU/H	Natural Gas burning	0.0081	LB/MMBTU	BACT-PSD
*VA-0321	BRUNSWICK COUNTY POWER STATION	BRUNSWICK	VA	52404-001	03/12/13	03/11/16	COMBUSTION TURBINE GENERATORS, (3)	3442	MMBTU/H	Low sulfur fuel	0.0014	LB/MMBTU	BACT-PSD

Source: EPA RBLC, queried May 2016

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Table C-4. RBLC Database CO_2 Emissions Query Results

RLCID	FACILITY NAME	COUNTY	STATE	PERMIT NUMBER	PERMIT ISSUANCE DATE	DATE DETERMINATION LAST UPDATED	PROCESS	THROUGHPUT		CONTROL METHOD	EMISSIONS LIMIT		BASIS
CT-0134	CPV TOWANTIC, LLC	NEW HAVEN	CT	144-0014	11/30/15	07/19/16	Combined Cycle Power Plant	71200000	MMBtu/yr		509	LB/MWH	BACT-PSD
*IA-0107	MARSHALLTOWN GENERATING STATION	MARSHALL	IA	13-A-499-P	04/14/14	05/04/16	Combustion turbine #1 - combined cycle	2258	mmBtu/hr		951	LB/MW-H	BACT-PSD
*IA-0107	MARSHALLTOWN GENERATING STATION	MARSHALL	IA	13-A-499-P	04/14/14	05/04/16	Combustion turbine #2 -combined cycle	2258	mmBtu/hr		951	LB/MW-HR GROS	BACT-PSD
LA-0254	WHITE POINT ELECTRIC GENERATING PLANT	JEFFERSON	LA	PSD-LA-753	08/16/11	12/12/11	AUXILIARY BOILER (AUX-1)	838	MMBTU/H	PROPER OPERATION AND GOOD COMBUSTION PRACTICES	117	LB/MMBTU	BACT-PSD
LA-0254	WHITE POINT ELECTRIC GENERATING PLANT	JEFFERSON	LA	PSD-LA-753	08/16/11	12/12/11	EMERGENCY DIESEL GENERATOR	1190	HP	PROPER OPERATION AND GOOD COMBUSTION PRACTICES	161	LB/MMBTU	BACT-PSD
LA-0254	WHITE POINT ELECTRIC GENERATING PLANT	JEFFERSON	LA	PSD-LA-753	08/16/11	12/12/11	EMERGENCY FIRE PUMP	150	HP	PROPER OPERATION AND GOOD COMBUSTION PRACTICES	161	LB/MMBTU	BACT-PSD
*MD-0004	CPV LINDEN CENTER	PRINCE GEORGE'S	MD	PSC CASE NO. 8797	10/31/14	09/11/16	3 COMBINED-CYCLE COMBUSTION TURBINES	255	MW	CO2 CEMS	849	LB/MW-H CO2	BACT-PSD
NJ-0021	EGI FOSSIL LLC SEWAREN GENERATING STATION	MIDDLESEX COUNTY	NJ	18066 -(BOP12000)	03/07/14	05/02/16	COMBINED CYCLE COMBUSTION TURBINE WITH duct BU	33891	MMCF/YR		925	LB/MW-H	BACT-PSD
NJ-0021	EGI FOSSIL LLC SEWAREN GENERATING STATION	MIDDLESEX COUNTY	NJ	18066 -(BOP12000)	03/07/14	05/02/16	COMBINED CYCLE COMBUSTION TURBINE WITH duct BU	33891	MMCF/YR		929	LB/MW-H	BACT-PSD
*PA-0298	RES HOLLOW ENERGY ASSOC LLC/CONTELAUNE	BERKS	PA	06-05150A	12/17/13	09/04/16	Turbine, Combined Cycle, #1 and #2	3046	MMBTU/H		1000	LB/MW-H	BACT-PSD
*PA-0298	RES HOLLOW ENERGY ASSOC LLC/CONTELAUNE	BERKS	PA	06-05150A	12/17/13	09/04/16	Fuel Preheater	8.5	MMBTU/H		4908.3	T/YR	N/A
TX-0612	THOMAS C. FERGUSON POWER PLANT	LLANO	TX	PSD-TX-1244-GHG	11/15/11	09/25/13	EMERGENCY - DIESEL FIRED EMERGENCY GENERATOR	83.8		To fire diesel fuel containing no more than 0.5 percent sulfur by w	7027.8	LB/H	BACT-PSD
TX-0633	DEER PARK ENERGY CENTER LLC	HARRIS	TX	PSD-TX-979-GHG	11/29/12	01/06/14	CTG5/HRSG5 (FGG-Series)	0			1062627	T/YR	BACT-PSD
TX-0633	DEER PARK ENERGY CENTER LLC	HARRIS	TX	PSD-TX-979-GHG	11/29/12	01/06/14	MB-FUG	0			0.11	T/YR	OTHER CASE BY-CASE
TX-0633	DEER PARK ENERGY CENTER LLC	HARRIS	TX	PSD-TX-979-GHG	11/29/12	01/06/14	CTG3/HRSG3 (FGG-Series)	0			0.44	T/MW-H	BACT-PSD
TX-0635	CHANNEL ENERGY ENERGY CENTER, LLC	HARRIS	TX	PSD-TX-953-GHG	11/29/12	01/07/14	CTG3/HRSG3(FGG-Series) -Initial Phase	0			864592	T/YR	BACT-PSD
TX-0635	CHANNEL ENERGY ENERGY CENTER, LLC	HARRIS	TX	PSD-TX-953-GHG	11/29/12	01/07/14	MB-FUG	0			0.39	T/YR	BACT-PSD
TX-0635	CHANNEL ENERGY ENERGY CENTER, LLC	HARRIS	TX	PSD-TX-953-GHG	11/29/12	01/07/14	CTG1/HRSG1(FGG-Series) -Final Phase	0			1007759	T/YR	BACT-PSD
*TX-0684	LON C. HILL POWER STATION	NUECES	TX	PSD-TX-1388-GHG	10/24/14	05/04/16	Large Combustion Turbine	700	MW		870	LB/MW-H	BACT-PSD
*TX-0735	COLORADO WIND ENERGY CENTER	WHARTON	TX	118363, PSDTX1430, GHGPSDTX112	04/01/13	05/15/15	Combined-cycle gas turbine electric generating facility	1100	MW	efficient processes, practices, and designs	679	LB/MWH	BACT-PSD
*TX-0791	SR BERTRON ELECTRIC GENERATING STATION	HARRIS	TX	GHGPSDTX134, 107731, PSDTX139	06/15/15	12/22/15	Simple cycle turbines greater than 25 megawatts (MW) n	359	MW		1212	LB/MWH	BACT-PSD
*TX-0791	SR BERTRON ELECTRIC GENERATING STATION	HARRIS	TX	GHGPSDTX134, 107731, PSDTX139	06/15/15	12/22/15	Combined cycle and cogeneration turbines greater than 2	803	MMBTU/H		915	LB/MWH	BACT-PSD
*TX-0792	CEDAR BAYOU ELECTRIC GENERATING STATION	CHAMBERS	TX	GHGPSDTX102, 105810, PSDTX1306	09/15/15	09/16/15	Simple cycle turbines greater than 25 megawatts (MW)	359	MW		1212	LB CO2/MWH	BACT-PSD
*TX-0792	CEDAR BAYOU ELECTRIC GENERATING STATION	CHAMBERS	TX	GHGPSDTX102, 105810, PSDTX1306	09/15/15	09/16/15	Combined cycle and cogeneration turbines greater than 2	803	MMBTU/H		828	LB CO2/MWH	BACT-PSD

Source: EPA RBLC, queried May 2016

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Table 2.9. [illegible]

FACID	FACILITY NAME	FACILITY ADDRESS	STATE	[illegible]	PERMIT ISSUANCE DATE	DATE INSTALLATION COMPLETED	[illegible]	[illegible]	[illegible] METHOD	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

1609209095

Table C-8. RBLC Database CO Emissions Query Results - Boilers (10 MMBtu/hr < H < 250 MMBtu/hr)

RBLID	FACILITY NAME	COUNTY	STATE	PERMIT NUMBER	PERMIT ISSUANCE DATE	DATE DETERMINATION LAST UPDATED	PROCESS	THROUGHPUT	CONTROL METHOD	EMISSIONS LIMIT	BASIS
AK-0081	KENAI NITROGEN OPERATIONS	USA	AK	AQ0091TP01R	01/06/13	02/19/16	Three (3) Package Boilers	243 MMBTU/H		30 PPMV	BACT-PSD
*AR-0133	EL DORADO CHEMICAL COMPANY	UNION	AR	0573-AOP-R16	12/18/13	02/29/16	START-UP BOILER	240 MMBTU/H	GOOD AND EFFICIENT OPERATING PRACTICES	0.84 LB/H	BACT-PSD
CA-1118	PALMDALE HYBRID POWER PROJECT	LOS ANGELES	CA	SE 09-01	10/18/11	01/27/14	AUXILIARY BOILER	110 MMBTU/H		30 PPMVD	BACT-PSD
*GA-0137	PLANT MCDONOUGH COMBINED CYCLE	COBB	GA	4911-067-0001-V-02	01/07/05	10/09/08	AUXILIARY BOILERS	200 MMBTU/H		0.017 LB/MMBTU	BACT-PSD
IA-0105	IOWA FERTILIZER COMPANY	LEE	IA	12-419	10/29/2012 Amended	09/15/13	Auxiliary Boiler	472.4 MMBTU/H	good combustion practices	0.0018 LB/MMBTU	BACT-PSD
ID-0017	POWER COUNTY ADVANCED ENERGY CE	POWER	ID	P-2008.0046	07/10/09	03/01/10	190 MMBTU/H PACKAGE BOILER, 1 RE	190 MMBTU/H	GOOD COMBUSTION PRACTICES	0.074 LB/MMBTU	BACT-PSD
*IL-0134	CARGILL DE MICALB, LLC	DOUGLAS	IL	18040007	03/04/2014 Amended	04/05/16	Boiler	84.4 MMBTU/H	good combustion practices	0.02 LB/MMBTU	BACT-PSD
*IN-0179	OHIO VALLEY RESOURCES, LLC	SPENCER	IN	147-32332-00062	09/12/13	05/04/16	FOUR (4) NATURAL GAS-FIRED BOILE	216 MMBTU/H, EACH	PROPER DESIGN AND GOOD COMBUSTION PRACTICES	37.22 LB/MMCF	BACT-PSD
LA-0274	TANGITECH PLAQUEMINE PLANT 3	IBERVILLE	LA	PSD-LA-721	07/28/08	04/28/09	(EQT12, EQT21) - TWO UTIL. BOILERS	280 MMBTU/H	GOOD COMBUSTION PRACTICES	0.0242 LB/MMBTU	BACT-PSD
*LA-0273	AMMONIA PRODUCTION FACILITY	JEFFERSON	LA	PSD-LA-768	03/27/13	03/06/14	COMMISSION WIB BOILERS 1 & Permit 2	217.6 MM BTU/HR	GOOD COMBUSTION PRACTICES; PROPER DESIGN OF BURNER AND FIREBOX COMP	10.87 LB/H	BACT-PSD
MI-0189	KARN WEADOCK GENERATING COMPLEX	BAY	MI	241-07	12/29/2009 Amended	12/14/10	NOHTR	8190 MMBTU/H	EFFICIENT COMBUSTION	0.125 LB/MMBTU	BACT-PSD
MI-0189	KARN WEADOCK GENERATING COMPLEX	BAY	MI	241-07	12/29/08	12/14/10	AUXILIARY BOILER	220 MMBTU/H	EFFICIENT COMBUSTION	0.015 LB/MMBTU	OTHER CASE-BY-CASE
MN-0046	NORTHERN STATES POWER CO. DBA XCE	RAMSEY	MN	053-0002-004	05/16/06	10/02/06	BOILER, AUXILIARY, NATURAL GAS	160 mmbtu/h	GOOD COMBUSTION	0.08 LB/MMBTU	BACT-PSD
*MS-0082	TUNICA NUCLEAR BTL MS	ADAMS	MS	0048-00033	09/05/14	07/15/15	261 MMBtu/h natural gas-fired boiler	261 MMBTU/H	CO Catalytic Oxidation	8 PPMV @ 3% O2	BACT-PSD
NV-0047	MARIANA'S COMPANIES COMPANY, INC.	CLARK	NV	751	04/20/09	12/01/09	BOILER - UNIT PA13	22 MMBTU/H	OPERATING IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATION	0.048 LB/MMBTU	Other Case-by-Case
NV-0050	NCM MINERAL	CLARK	NV	826	11/30/09	03/13/10	BOILERS - UNITS CC01, CC02 AND C	44 MMBTU/H	GOOD COMBUSTION PRACTICES INCLUDING THE USE OF PROPER AIR TO FUEL RATI	0.0148 LB/MMBTU	LAER
OH-0710	AMERICAN MUNICIPAL POWER BELLEFO	MONROE	OH	P0104461	10/08/09	11/06/09	AUXILIARY BOILER	190 MMBTU/H		18.6 LB/H	BACT-PSD
OH-0748	CAMPBELL SOUP COMPANY	HENRY	OH	P0106678	11/14/09	10/13/13	Boilers (3)	0		0.078 LB/MMBTU	BACT-PSD
*OH-0334	FRATON POLYMERS LLC	WASHINGTON	OH	P0108853	01/15/13	05/04/15	Two 249 MMBtu/H boilers	249 MMBtu/H	Use of clean fuels and good combustion practices	0.036 LB/MMBTU	BACT-PSD
*TN-0151	JOHNSONVILLE COGENERATION	HUMPHREYS	TN	9708157	04/19/16	09/19/16	Two Natural Gas-Fired Auxiliary Boile	490 MMBtu/H	Good combustion design and practices	0.084 LB/MMBTU	BACT-PSD
TX-0499	MANDY CREEK ENERGY STATION	MCLENNAN	TX	PSD-TX-1074 AND 74	07/24/06	11/06/07	AUXILIARY BOILER	175 MMBTU/H		4.1 LB/H	BACT-PSD
*TX-0643	PINECREST ENERGY CENTER	ANGELINA	TX	PSD-TX-1296	11/13/13	11/21/13	Auxiliary boiler	180 MMBTU/H	pipeline quality natural gas and good combustion	73 PPMVD	BACT-PSD
*TX-0708	LA PALOMA ENERGY CENTER	CAMERON	TX	101343 PSDTX1338	02/07/13	06/06/16	boiler	180 MMBTU/H	good combustion practices	75 PPMVD	BACT-PSD
*TX-0731	CORPUS ENERGY TERMINAL CONDENSA	NUECES	TX	118670 AND PSDTX1	04/10/15	05/16/16	Industrial-Size Boilers/Furnaces	0	Good combustion practice to ensure complete combustion	30 PPMVD @ 3% O2	BACT-PSD
*WV-0025	MOUNDSVILLE COMBINED CYCLE POWER	MARSHALL	WV	R14-0030	11/21/14	08/30/15	Auxiliary Boiler	100 mmBtu/hr	Good Combustion Practices	4 LB/H	BACT-PSD

Source: EPA RBLC, queried May 2016

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Table C-9. RBLC Database VOC Emissions Query Results - Boilers 100MMBtu/hr < X < 250 MMBtu/hr

RCLCID	FACILITY NAME	COUNTY	STATE	PERMIT NUMBER	PERMIT ISSUANCE DATE	DATE DETERMINATION LAST UPDATED	PROCESS	THROUGHPUT	CONTROL METHOD	EMISSIONS LIMIT	BASIS
AK-0083	KENAI NITROGEN OPERATIONS	USA	AK	AQ008 SCPT06	01/06/15	02/19/16	Three (3) Package Boilers	243 MMBTU/H		0.0054 LB/MMBTU	BACT-PSD
*AR-0121	EL DORADO CHEMICAL COMPANY	UNION	AR	0573-AOP-R18	11/18/13	02/25/16	START-UP BOILER	240 MMBTU/H	GOOD AND EFFICIENT OPERATING	0.94 LB/H	BACT-PSD
GA-0137	PLANT MCDONOUGH COMBINED CYCLE	COBB	GA	4911-067-0013-V-02-2	01/07/08	10/20/08	AUXILIARY BOILERS	200 MMBTU/H		0.0021 LB/MMBTU	LAER
IA-0105	IOWA FERTILIZER COMPANY	LEE	IA	12-139	09/26/2013 Rebsp:AC	02/13/13	Auxiliary Boiler	472.4 MMBTU/H	good combustion practices	0.0014 LB/MMBTU	BACT-PSD
*IL-0114	CROHUS CHEMICALS, LLC	DOUGLAS	IL	130063 X07	11/05/2014 Rebsp:AC	02/05/16	Boiler	848 MMBTU/H	good combustion practices	0.0054 LB/MMBTU	BACT-PSD
*IN-0179	OHIO VALLEY RESOURCES, LLC	SPENCER	IN	147-37372-00067	09/23/13	05/04/16	FOUR (4) NATURAL GAS-FIRED BOILER	218 MMBTU/HR, EACH	PROPER DESIGN AND GOOD COMB	8.8 LB/MMCF	BACT-PSD
*LA-0273	AMMONIA PRODUCTION FACILITY	JEFFERSON	LA	PSD-LA-766	02/27/13	05/04/16	COMMISSIONING BOILERS 1 & 2	217.5 MM BTU/HR	FLUE GAS RECIRCULATION AND OC	1.41 LB/H	BACT-PSD
MI-0189	KARN WEADOCK GENERATING COMPLEX	BAY	MI	141-07	12/29/2009 Rebsp:AC	12/16/10	BOILER	8190 MMBTU/H	EFFICIENT COMBUSTION	0.001 LB/MMBTU	BACT-PSD
MI-0187	KARN WEADOCK GENERATING COMPLEX	BAY	MI	141-07	12/29/09	12/16/10	AUXILARY BOILER	270 MMBTU/H	EFFICIENT COMBUSTION	0.0013 LB/MMBTU	BACT-PSD
MN-0056	NORTHERN STATES POWER CO. DBA XCEL	RAMSEY	MN	05100315-004	05/18/06	10/02/06	BOILER, AUXILIARY, NATURAL GAS	160 mmbtu/h	GOOD COMBUSTION	0.005 LB/MMBTU	BACT-PSD
*MS-0092	EMERALD EAA GTL MS	ADAMS	MS	0340-00155	05/03/14	01/13/15	263 MMBtu/h natural gas-fired boiler,	261 MMBTU/H		0	BACT-PSD
*NE-0058	AGP SOY	ADAMS	NE	CP14-007	03/25/15	03/18/15	Boiler #1	200 MMBTU/H		0.0054 LB/MMBTU	BACT-PSD
*NE-0059	AGP SOY	ADAMS	NE	CP14-007	03/25/15	03/18/15	Boiler #2	200 MMBTU/H		0.0054 LB/MMBTU	BACT-PSD
NV-0050	MGM MIRAGE	CLARK	NV	825	11/30/07	03/15/10	BOILERS - UNITS CC026, CC027 AND CC	44 MMBTU/H	LIMITING THE FUEL TO NATURAL G	0.0065 LB/MMBTU	Other Case-by-Case
OH-0110	AMERICAN MUNICIPAL POWER GENERAT	MEIGS	OH	P0104461	10/08/09	11/08/09	AUXILIARY BOILER	150 MMBTU/H		0.83 LB/H	BACT-PSD
OH-0118	CAMPBELL EDUP COMPANY	HENRY	OH	P0106678	12/14/10	10/13/11	Boilers (3)	0		0.0054 LB/MMBTU	OTHER CASE-BY-CASE
TX-0499	SANDY CREEK ENERGY STATION	MCLENNAN	TX	PSD-TX 1039 AND 70	07/24/08	11/08/07	AUXILIARY BOILER	173 MMBTU/H		0.7 LB/H	BACT-PSD
*TX-0641	PINECREST ENERGY CENTER	ANGELINA	TX	PSDTX1298	11/12/13	11/21/13	Auxiliary boiler	150 MMBTU/H	pipeline quality natural gas and goo	0.8 LB/H	BACT-PSD
*TX-0703	LA PALOMA ENERGY CENTER	CAMERON	TX	101343 PSDTX1288	02/07/13	05/09/16	boiler	150 MMBTU/H	good combustion practices	0	BACT-PSD
*WV-0075	MOUNDSVILLE COMBINED CYCLE POWER	MARSHALL	WV	414-0010	11/21/14	05/20/15	Auxiliary Boiler	100 mmBtu/hr	Use of Natural Gas & Good Combu	0.6 LB/H	BACT-PSD

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Table C-10. RBLC Database PM Emissions Query Results - Boilers 100MMBtu/hr < X < 250 MMBtu/hr

RBLCID	FACILITY NAME	COUNTY	STATE	PERMIT NUMBER	PERMIT ISSUANCE DATE	DATE DETERMINATION LAST UPDATED	PROCESS	THROUGHPUT	CONTROL METHOD	EMISSIONS UNIT	BASIS
AK-0079	INTERNATIONAL STATION POWER PLANT	ANCHORAGE	AK	AQ0164CPT01	12/20/10	01/08/14	Fuel Combustion	140 MMBTU/H	Combustion Turbines EU IDs 3-12 a	7.8 LB/MMBTU	BACT-PSD
AK-0082	INTERNATIONAL STATION POWER PLANT	ANCHORAGE	AK	AQ0164CPT01	12/20/10	01/08/14	Fuel Combustion	17.3 MMBTU/H	Combustion Turbines EU ID# 18 un	7.8 LB/MMBTU	BACT-PSD
AK-0083	INTERNATIONAL STATION POWER PLANT	ANCHORAGE	AK	AQ0164CPT01	12/20/2010 Revised AC	01/08/14	Fuel Combustion	1800 kW-e	black start diesel fired engine EU 1	0.01 LB/HP-H	BACT-PSD
AK-0031	KENAI NITROGEN OPERATIONS	USA	AK	AQ0083CPT06	01/08/15	02/19/16	Three (3) Package Boilers	243 MMBTU/H		0.0074 LB/MMBTU	BACT-PSD
AK-0033	KENAI NITROGEN OPERATIONS	USA	AK	AQ0083CPT06	01/08/15	02/19/16	Three (3) Package Boilers	243 MMBTU/H		0.0074 LB/MMBTU	BACT-PSD
AK-0081	KENAI NITROGEN OPERATIONS	USA	AK	AQ0083CPT06	01/08/15	02/19/16	Three (3) Package Boilers	243 MMBTU/H		0.0074 LB/MMBTU	BACT-PSD
CA-1312	PALMDALE HYBRID POWER PROJECT	LOS ANGELES	CA	SE 09-01	10/18/11	01/27/14	AUXILIARY BOILER	110 MMBTU/H	USE PUC QUALITY NATURAL GAS	0.8 LB/H	BACT-PSD
CA-1312	PALMDALE HYBRID POWER PROJECT	LOS ANGELES	CA	SE 09-01	10/18/11	01/27/14	AUXILIARY BOILER	110 MMBTU/H	USE PUC QUALITY NATURAL GAS	0.8 LB/H	BACT-PSD
CA-1312	PALMDALE HYBRID POWER PROJECT	LOS ANGELES	CA	SE 09-01	10/18/11	01/27/14	AUXILIARY BOILER	110 MMBTU/H	USE PUC QUALITY NATURAL GAS	0.8 LB/H	BACT-PSD
IA-0105	IOWA FERTILIZER COMPANY	LEE	IA	12-219	0/26/2012 Revised AC	08/13/13	Auxiliary Boiler	472.4 MMBTU/H	good combustion practices	0.0024 LB/MMBTU	BACT-PSD
IA-0105	IOWA FERTILIZER COMPANY	LEE	IA	12-219	0/26/2012 Revised AC	08/13/13	Auxiliary Boiler	472.4 MMBTU/H	good combustion practices	0.0024 LB/MMBTU	BACT-PSD
IA-0105	IOWA FERTILIZER COMPANY	LEE	IA	12-219	0/26/2012 Revised AC	08/13/13	Auxiliary Boiler	472.4 MMBTU/H	good combustion practices	0.0024 LB/MMBTU	BACT-PSD
ID-0017	POWER COUNTY ADVANCED ENERGY CEN	POWER	ID	P-7006.0068	02/10/09	02/05/10	250 MMBTU/H PACKAGE BOILER, SAC	250 MMBTU/H	GOOD COMBUSTION PRACTICES	0.0057 LB/MMBTU	BACT-PSD
*IL-0114	CROMUS CHEMICALS, LLC	DOUGLAS	IL	13060007	09/05/2014 Revised AC	05/05/16	Boiler	864 MMBTU/H	good combustion practices	0.0024 LB/MMBTU	BACT-PSD
*IL-0114	CROMUS CHEMICALS, LLC	DOUGLAS	IL	13960007	09/05/2014 Revised AC	05/05/16	Boiler	864 MMBTU/H	good combustion practices	0.001 LB/MMBTU	BACT-PSD
*IN-0179	OHIO VALLEY RESOURCES, LLC	SPENCER	IN	147-37127-00062	09/25/13	05/04/16	FOUR (4) NATURAL GAS-FIRED BOILER	218 MMBTU/HR, EACH	PROPER DESIGN AND GOOD COMI	7.6 LB/MMCF	BACT-PSD
*IN-0179	OHIO VALLEY RESOURCES, LLC	SPENCER	IN	147-37127-00062	09/25/13	05/04/16	FOUR (4) NATURAL GAS-FIRED BOILER	218 MMBTU/HR, EACH	PROPER DESIGN AND GOOD COMI	7.6 LB/MMCF	BACT-PSD
LA-0229	MONTEZEMA PLAQUEMINE PLANT 2	IBERVILLE	LA	PSD-LA-731	07/10/08	04/30/09	EQT112, EQT118 - TWO UTIL. BOILERS	250 MMBTU/H	GOOD COMBUSTION PRACTICES A	0.005 LB/MMBTU	BACT-PSD
*LA-0272	AMMONIA PRODUCTION FACILITY	JEFFERSON	LA	PSD-LA-766	02/27/13	05/04/16	COMMISSIONING BOILERS 1 & emp; 2	217.8 MM BTU/HR	GOOD COMBUSTION PRACTICES P	1.94 LB/H	BACT-PSD
*LA-0272	AMMONIA PRODUCTION FACILITY	JEFFERSON	LA	PSD-LA-766	02/27/13	05/04/16	COMMISSIONING BOILERS 1 & emp; 2	217.8 MM BTU/HR	GOOD COMBUSTION PRACTICES P	1.94 LB/H	BACT-PSD
MA-0037	CENTRAL HEATING PLANT; AMHERST CAM	HAMPSHIRE	MA	050-026-MA11	10/29/08	08/17/10	BOILERS	162 MMBTU/H		0.07 LB/MMBTU	BACT-PSD
MI-0389	KARN WESTOCK GENERATING COMPLEX	BAY	MI	341-07	7/29/2008 Revised AC	12/16/10	BOILER	8190 MMBTU/H	FABRIC FILTER, HYDRATED LIME IN	0.024 LB/MMBTU	BACT-PSD
*MS-0092	EMBER CLEAR GTL MS	ADAMS	MS	0040-00055	05/08/14	01/15/15	261 MMBtu/h natrual gas-fired boiler,	261 MMBTU/H		1.31 LB/H	BACT-PSD
*MS-0092	EMBER CLEAR GTL MS	ADAMS	MS	0040-00055	05/03/14	01/15/15	261 MMBtu/h natrual gas-fired boiler,	261 MMBTU/H		1.31 LB/H	BACT-PSD
*MS-0092	EMBER CLEAR GTL MS	ADAMS	MS	0040-00055	05/03/14	01/15/15	261 MMBtu/h natrual gas-fired boiler,	261 MMBTU/H		1.31 LB/H	BACT-PSD
*NE-0059	AGP SOY	ADAMS	NE	CP14-007	03/25/13	08/18/15	Boiler #1	200 MMBTU/H		0.0074 LB/MMBTU	BACT-PSD
*NE-0059	AGP SOY	ADAMS	NE	CP14-007	03/25/13	08/18/15	Boiler #2	200 MMBTU/H		0.0074 LB/MMBTU	BACT-PSD
OH-0336	CAMPBELL SOUP COMPANY	HENRY	OH	P0106678	12/14/10	10/13/11	Boilers (3)	0		0.01 LB/MMBTU	OTHER CASE-BY-CASE
*OH-0394	KRATON POLYMERS U.S. LLC	WASHINGTON	OH	P0108833	01/16/13	05/04/16	Two 249 MMBtu/h boilers	249 MMBtu/H		19.96 T/YR	N/A
*TN-0162	JOHNSONVILLE COGENERATION	HUMPHREYS	TN	970816P	04/18/10	05/19/16	Two Natural Gas-Fired Auxiliary Boiler	450 MMBtu/hr	Good combustion design and pract	0.006 LB/MMBTU	BACT-PSD
TX-0639	SANDY CREEK ENERGY STATION	MCLENNAN	TX	50-TX 1039 AND 70862	07/24/06	11/08/07	AUXILIARY BOILER	178 MMBTU/H		0.88 LB/H	BACT-PSD
*TX-0841	PINECREST ENERGY CENTER	ANGELINA	TX	PSDTX1298	11/12/13	11/21/13	Auxiliary boiler	150 MMBTU/H	pipeline quality natural gas and goo	1.14 LB/H	BACT-PSD
*TX-0705	LA PALOMA ENERGY CENTER	CAMERON	TX	101542 PSDTX1288	02/07/13	06/03/14	boiler	150 MMBTU/H	0		BACT-PSD
*WV-0025	MOUNDSVILLE COMBINED CYCLE POWER	MARSHALL	WV	R14-0060	11/21/14	09/30/15	Auxiliary Boiler	100 mmBtu/hr	Use of Natural Gas & Good Combu	0.5 LB/H	BACT-PSD

Table C-11. RBLC Database H_2SO_4 Emissions Query Results – Boilers 100MMBtu/hr < X < 250 MMBtu/hr

RDLID	FACILITY NAME	COUNTY	STATE	PERMIT NUMBER	PERMIT ISSUANCE DATE	DATE DETERMINATION LAST UPDATED	PROCESS	THROUGHPUT	CONTROL METHOD	EMISSIONS LIMIT	BASIS
MI-0159	STARN WEADOCK GENERATING COMPLEX	BAY	MI	341-07	12/29/2009	12/16/10	BOILER	8190 MMBTU/H	HYDRATED LIME INJECTION AND W	0.004 LB/MMBTU	BACT-PSD

Source: EPA RBLC, queried May 2018

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Table C-12. RBLC Database NOx Emissions Query Results - Small Boilers & Heaters (<100 MMBtu/hr)

RBLID	FACILITY NAME	COUNTY	STATE	PERMIT NUMBER	PERMIT ISSUANCE DATE	DATE DETERMINATION LAST UPDATED	PROCESS NAME	THROUGHPUT		CONTROL METHOD	EMISSION LIMIT		CASE
AK-0071	INTERNATIONAL STATION POWER PLANT	MUNICIPALITY OF ANCHORAGE	AK	A0016442PT01	12/28/2010	03/27/12	Sigma Thermal Auxiliary Heater (1)	12.5	MMBTU/H	Low NOx Burners and Flue Gas Recirculation	22	LB/MMSCF	BACT-PSD
AK-0081	KENAI NITROGEN OPERATIONS	KENAI	AK	A0008 3CPT08	1/06/2015	01/19/18	Startup Heater	101	MMBTU/H	Limited Use (200 hr/yr)	0.098	LB/MMBTU	BACT-PSD
AL-0238	THYSSENKRUPP STEEL AND STAINLESS USA, LLC	MOBILE	AL	4095-X001 THRU 3	4/17/2007	11/15/13	NATURAL GAS-FIRED BATCH ANNEALING FURNACES (LA03, LA04)	33.4	MMBTU each	UNLB WITH SCR	0.11	LB/MMBTU	BACT-PSD
AL-0238	THYSSENKRUPP STEEL AND STAINLESS USA, LLC	MOBILE	AL	4095-X001 THRU 3	4/17/2007	11/15/13	NATURAL GAS-FIRED PACKING ANNEALING FURNACE (LD01)	27.2	MMBTU/H	ULTRA LOW NOX BURNERS (ULNB) WITH EXHAUST	0.11	LB/MMBTU	BACT-PSD
AL-0238	THYSSENKRUPP STEEL AND STAINLESS USA, LLC	MOBILE	AL	4095-X001 THRU 3	4/17/2007	11/15/13	NATURAL GAS-FIRED REHEAT FURNACE (LA21) (MULTIPLE EMISSION POINTS)	169	MMBTU/H		0.085	LB/MMBTU	BACT-PSD
AL-0238	THYSSENKRUPP STEEL AND STAINLESS USA, LLC	MOBILE	AL	4095-X001 THRU 3	4/17/2007	11/15/13	NATURAL GAS-FIRED REHEAT FURNACE (LA21) (MULTIPLE EMISSION POINTS)	169	MMBTU/H	UNLB WITH SCR	0.11	LB/MMBTU	BACT-PSD
AL-0238	THYSSENKRUPP STEEL AND STAINLESS USA, LLC	MOBILE	AL	4095-X001 THRU 3	4/17/2007	11/15/13	NATURAL GAS-FIRED REHEAT FURNACE (LA21) (MULTIPLE EMISSION POINTS)	169	MMBTU/H	ULTRA LOW NOX AND LOW NOX BURNERS	0.083	LB/MMBTU	BACT-PSD
AL-0238	THYSSENKRUPP STEEL AND STAINLESS USA, LLC	MOBILE	AL	4095-X001 THRU 3	4/17/2007	11/15/13	NATURAL GAS-FIRED REHEAT FURNACE (LA21) (MULTIPLE EMISSION POINTS)	169	MMBTU/H	SCR	150	PPMVD	BACT-PSD
AL-0238	THYSSENKRUPP STEEL AND STAINLESS USA, LLC	MOBILE	AL	4095-X001 THRU 3	4/17/2007	11/15/13	NATURAL GAS-FIRED BATCH ANNEALING FURNACE (LB1)	99	MMBTU/H	ULTRA LOW NOX BURNERS	0.11	LB/MMBTU	BACT-PSD
AL-0251	MUSCLE SHOALS LLC	MORGAN	AL	712-0057	9/12/2007	06/21/09	GALVANIZING LINE FURNACE	96.7	MMBTU/H	SCR/NBLB	0.047	LB/MMBTU	BACT-PSD
*AL-0287	ALLOYS PLANT	COLBERT	AL	701-0007-X123-113	05/29/2015	04/14/16	TWO HARDENING FURNACES	4.15	LB/MMBTU	LOW NOX BURNER	0.07	LB/MMBTU	BACT-PSD
*AL-0287	ALLOYS PLANT	COLBERT	AL	701-0007-X123-113	05/29/2015	04/14/16	ANNEALING FURNACE	8.3	MMBTU/H	LOW NOX BURNER	0.08	LB/MMBTU	BACT-PSD
*AL-0287	ALLOYS PLANT	COLBERT	AL	701-0007-X123-113	05/29/2015	04/14/16	TWO HEAT TREAT FURNACES	23.45	MMBTU/H	LOW NOX BURNERS	0.08	LB/MMBTU	BACT-PSD
AR-0043	NUCOR STEEL, ARKANSAS	MISSISSIPPI	AR	1139-AOP-R0	4/06/2006	04/16/12	ANNEALING FURNACES (AN-6)	4.8	LB/MMBTU	LOW NOX BURNERS	0.3	LB/H	BACT-PSD
CA-1190	PETROMODE - TUNNELL LEASE	SANTA BARBARA	CA	ATC-17848-01 (1)	12/4/2012	09/04/12	heater	3	MMBTU/H	Low NOx burner	33	PPMVD@15% O	OTHER CASE-BY-CASE
CA-1191	VICTORVILLE 2 HYBRID POWER PROJECT	SAN BERNARDINO	CA	SE 07-02	1/11/2010	01/19/14	AUXILIARY HEATER	40	MMBTU/H	OPERATIONAL RESTRICTION OF 1800 HR/YR	8	PPMVD	BACT-PSD
DE-0039	VALERO DELAWARE CITY REFINERY	NEW CASTLE	DE	ACM-005/00016	1/24/2008	06/07/10	CRUDE UNIT ATMOSPHERIC HEATER 21-H-701	245	MMBTU/H	SCR	0.04	LB/MMBTU	BACT
DE-0039	VALERO DELAWARE CITY REFINERY	NEW CASTLE	DE	ACM-005/00016	1/24/2008	06/07/10	CRUDE UNIT VACUUM HEATER 21-H-2	245	MMBTU/H	SCR	0.04	LB/MMBTU	BACT
*FL-0156	OKEECHOBEE CLEAN ENERGY CENTER	OKEECHOBEE	FL	0279137-001-AC	1/08/2016	05/19/16	Two natural gas heaters	10	MMBtu/hr	Must have NOx emission design value less than 0.1	0.1	LB/MMBTU	BACT-PSD
GA-0138	KIA MOTORS MANUFACTURING GEORGIA	TROUP	GA	711-289-0084-P-01	12/17/2007	10/17/08	BOILERS AND HEATERS			LOW NOX BURNERS ON BOILER BURNERS	30	PPM @ 3%O2	BACT-PSD
*IA-0107	MARSHALLTOWN GENERATING STATION	MARSHALL	IA	19-A-499-P	4/14/2014	05/04/16	dew point heater	12.32	mmBtu/hr		0.015	LB/MMBTU	BACT-PSD
LA-0284	PLACID NAPHTHA PVC PLANT	NEW ELLIS	LA	PSD-LA-709(M-3)	7/27/2009	06/06/09	CRACKING FURNACES A-D	90	MMBTU/H EA	LOW NOX BURNERS AND SELECTIVE CATALYTIC RED	0.009	LB/MMBTU	BACT-PSD
LA-0279	SHELL CHEMICAL PLANT	NEW ELLIS	LA	PSD-LA-731	7/10/2008	04/29/09	(10)27-E-01115 - FOUR VOM CRACKING FURNACES	99	MMBTU/H	LOW NOX BURNERS (LNB) IN COMBINATION WITH S	0.003	LB/MMBTU	BACT-PSD
LA-0231	LAKE CHARLES GASIFICATION FACILITY	CALCASIEU	LA	PSD-LA-743	4/27/2009	09/17/10	SHIFT REACTOR STARTUP HEATER	34.2	MMBTU/H	GOOD DESIGN AND PROPER OPERATION	2.23	LB/H	BACT-PSD
LA-0231	LAKE CHARLES GASIFICATION FACILITY	CALCASIEU	LA	PSD-LA-743	4/22/2009	09/17/10	SASPREM STARTUP PREHEATER BURNERS (5)	55	MMBTU/H	GOOD DESIGN AND PROPER OPERATION	2.83	LB/H	BACT-PSD
LA-0244	LAKE CHARLES CHEMICAL COMPLEX - LAB UNIT	CALCASIEU	LA	PSD-LA-791(M1)	12/29/2010	07/06/11	TQ10027 - PACOL CHARGE HEATER H-201	37.3	MMBTU/H	Low NOX Burners	7.33	LB/H	BACT-PSD
LA-0244	LAKE CHARLES CHEMICAL COMPLEX - LAB UNIT	CALCASIEU	LA	PSD-LA-791(M1)	12/29/2010	07/06/11	TQ10028 - PACOL STARTUP HEATER H-202	21	MMBTU/H	low nox burners	2.71	LB/H	BACT-PSD
LA-0244	LAKE CHARLES CHEMICAL COMPLEX - LAB UNIT	CALCASIEU	LA	PSD-LA-791(M3)	12/8/2010	07/06/11	TQ10029 - HOT OIL Heater H-601	170	MMBTU/H	low nox burners	19.89	LB/H	BACT-PSD
*LA-0272	AMMONIA PRODUCTION FACILITY	JEFFERSON	LA	PSD-LA-758	1/23/2013	05/04/16	PRIMARY REFORMER FURNACE (101-B)	954.3	MM BTU/HR	SELECTIVE CATALYTIC REDUCTION (SCR) AND LOW N	18.13	LB/H	BACT-PSD
*LA-0272	AMMONIA PRODUCTION FACILITY	JEFFERSON	LA	PSD-LA-758	1/23/2013	05/04/16	AMMONIA START-UP HEATER (101-R)	34.4	MM BTU/HR	GOOD COMBUSTION PRACTICES FROM FLEXSIM O	14.48	LB/H	BACT-PSD
MD-0074	DOW PACK	CALVERT	MD	CPCN PO33	3/16/2006	05/07/07	FULL GAS PROCESS HEATER			GOOD COMBUSTION PRACTICES AND DRY LNB	17	PPMVD	LAER
MD-0040	EPV ST CHARLES	CHARLES	MD	CPCN CASE NO. 9137	1/12/2006	02/20/09	HEATER	1.7	MMBTU/H		0.3	LB/MMBTU	BACT-PSD
*MD-0041	EPV ST. CHARLES	CHARLES	MD	PSC CASE NO. 9280	4/23/2014	05/16/16	FUEL GAS HEATER	9.5	MMBTU/H	USE OF PIPELINE QUALITY NATURAL GAS AND GOOD	0.025	LB/MMBTU	LAER
*MD-0042	WILDCAT POINT GENERATION FACILITY	CECIL	MD	CPCN CASE NO. 9327	4/08/2014	05/16/16	DEW POINT HEATER	5	MMBTU/H	USE OF EFFICIENT DESIGN OF THE HEATER, INCLUDI	0.049	LB/MMBTU	LAER
*MD-0043	MATTAWOMAN ENERGY CENTER	PRINCE GEORGE'S	MD	PSC CASE NO. 9330	1/23/2015	05/16/16	FUEL GAS HEATER	10.8	MMBTU/H	USE OF PIPELINE QUALITY NATURAL GAS AND GOOD	0.015	LB/MMBTU	BACT-PSD
*MN-0191	RAY COMPRESSOR STATION	MISCOWE	MN	709-08	8/14/2010	05/25/16	Pipeline heaters	18	MMBTU/H	Low NOx burners	0.8	LB/H	BACT-PSD
*MN-0010	THETFORD GENERATING STATION	BENTSEN	MN	191-12	7/25/2013	05/04/16	RG-REHEATER: 2 natural gas fired sample cycle combustion turbines	171	MMBTU/H	Dry low-NOx combustors	0.09	LB/MMBTU	BACT-PSD
*MN-0010	THETFORD GENERATING STATION	BENTSEN	MN	191-12	7/25/2013	05/04/16	RB-PUMPHTR: 2 natural gas fuel heaters, 12 MMBTU/H each	17	heat input each	Low NOx burners	0.06	LB/MMBTU	BACT-PSD
*MN-0018	LAND BOARD OF PUBLIC WORKS - EAST 5TH STR	OTTAWA	MN	107-13	3/04/2013	05/05/16	Fuel gas heater (TUFUELHTR)	3.7	MMBTU/H	Good combustion practices.	0.15	LB/H	BACT-PSD
MN-0070	MINNESOTA STEEL INDUSTRIES, LLC	ITASCA	MN	0410003-001	9/07/2007	10/10/08	PROCESS HEATERS	808	MMBTU/H		0.04	LB/MMBTU	BACT-PSD
MN-0070	MINNESOTA STEEL INDUSTRIES, LLC	ITASCA	MN	0410003-001	9/07/2007	10/10/08	SMALL BOILERS & HEATERS(<10 MMBTU/H)	98	MMBTU/H		0.0075	LB/MMBTU	BACT-PSD
NE-0041	NATURENORTH, LLC	WASHINGTON	NE	CP07-0018	4/29/2008	05/21/08	HOT OIL HEATER	75	MMBTU/H	LOW-NOX BURNERS & FGR	0		BACT-PSD
NV-0047	NELLIS AIR FORCE BASE	CLARK	NV	134	7/24/2008	10/21/08	BOILERS/HEATERS - NATURAL GAS-FIRED			LOW-NOX BURNER AND FLUE GAS RECIRCULATION	0.03	LB/MMBTU	Other Case-by-Case
NV-0047	NELLIS AIR FORCE BASE	CLARK	NV	134	7/24/2008	10/21/08	BOILERS/HEATERS - DIESEL FIRED			LOW-NOX BURNER	0.14	LB/MMBTU	BACT-PSD
NV-0050	MESA GARAGE	CLARK	NV	873	1/30/2009	03/19/10	WATER HEATERS - UNITS HY007 AND HY008 AT NEW YORK - NEW YORK	3	MMBTU/H	LOW-NOX BURNERS AND GOOD COMBUSTION PRA	0.015	LB/MMBTU	Other Case-by-Case
*OH-0190	REPUBLIC STEEL	LORAIN	OH	P0108191	7/18/2013	05/04/16	Electric Arc Furnace	130	T/H		0.8	LB/T	N/A
*OH-0135	CENTRAL ELECTRIC AVIATION, EVENDALE PLANT	HAMILTON	OH	P0112127	5/07/2013	05/04/16	4 Indirect-Fired Air Preheaters	8			0.14	LB/MMBTU	LAER
OH-0179	MID AMERICAN STEEL ROLLING MILL	MARSHALL	OH	0313-106-CN-1) PS	9/08/2008	03/17/10	Electric Arc Furnaces	90	ons per hour		0.8	LB/T SCRAP	
OH-0129	CHOUTEAU POWER PLANT	MAYES	OK	2097-119-CNA-1995	1/23/2009	02/18/10	FUEL GAS HEATER (H20 BATH)	18.9	MMBTU/H		3.7	LB/H	BACT-PSD
OH-0134	PRYOR PLANT CHEMICAL	MAYES	OK	2008-108-C PSD	1/23/2008	08/20/13	Nitric Acid Preheaters No. 3 (TU 401, EUO 4)	70	MMBTU/H	Low NOx burners/good combustion practices	0.08	LB/H	BACT-PSD
OH-0135	PRYOR PLANT CHEMICAL	MAYES	OK	2008-100-C PSD	1/23/2008	02/16/10	NITRIC ACID PREHEATERS #1, #3, AND #4	76	MMBTU/H	LOW-NOX BURNERS AND GOOD COMBUSTION PRAC	0.06	LB/H	BACT-PSD
OH-0136	PONCA CITY REFINERY	KAY	OK	2007-042-C PSD	7/09/2009	02/18/10	NH-3 NEW NO. 4 CTU VACUUM HEATER	45	MMBTU/H	ULTRA-LOW NOX BURNERS, 0.03 LB/MMBTU	1.39	LB/H	BACT-PSD
OH-0136	PONCA CITY REFINERY	KAY	OK	2007-042-C PSD	7/09/2009	02/18/10	NH-4 NEW NO. 4 CTU CRUDE HEATER	125	MMBTU/H	ULTRA-LOW NOX BURNERS, 0.03 LB/MMBTU	3.75	LB/H	BACT-PSD
OH-0136	PONCA CITY REFINERY	KAY	OK	2007-042-C PSD	7/09/2009	02/18/10	NH-6 NEW NO. 1 CTU TAR STRIPPER HEATER	98	MMBTU/H	ULTRA-LOW NOX BURNERS, 0.03 LB/MMBTU	2.94	LB/H	BACT-PSD
*OH-0151	ROSE VALLEY PLANT	WOODS	OK	2012-1183-C PSD	1/01/2013	04/19/16	REGENERATION HEATERS	5.01	MMBTU/H	LOW-NOX BURNERS	0.045	LB/MMBTU	BACT-PSD
*OH-0151	ROSE VALLEY PLANT	WOODS	OK	2012-1183-C PSD	1/01/2013	04/19/16	HOT OIL HEATER	17.4	MMBTU/H	LOW-NOX BURNERS.	0.045	LB/MMBTU	BACT-PSD
PA-0242	CARPENTER TECH CORP	BERKS	PA	06-05007D	6/01/2007	12/17/08	REHEATING FURNACES (8)				9.6	LB/H	Other Case-by-Case
PA-0242	CARPENTER TECH CORP	BERKS	PA	06-05007D	6/01/2007	12/17/08	ANNEALING FURNACES (6)				3.3	LB/H	Other Case-by-Case
*PA-0298	BARE HOLLOW ENERGY AYDOC LLC/DATTI LAUNT	BERKS	PA	06-05150A	1/17/2013	05/04/16	Fuel Preheater	8.8	MMBTU/H		0.025	LB/MMBTU	OTHER CASE-BY-CASE
SC-0112	NUCOR STEEL - BERKELEY	BERKELEY	SC	0470-0080-DO	1/05/2008	10/10/13	TUNNEL FURNACE BURNERS	18	MMBTU/H	LOW NOX BURNERS	0.1	LB/MMBTU	BACT-PSD
SC-0114	GP ALLENDALE LP	ALLENDALE	SC	0140-0070-CB	1/25/2008	10/16/13	NATURAL GAS SPACE HEATERS - 14 UNITS (ID 18)	20.89	MMBTU/H		1.46	LB/H	BACT-PSD
SC-0114	GP ALLENDALE LP	ALLENDALE	SC	0140-0070-CB	1/25/2008	10/16/13	134 MILLION BTU/HR WOOD FIRED FURNACE #1	134	MMBTU/H	NOX EMISSIONS CONTROLLED THROUGH A COMBIN	119.28	LB/H	BACT-PSD
SC-0114	GP ALLENDALE LP	ALLENDALE	SC	0140-0070-CB	1/25/2008	10/16/13	134 MILLION BTU/HR WOOD FIRED FURNACE #2	134	MMBTU/H	NOX EMISSIONS CONTROLLED THROUGH A COMBIN	119.28	LB/H	BACT-PSD
SC-0114	GP ALLENDALE LP	ALLENDALE	SC	0140-0070-CB	1/25/2008	10/16/13	75 MILLION BTU/HR BACKUP THERMAL OIL HEATER	75	MMBTU/H	LOW NOX BURNERS WILL BE USED AS CONTROLS FO	3.37	LB/H	BACT-PSD
SC-0114	GP ALLENDALE LP	ALLENDALE	SC	0140-0070-CB	1/25/2008	10/16/13	ROTARY FLAKE DRYER #1	95000	LB/H OVEN DR	NOX EMISSIONS CONTROLLED THROUGH A COMBIN	119.28	LB/H	BACT-PSD
SC-0114	GP ALLENDALE LP	ALLENDALE	SC	0140-0070-CB	1/25/2008	10/16/13	ROTARY FLAKE DRYER #2	95000	LB/H OVEN DR	NOX EMISSIONS CONTROLLED THROUGH A COMBIN	119.28	LB/H	BACT-PSD
SC-0114	GP ALLENDALE LP	ALLENDALE	SC	0140-0070-CB	1/25/2008	10/16/13	ROTARY FINES DRYER	79000	LB/H OVEN DR	NOX EMISSIONS CONTROLLED THROUGH A COMBIN	119.28	LB/H	BACT-PSD
SC-0115	GP CLARENDON LP	CLARENDON	SC	0440-0046-CB	7/10/2009	10/16/13	134 MILLION BTU/HR WOOD FIRED FURNACE #2	134	MMBTU/H	NOX EMISSIONS CONTROLLED THROUGH A COMBIN	119.28	LB/H	BACT-PSD
SC-0115	GP CLARENDON LP	CLARENDON	SC	0440-0046-CB	7/10/2009	10/16/13	197 MILLION BTU/HR WOOD FIRED FURNACE	197	MMBTU/H	NOX EMISSIONS CONTROLLED THROUGH A COMBIN	119.28	LB/H	BACT-PSD
SC-0115	GP CLARENDON LP	CLARENDON	SC	0440-0046-CB	7/10/2009	10/16/13	75 MILLION BTU/HR BACKUP THERMAL OIL HEATER	75	MMBTU/H	THE USE OF LOW NOX BURNERS WILL BE USED AS C	3.37	LB/H	BACT-PSD
SC-0115	GP CLARENDON LP	CLARENDON	SC	0440-0046-CB	7/10/2009	10/16/13	ROTARY FLAKE DRYER #1	95000	OVEN DRYER	NOX EMISSIONS CONTROLLED THROUGH A COMBIN	119.28	LB/H	BACT-PSD
SC-0115	GP CLARENDON LP	CLARENDON	SC	0440-0046-CB	7/10/2009	10/16/13	ROTARY FLAKE DRYER #2	95000	LB/H OVEN DR	NOX EMISSIONS CONTROLLED THROUGH A COMBIN	119.28	LB/H	BACT-PSD
SC-0115	GP CLARENDON LP	CLARENDON	SC	0440-0046-CB	7/10/2009	10/16/13	ROTARY FINES DRYER	79000	LB/H OVEN DR	NOX EMISSIONS CONTROLLED THROUGH A COMBIN	119.28	LB/H	BACT-PSD
SC-0115	GP CLARENDON LP	CLARENDON	SC	0440-0046-CB	7/10/2009	10/16/13	NATURAL GAS SPACE HEATERS - 14 UNITS (ID 17)	20.89	MMBTU/H		1.46	LB/H	BACT-PSD
SC-0115	GP CLARENDON LP	CLARENDON	SC	0440-0046-CB	7/10/2009	10/16/13	134 MILLION BTU/HR WOOD FIRED FURNACE #1	134	MMBTU/H	NOX EMISSIONS CONTROLLED THROUGH A COMBIN	119.28	LB/H	BACT-PSD

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Table C.13. RBLC Database NOx Emissions Query Results - Small Boilers & Heaters (<100 MMBtu/hr)

RBLCID	FACILITY NAME	COUNTY	STATE	PERMIT NUMBER	PERMIT ISSUANCE DATE	DATE DETERMINATION LAST UPDATED	PROCESS NAME	THROUGHPUT		CONTROL METHOD	EMISSIONS LIMIT		DATA
TX-0801	TEXSTAR GAS PROCESS FACILITY	HENDERSON COUNTY	TX	D-TX 35443 AND 60	7/11/2006	8/08/2011	TURBINE EXHAUST DUCT BURNER (3)				4.41	LB/H	BACT-PSD
TX-0581	TEXSTAR GAS PROCESS FACILITY	HENDERSON COUNTY	TX	D-TX 35443 AND 60	7/11/2006	8/08/2011	BOTTOM HEATERS (2)	16	MMBTU/H		3.41	LB/H	BACT-PSD
*TX-0938	GAS TO GASOLINE PLANT	JEFFERSON	TX	PSDTX1348 AND 1077	4/16/2014	8/08/2014	Heaters	45	MMBTU/H	ultra low NOx burners	0.036	LB/MMBTU	BACT-PSD
*TX-0936	GAS TO GASOLINE PLANT	JEFFERSON	TX	PSDTX1348 AND 1077	4/16/2014	8/08/2014	Heaters (5)	24.8	MMBTU/H	ultra low NOx burners	0.036	LB/MMBTU	BACT-PSD
*TX-0843	JACKSON COUNTY GAS PLANT	JACKSON	TX	PSDTX1264	5/15/2012	8/08/2014	Heaters	17	MMBTU/H		8		BACT-PSD
*TX-0841	JACKSON COUNTY GAS PLANT	JACKSON	TX	PSDTX1264	5/15/2012	8/08/2014	Heaters	48	MMBTU/H	Flue Gas Recirculation	7.82	TON	BACT-PSD
*TX-0843	JACKSON COUNTY GAS PLANT	JACKSON	TX	PSDTX1264	5/15/2012	08/15/14	Heaters	16	MMBTU/H	Flue Gas Recirculation	0		BACT-PSD
*TX-0842	JACKSON COUNTY GAS PLANT	JACKSON	TX	PSDTX1264	5/15/2012	09/20/14	Heaters	8	MMBTU/H	Flue Gas recirculation	8		BACT-PSD
*TX-0809	SONORA GAS PLANT	UPTON	TX	106139 PSDTX1316	4/14/2013	01/07/15	Heater	10	MMBTU/H	low-NOx burners	0.01	LB/MMBTU	BACT-PSD
*TX-0980	SONORA GAS PLANT	UPTON	TX	106139 PSDTX1316	4/14/2013	03/09/15	3 Heaters	8	MMBTU/H		0.1	LB/MMBTU	BACT-PSD
*TX-0891	PH ROBINSON ELECTRIC GENERATING STATION	GALVESTON	TX	100182 PSDTX1146	5/30/2014	01/08/16	Fuel gas heater	18	MMBTU/H		0.1	LB/MMBTU	BACT-PSD
*TX-0953	ANTELOPE ELK ENERGY CENTER	HALE	TX	107148 PSDTX1358	4/23/2014	8/08/2016	Heater	5.5	MMBTU/H		0.036	LB/MMBTU	BACT-PSD
*TX-0886	MIDCOE WHARTON ENERGY CENTER	WHARTON	TX	111724 PSDTX1374	1/21/2015	8/08/2016	Heater	8	MMBTU/H		0.1	LB/MMBTU	BACT-PSD
*TX-0954	RANGER GAS PLANT	BROWN	TX	5 AND PSDTX1392	5/13/2015	06/03/15	Hot Oil Heaters and Regeneration Heaters	80	MMBTU/H	low NOx burners	0.04	LB/MMBTU	BACT-PSD
WY-0098	MEDICINE BOW IGL PLANT	CARBON	WY	CT-3873	1/04/2009	8/08/2011	GASIFICATION PREHEATER 2	21	MMBTU/H	LOW NOX BURNERS	0.05	LB/MMBTU	BACT-PSD
WY-0098	MEDICINE BOW IGL PLANT	CARBON	WY	CT-3873	1/04/2009	8/08/2011	GASIFICATION PREHEATER 3	21	MMBTU/H	LOW NOX BURNERS	0.05	LB/MMBTU	BACT-PSD
WY-0098	MEDICINE BOW IGL PLANT	CARBON	WY	CT-3873	1/04/2009	8/08/2011	GASIFICATION PREHEATER 4	21	MMBTU/H	LOW NOX BURNERS	0.05	LB/MMBTU	BACT-PSD
WY-0098	MEDICINE BOW IGL PLANT	CARBON	WY	CT-3873	1/04/2009	8/08/2011	GASIFICATION PREHEATER 5	21	MMBTU/H	LOW NOX BURNERS	0.05	LB/MMBTU	BACT-PSD
WY-0098	MEDICINE BOW IGL PLANT	CARBON	WY	CT-3873	1/04/2009	8/08/2011	REACTIVATION HEATER	12.45	MMBTU/H	LOW NOX BURNERS	0.05	LB/MMBTU	BACT-PSD
WY-0098	MEDICINE BOW IGL PLANT	CARBON	WY	CT-3873	1/04/2009	8/08/2011	HOT REACTOR CHARGE HEATER	2.23	MMBTU/H	LOW NOX BURNERS	0.05	LB/MMBTU	BACT-PSD
WY-0098	MEDICINE BOW IGL PLANT	CARBON	WY	CT-3873	1/04/2009	8/08/2011	GASIFICATION PREHEATER 1	21	MMBTU/H	LOW NOX BURNERS	0.05	LB/MMBTU	BACT-PSD
WY-0067	ECHO SPRINGS GAS PLANT	CARBON	WY	MD-7827	4/01/2009	8/08/2011	HOT OIL HEATER 528	84	MMBTU/H	LOW NOX BURNERS WITH FLUE GAS RECIRCULATION	0.05	LB/MMBTU	BACT-PSD
*WY-0070	CHEYENNE PRAIRIE GENERATING STATION	LARAMIE	WY	CT-12636	3/28/2012	8/08/2011	Inlet Air Heater (EP06)	16.1	MMBTU/H	Ultra Low-NOx Burners	0.013	LB/MMBTU	BACT-PSD
*WY-0070	CHEYENNE PRAIRIE GENERATING STATION	LARAMIE	WY	CT-12636	3/28/2012	8/08/2011	Inlet Air Heater (EP07)	16.1	MMBTU/H	Ultra Low NOx Burners	0.013	LB/MMBTU	BACT-PSD
*WY-0070	CHEYENNE PRAIRIE GENERATING STATION	LARAMIE	WY	CT-12636	3/28/2012	8/08/2011	Inlet Air Heater (EP08)	16.1	MMBTU/H	Ultra Low NOx Burners	0.013	LB/MMBTU	BACT-PSD
*WY-0070	CHEYENNE PRAIRIE GENERATING STATION	LARAMIE	WY	CT-12636	3/28/2012	8/08/2011	Inlet Air Heater (EP09)	16.1	MMBTU/H	Ultra Low NOx Burners	0.013	LB/MMBTU	BACT-PSD
*WY-0070	CHEYENNE PRAIRIE GENERATING STATION	LARAMIE	WY	CT-12636	3/28/2012	8/08/2011	Inlet Air Heater (EP10)	16.1	MMBTU/H	Ultra Low NOx Burners	0.013	LB/MMBTU	BACT-PSD
*WY-0070	CHEYENNE PRAIRIE GENERATING STATION	LARAMIE	WY	CT-12636	3/28/2012	8/08/2011	Inlet Air Heater (EP11)	16.1	MMBTU/H	Ultra Low NOx Burners	0.013	LB/MMBTU	BACT-PSD

Source: EPA RBLC, queried May 2016

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Table 0-13. RBLC Database CO Emissions Query Results - Small Boilers & Heaters (< 100 MMBtu/hr)

RBLID	FACILITY NAME	FACILITY COUNTY	STATE	PERMIT NUMBER	PERMIT ISSUANCE DATE	DATE DETERMINATION LAST UPDATED	PROCESS NAME	THROUGHPUT		CONTROL METHOD	EMISSION LIMIT 1		BACT
AA-0071	AIRMAI NITROGEN OPERATIONS	USA	AA	AQ000 PCPT06	01/06/15	02/19/16	Starters Heater	101	MMBTU/H	Limitine Use (300 hr/yr)	0.082	LB/MMBTU	BACT-PSD
AL-0230	NYT 'ZIN KUPP STEEL AND STAINLESS USA, LLC	MOBILE	AL	-0095-X001 THRU X	05/17/07	11/15/13	NATURAL GAS-FIRED BATCH ANNEALING FURNACES (LA68, LA84)	83.4	MMBTU each		0.09	LB/MMBTU	BACT-PSD
AL-0230	NYT 'ZIN KUPP STEEL AND STAINLESS USA, LLC	MOBILE	AL	-0095-X001 THRU X	05/17/07	11/15/13	NATURAL GAS-FIRED PASSIVE ANNEALING FURNACE (LD41)	37.3	MMBTU/H		0.03	LB/MMBTU	BACT-PSD
AL-0230	NYT 'ZIN KUPP STEEL AND STAINLESS USA, LLC	MOBILE	AL	-0095-X001 THRU X	05/17/07	11/15/13	NATURAL GAS-FIRED REHEAT FURNACE (LA21) (MULTIPLE EMISSION POIN	169	MMBTU/H		0.075	LB/T	BACT-PSD
AL-0230	NYT 'ZIN KUPP STEEL AND STAINLESS USA, LLC	MOBILE	AL	-0095-X001 THRU X	05/17/07	11/15/13	NATURAL GAS-FIRED REHEAT FURNACE (LA21) (MULTIPLE EMISSION POIN	169	MMBTU/H		0.075	LB/MMBTU	BACT-PSD
AL-0230	NYT 'ZIN KUPP STEEL AND STAINLESS USA, LLC	MOBILE	AL	-0095-X001 THRU X	05/17/07	11/15/13	NATURAL GAS-FIRED REHEAT FURNACE (LA21) (MULTIPLE EMISSION POIN	169	MMBTU/H		0.09	LB/MMBTU	BACT-PSD
AL-0230	NYT 'ZIN KUPP STEEL AND STAINLESS USA, LLC	MOBILE	AL	-0095-X001 THRU X	05/17/07	11/15/13	NATURAL GAS-FIRED BATCH ANNEALING FURNACE (S35)	99	MMBTU/H		0.09	LB/MMBTU	BACT-PSD
AL-0271	NUCOR DECATUR LLC	MORGAN	AL	712-0017	01/13/07	08/31/09	GALVANIZING LINE FURNACE	90.7	MMBTU/H		0.084	LB/MMBTU	BACT-PSD
*AL-0307	ALLOYS PLANT	COLBERT	AL	701-0037-X121-X12	10/09/15	04/14/16	TWO HARDENING FURNACES	4.13	LB/MMBTU	GCP	0		BACT-PSD
*AL-0307	ALLOYS PLANT	COLBERT	AL	701-0037-X121-X12	10/09/15	04/14/16	ANNEALING FURNACE	8.8	MMBTU/H	GCP	0		BACT-PSD
*AL-0307	ALLOYS PLANT	COLBERT	AL	701-0037-X121-X12	10/09/15	04/14/16	TWO HEAT TREAT FURNACES	25.45	MMBTU/H	GCP	0.07	LB/MMBTU	BACT-PSD
AR-0090	NUCOR STEEL ARKANSAS	MISSISSIPPI	AR	1193-AOP-R6	04/05/06	04/26/12	ANNEALING FURNACES SN-61	4.8	LB/MMBTU	GOOD COMBUSTION PRACTICE	3.3	LB/H	BACT-PSD
CA-1191	VICTORVILLE 2 HYBRID POWER PROJECT	SAN BERNARDINO	CA	SE 07-02	03/11/10	01/15/14	AUXILIARY HEATER	40	MMBTU/H	OPERATIONAL RESTRICTION OF 1000 HR/YR	30	PPMVD	BACT-PSD
FL-0271	PROGRESS BARTOW POWER PLANT	PINELLAS	FL	301 AND 1090051	01/24/07	04/13/08	FIVE 8 MM BTU/HR GASEOUS-FUELED PROCESS HEATERS	3	MMBTU/H		0.08	LB/MMBTU	BACT-PSD
*IA-0[illegible]	[illegible] NITRATE, [illegible]	WOODBURY	IA	PN 1[illegible]	07/[illegible]	[illegible]	Startup Heater	[illegible]	MMBTU/H	good operating practices & use of natural gas	[illegible]	LB/MMBTU	BACT-PSD
*IA-0107	MARSHALLTOWN GENERATING STATION	MARSHALL	IA	18-A-499-P	04/14/14	08/04/16	dew point heater	18.33	mmBtu/hr		0.061	LB/MMBTU	BACT-PSD
LA-0204	PLAQUE MINE PVC PLANT	IBERVILLE	LA	PSD-LA-709(M-1)	07/27/09	08/05/09	CRACKING FURNACES A-D	90	MMBTU/H EA	GOOD COMBUSTION PRACTICES AND USE OF NATU	0.048	LB/MMBTU	BACT-PSD
LA-0229	SANITECH PLAQUEMINE PLANT 2	IBERVILLE	LA	PSD-LA-731	07/10/08	04/20/09	EQT122-EQT125 - FOUR VCM CRACKING FURNACES	90	MMBTU/H	GOOD COMBUSTION PRACTICES	0.044	LB/MMBTU	BACT-PSD
LA-0271	LAKE CHARLES GASIFICATION FACILITY	CALCASIEU	LA	PSD-LA-742	06/22/09	05/17/10	SHIFT REACTOR STARTUP HEATER	34.2	MMBTU/H	GOOD DESIGN AND PROPER OPERATION	2.82	LB/H	BACT-PSD
LA-0271	LAKE CHARLES GASIFICATION FACILITY	CALCASIEU	LA	PSD-LA-742	06/22/09	05/17/10	GASIFIER STARTUP PREHEATER BURNERS (5)	33	MMBTU/H	GOOD DESIGN AND PROPER OPERATION	1.98	LB/H	BACT-PSD
*LA-0272	AMMONIA PRODUCTION FACILITY	JEFFERSON	LA	PSD-LA-768	01/07/13	05/04/16	PRIMARY REFORMER FURNACE (101-B)	854.2	MMBTU/HR	GOOD COMBUSTION PRACTICES PROPER DESIGN O	49.14	LB/H	BACT-PSD
*LA-0272	AMMONIA PRODUCTION FACILITY	JEFFERSON	LA	PSD-LA-768	01/07/13	05/04/16	AMMONIA START-UP HEATER (107-B)	99.4	MM BTU/HR	GOOD COMBUSTION PRACTICES PROPER DESIGN O	2.87	LB/H	BACT-PSD
MD-0038	DOMINION	CALVERT	MD	CPCN P053	03/19/08	05/07/07	FUEL GAS PROCESS HEATER			GOOD COMBUSTION PRACTICES	149	PPMVD	BACT-PSD
MD-0040	CPV ST CHARLES	CHARLES	MD	PCN CASE NO. 912	11/12/03	03/30/09	HEATER	1.7	MMBTU/H		0.03	LB/MMBTU	BACT-PSD
*MD-0041	CPV ST. CHARLES	CHARLES	MD	PSC CASE NO. 8280	04/23/14	07/14/16	FUEL GAS HEATER	9.8	MMBTU/H	GOOD COMBUSTION PRACTICES	0.08	LB/MMBTU	BACT-PSD
*MD-0042	WILDCAT POINT GENERATION FACILITY	CECIL	MD	PCN CASE NO. 832	04/08/14	07/16/16	DEW POINT HEATER	9	MMBTU/H	USE OF EFFICIENT DESIGN OF THE HEATER, EXCLUS	0.083	LB/MMBTU	BACT-PSD
*MD-0043	MATTAWOMAN ENERGY CENTER	PRINCE GEORGE'S	MD	PSC CASE NO. 9376	12/17/15	05/13/16	FUEL GAS HEATER	13.8	MMBTU/H	GOOD COMBUSTION PRACTICES	0.031	LB/MMBTU	BACT-PSD
*MI-0410	THETFORD GENERATING STATION	GENESEE	MI	191-13	07/25/13	05/04/16	FOUR HEATERS: 2 natural gas fired simple cycle combustion turbines	171	MMBTU/H	Efficient combustion	0.11	LB/MMBTU	BACT-PSD
*MI-0410	THETFORD GENERATING STATION	GENESEE	MI	191-13	07/25/13	05/04/16	FOUR HEATERS: 2 natural gas fuel heaters, 12 MMBTU/H each	12	MMBTU each	Efficient combustion	0.11	LB/MMBTU	BACT-PSD
*MN-0413	AND BOARD OF PUBLIC WORKS - EAST 8TH ST	OTTAWA	MI	16P-15	12/04/13	05/05/16	Fuel pre-heater (FUFU21-H18)	3.7	MMBTU/H	Good combustion practices	0.41	LB/H	BACT-PSD
MN-0039	MINNESOTA STEEL INDUSTRIES, LLC	ITASCA	MN	06100067-001	09/07/07	10/30/08	PROCESS HEATERS	606	MMBTU/H		0.08	LB/MMBTU	BACT-PSD
MN-0039	MINNESOTA STEEL INDUSTRIES, LLC	ITASCA	MN	06100067-001	09/07/07	10/30/08	SMALL BOILERS & ange HEATERS (<100 MMBTU/H)	99	MMBTU/H		0.05	LB/MMBTU	BACT-PSD
*MS-0092	EMBREE NUCLEAR GTL MS	ADAMS	MS	0060-00055	05/02/14	01/13/15	13 MMBtu/hr mechanical-to-gasoline regeneration heater, equipped with low	13	MMBTU/H		0.08	LB/MMBTU	BACT-PSD
*MS-0092	EMBREE NUCLEAR GTL MS	ADAMS	MS	0060-00055	05/02/14	01/13/15	Five 12 MMBtu/hr reactor heaters, equipped with low-NOx burners	12	MMBTU/H		0.03	LB/MMBTU	BACT-PSD
NY-0043	NATURENERGY, LLC	WASHINGTON	NY	C907-0018	04/29/03	09/11/09	HOT OIL HEATER	75	MMBTU/H	GOOD COMBUSTION PRACTICES	0		BACT-PSD
NV-0047	MTUS AIR FORCE BASE	CLARK	NV	114	02/26/04	10/21/08	BOILERS/HEATERS - NATURAL GAS-FIRED			FLUE GAS RECIRCULATION	0.027	LB/MMBTU	Other Case-by-Case
NV-0047	MTUS AIR FORCE BASE	CLARK	NV	114	02/26/04	10/21/08	BOILERS/HEATERS - DIESEL OIL-FIRED			GOOD COMBUSTION PRACTICE	0.038	LB/MMBTU	Other Case-by-Case
NV-0090	MGM MIRAGE	CLARK	NV	825	11/30/09	07/13/10	WATER HEATERS - UNITS NY037 AND NY038 AT NEW YORK - NEW YORK	3	MMBTU/H	LIMITING THE FUEL TO NATURAL GAS ONLY AND G	0.075	LB/MMBTU	LAER
*OH-0150	REPUBLIC STEEL	LORAIN	OH	P0109191	07/18/12	05/04/16	Electric Arc Furnace	190	T/H	Direct-Shell Evacuation Control system with adjusti	2	LB/T	BACT-PSD
*OH-0153	GENERAL ELECTRIC AVIATION, EVENDALE PLANT	HAMILTON	OH	P0113127	05/02/13	05/04/16	4 Indirect-Fired Air Preheaters	0			0.13	LB/MMBTU	N/A
OH-0173	MID AMERICAN STEEL ROLLING MILL	MARSHALL	OH	003-11n-CDM-11 PS	04/10/03	12/17/10	Electric Arc Furnaces	90	ons per furnac	Use cleaned scrap	3	LB/T SCRAP	BACT-PSD
OH-0179	CHOUTEAU POWER PLANT	MAYES	OK	002-113-CDM-11PSD	01/25/03	02/18/10	FUEL GAS HEATER (N20 BATH)	18.8	MMBTU/H		0.59	LB/H	N/A
OH-0184	PRYOR PLANT CHEMICAL	MAYES	OH	2003-103-C PSD	02/23/09	01/30/11	Nitric Acid Preheaters No. 1 (EU 401, EUG 4)	20	MMBTU/H	good combustion practices	1.43	LB/H	BACT-PSD
OH-0184	PRYOR PLANT CHEMICAL	MAYES	OH	2003-103-C PSD	02/23/09	08/30/11	Nitric Acid Preheater No 3 (EU 402, EUG 4)	20	mmbtu/h	good combustion	1.43	LB/H	BACT-PSD
OH-0184	PRYOR PLANT CHEMICAL	MAYES	OH	2003-103-C PSD	02/23/09	02/18/10	NITRIC ACID PREHEATERS #1, #3, AND #4	20	MMBTU/H	GOOD COMBUSTION PRACTICES.	1.43	LB/H	BACT-PSD
OH-0196	PONCA CITY REFINERY	KAY	OH	2007-043-C PSD	02/08/09	02/18/10	NH-8 NEW NO. 4 CTU VACUUM HEATER	45	MMBTU/H	ULTRA-LOW NOX BURNERS; GOOD COMBUSTION P	1.8	LB/H	BACT-PSD
OH-0196	PONCA CITY REFINERY	KAY	OH	2007-043-C PSD	02/08/09	02/18/10	NH-4 NEW NO. 4 CTU CRUDE HEATER	125	MMBTU/H	ULTRA-LOW NOX BURNERS; GOOD COMBUSTION P	5	LB/H	BACT-PSD
OH-0196	PONCA CITY REFINERY	KAY	OH	2007-043-C PSD	02/08/09	02/18/10	NH-5 NEW NO. 1 CTU TAR STRIPPER HEATER	88	MMBTU/H	ULTRA-LOW NOX BURNERS; GOOD COMBUSTION P	3.52	LB/H	BACT-PSD
*OH-0213	ROSE VALLEY PLANT	WOODS	OH	3012-139-C PSD	01/01/13	04/19/16	REGENERATION HEATERS	5.41	MMBTU/H	GOOD COMBUSTION PRACTICES.	0.0024	LB/MMBTU	BACT-PSD
*OH-0213	ROSE VALLEY PLANT	WOODS	OH	3012-139-C PSD	03/01/13	04/19/16	HOT OIL HEATER	17.4	MMBTU/H	Efficient design and combustion.	0.0124	LB/MMBTU	BACT-PSD
PA-0262	CARPENTER TECH CORP	BERKS	PA	06-090070	10/05/07	12/27/10	REHEATING FURNACES (8)			COMBUSTION CONTROL	0.16	LB/H	Other Case-by-Case
PA-0262	CARPENTER TECH CORP	BERKS	PA	06-0900070	10/05/07	12/27/10	ANNEALING FURNACES (4)				0.3	LB/H	Other Case-by-Case
*PA-0298	BERKS HOLLOW ENERGY ASSOC LLC/ONYX ALUM	BERKS	PA	06-05150A	12/17/13	05/04/16	Fuel Preheater	8.5	MMBTU/H		0.05	LB/MMBTU	N/A
SC-0113	NUCOR STEEL - BERKELEY	BERKELEY	SC	0420-0010-DO	05/05/03	10/30/09	TUNNEL FURNACE BURNERS	58	MMBTU/H	NATURAL GAS COMBUSTION WITH GOOD COMBUS	0.084	LB/MMBTU	BACT-PSD
SC-0114	GP ALLENDALE LP	ALLENDALE	SC	0160-0020-CB	11/25/08	10/16/12	NATURAL GAS SPACE HEATERS - 14 UNITS (NO 18)	20.29	MMBTU/H		1.67	LB/H	BACT-PSD
SC-0114	GP ALLENDALE LP	ALLENDALE	SC	0160-0020-CB	11/25/08	10/16/12	334 MILLION BTU/HR WOOD FIRED FURNACE #1	334	MMBTU/H	REGENERATIVE THERMAL OXIDATION (RTOS) WERE	302.11	LB/H	BACT-PSD
SC-0114	GP ALLENDALE LP	ALLENDALE	SC	0160-0020-CB	11/25/08	10/16/12	334 MILLION BTU/HR WOOD FIRED FURNACE #3	334	MMBTU/H	REGENERATIVE THERMAL OXIDATION (RTOS) WERE	302.11	LB/H	BACT-PSD
SC-0114	GP ALLENDALE LP	ALLENDALE	SC	0160-0020-CB	11/25/08	10/16/12	79 MILLION BTU/HR BACKUP THERMAL OIL HEATER	79	MMBTU/H	NITROGEN OXIDES (NOX) AND CO EMISSIONS WILL C	7.9	LB/H	BACT-PSD
SC-0114	GP ALLENDALE LP	ALLENDALE	SC	0160-0020-CB	11/25/08	10/16/12	ROTARY FLAKE DRYER #1	93000	LB/H OVEN DR	REGENERATIVE THERMAL OXIDATION (RTOS) WERE	307.11	LB/H	BACT-PSD
SC-0114	GP ALLENDALE LP	ALLENDALE	SC	0160-0020-CB	11/25/08	10/16/12	ROTARY FLAKE DRYER #2	93000	LB/H OVEN DR	REGENERATIVE THERMAL OXIDATION (RTOS) WERE	307.11	LB/H	BACT-PSD
SC-0114	GP ALLENDALE LP	ALLENDALE	SC	0160-0020-CB	11/25/08	10/16/12	ROTARY FINES DRYER	73000	LB/H OVEN N DR	REGENERATIVE THERMAL OXIDATION (RTOS) WERE	307.11	LB/H	BACT-PSD
SC-0115	GP CLARENDON LP	CLARENDON	SC	0630-0044-CB	02/10/09	10/16/12	334 MILLION BTU/HR WOOD FIRED FURNACE #2	334	MMBTU/H	REGENERATIVE THERMAL OXIDATION (RTOS) WERE	302.11	LB/H	BACT-PSD
SC-0115	GP CLARENDON LP	CLARENDON	SC	0630-0044-CB	02/10/09	10/16/12	197 MILLION BTU/HR WOOD FIRED FURNACE	197	MMBTU/H	REGENERATIVE THERMAL OXIDATION (RTOS) WERE	302.11	LB/H	BACT-PSD
SC-0115	GP CLARENDON LP	CLARENDON	SC	0630-0044-CB	02/10/09	10/16/12	79 MILLION BTU/HR BACKUP THERMAL OIL HEATER	79	MMBTU/H	TUNE-UPS AND INSPECTIONS WILL BE PERFORMED	9	LB/H	BACT-PSD
SC-0115	GP CLARENDON LP	CLARENDON	SC	0630-0044-CB	02/10/09	10/16/12	ROTARY FLAKE DRYER #1	93000	OVEN DRYER	REGENERATIVE THERMAL OXIDATION (RTOS) WERE	302.11	LB/H	BACT-PSD
SC-0115	GP CLARENDON LP	CLARENDON	SC	0630-0044-CB	02/10/09	10/16/12	ROTARY FLAKE DRYER #2	93000	LB/H OVEN DR	REGENERATIVE THERMAL OXIDATION (RTOS) WERE	302.11	LB/H	BACT-PSD
SC-0115	GP CLARENDON LP	CLARENDON	SC	0630-0044-CB	02/10/09	10/16/12	ROTARY FINES DRYER	73000	LB/H OVEN DR	REGENERATIVE THERMAL OXIDATION (RTOS) WERE	302.11	LB/H	BACT-PSD
SC-0116	GP CLARENDON LP	CLARENDON	SC	0630-0044-CB	02/10/09	10/16/12	NATURAL GAS SPACE HEATERS - 14 UNITS (NO 17)	20.29	MMBTU/H		1.67	LB/H	BACT-PSD
SC-0116	GP CLARENDON LP	CLARENDON	SC	0630-0044-CB	02/10/09	10/16/12	334 MILLION BTU/HR WOOD FIRED FURNACE #1	334	MMBTU/H	REGENERATIVE THERMAL OXIDATION (RTOS) WERE	302.11	LB/H	BACT-PSD
TX-0481	TEXSTAR GAS PROCESS FACILITY	HENDERSON COUNTY	TX	0-TX 35341 AND 86	07/11/06	04/28/09	BOTTOM HEATERS (2)	15	MMBTU/H		1.35	LB/H	BACT-PSD
*TX-0656	BAY TO GASOLINE PLANT	JEFFERSON	TX	QTX 1340 AND 1077	05/16/14	05/12/16	Heaters	45	MMBTU/H	clean fuel and good combustion practices	30	PPM	BACT-PSD
*TX-0656	BAY TO GASOLINE PLANT	JEFFERSON	TX	QTX 1340 AND 1077	05/16/14	06/13/16	heaters (3)	34.3	MMBTU/H	clean fuel and good combustion practices	30	PPM	BACT-PSD
*TX-0663	JACKSON COUNTY GAS PLANT	JACKSON	TX	PSD11264	05/25/12	09/30/14	Heaters	17	MMBTU/H	Good Combustion Practices	0		BACT-PSD
*TX-0663	JACKSON COUNTY GAS PLANT	JACKSON	TX	PSD11264	05/25/12	09/30/14	Heaters	48	MMBTU/H	Best combustion practices	17.39	TON	BACT-PSD
*TX-0663	JACKSON COUNTY GAS PLANT	JACKSON	TX	PSD11264	05/25/12	09/30/14	Heaters	10	MMBTU/H	Good combustion Practices	0		BACT-PSD

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Table C-1.b. RBLC Database CO Emissions Query Results - Small Boilers & Heaters (<100 MMBtu/hr)

RBLCID	FACILITY NAME	FACILITY COUNTY	STATE	PERMIT NUMBER	PERMIT ISSUANCE DATE	DATE DETERMINATION LAST UPDATED	PROCESS NAME	THROUGHPUT		CONTROL METHOD	EMISSION LIMIT 1		BASIS
*TX-0683	JACKSON COUNTY GAS PLANT	JACKSON	TX	PSDTX1264	05/25/12	09/30/14	Heaters	8	MMBTU/H	Good Combustion Practices	0		BACT-PSD
*TX-0620	SONORA GAS PLANT	UPTON	TX	106139 PSDTX1316	04/14/13	09/08/16	Heater	10	MMBTU/H		100	PPMVD	BACT-PSD
*TX-0620	SONORA GAS PLANT	UPTON	TX	106139 PSDTX1316	04/14/13	09/08/16	2 Heaters	5	MMBTU/H		100	PPMVD	BACT-PSD
*TX-0731	PH ROBINSON ELECTRIC GENERATING STATION	GALVESTON	TX	106182 PSDTX1340	05/20/14	09/07/16	fuel gas heater	18	MMBTU/H		0.054	LB/MMBTU	BACT-PSD
*TX-0691	ANTELOPE ELK WENTZ CENTER	HALE	TX	103148 PSDTX1334	04/22/14	05/04/16	heater	9.5	MMBTU/H		0.08	LB/MMBTU	BACT-PSD
*TX-0584	INDECK WHARTON ENERGY CENTER	WHARTON	TX	111734 PSDTX1374	02/02/15	09/08/16	heater	9	MMBTU/H		0.04	LB/MMBTU	BACT-PSD
*TX-0795	RAMSEY GAS PLANT	REEVES	TX	5 AND PSDTX1392	05/21/15	05/03/16	Hot Oil Heaters and Regeneration Heaters	60	MMBTU/H	Good combustion practices and firing of residue ga	50	PMVD @ 3% O	BACT-PSD
*TX-0772	BEAUMONT PETROLEUM TRANSLOAD TERMIN	ORANGE	TX	GHGPSDTX100 AME	11/06/13	12/22/15	Commercial/Institutional-Size Boilers/Furnaces	40	MMBTU/H	Good combustion practices to ensure complete com	50	PMVD @ 3% O	BACT-PSD
*TX-0772	BEAUMONT PETROLEUM TRANSLOAD TERMIN	ORANGE	TX	GHGPSDTX100 AME	11/06/13	12/22/15	Commercial/Institutional-Size Boilers/Furnaces	95.7	MMBTU/H	Good combustion practices to ensure complete com	50	PMVD @ 3% O	BACT-PSD
*TX-0772	BEAUMONT PETROLEUM TRANSLOAD TERMIN	ORANGE	TX	GHGPSDTX100 AME	11/06/13	12/22/15	Commercial/Institutional-Size Boilers/Furnaces	13.2	MMBTU/H	Good combustion practices to ensure complete com	50	PMVD @ 3% O	BACT-PSD
WY-0048	MEDICINE BOW IGL PLANT	CARBON	WY	CT-5873	03/04/09	04/20/09	GASIFICATION PREHEATER 2	21	MMBTU/H	GOOD COMBUSTION PRACTICES	0.00	LB/MMBTU	BACT-PSD
WY-0048	MEDICINE BOW IGL PLANT	CARBON	WY	CT-5873	03/04/09	04/20/09	GASIFICATION PREHEATER 3	21	MMBTU/H	GOOD COMBUSTION PRACTICES	0.03	LB/MMBTU	BACT-PSD
WY-0048	MEDICINE BOW IGL PLANT	CARBON	WY	CT-5873	03/04/09	04/20/09	GASIFICATION PREHEATER 4	21	MMBTU/H	GOOD COMBUSTION PRACTICES	0.05	LB/MMBTU	BACT-PSD
WY-0048	MEDICINE BOW IGL PLANT	CARBON	WY	CT-5873	03/04/09	04/20/09	GASIFICATION PREHEATER 5	21	MMBTU/H	GOOD COMBUSTION PRACTICES	0.08	LB/MMBTU	BACT-PSD
WY-0048	MEDICINE BOW IGL PLANT	CARBON	WY	CT-5873	03/04/09	04/20/09	BLACK START GENERATOR 1	2829	HP	LIMITED OPERATING HOURS (250 HR/YR)	2.4	G/HP-H	BACT-PSD
WY-0048	MEDICINE BOW IGL PLANT	CARBON	WY	CT-5873	03/04/09	04/20/09	BLACK START GENERATOR 2	2829	HP	LIMITED OPERATING HOURS (250 HR/YR)	2.4	G/HP-H	BACT-PSD
WY-0048	MEDICINE BOW IGL PLANT	CARBON	WY	CT-5873	03/04/09	04/20/09	BLACK START GENERATOR 3	2829	HP	LIMITED OPERATING HOURS (250 HR/YR)	2.4	G/HP-H	BACT-PSD
WY-0048	MEDICINE BOW IGL PLANT	CARBON	WY	CT-5873	03/04/09	04/20/09	REACTIVATION HEATER	13.49	MMBTU/H	GOOD COMBUSTION PRACTICES	0.03	LB/MMBTU	BACT-PSD
WY-0048	MEDICINE BOW IGL PLANT	CARBON	WY	CT-5873	03/04/09	04/20/09	HOT REACTOR CHARGE HEATER	2.22	MMBTU/H	GOOD COMBUSTION PRACTICES	0.03	LB/MMBTU	BACT-PSD
WY-0048	MEDICINE BOW IGL PLANT	CARBON	WY	CT-5873	03/04/09	04/20/09	GASIFICATION PREHEATER 1	21	MMBTU/H	GOOD COMBUSTION PRACTICES	0.03	LB/MMBTU	BACT-PSD
WY-0047	ECHO SPRINGS GAS PLANT	CARBON	WY	MD-7217	04/01/03	04/14/09	HOT OIL HEATER 536	84	MMBTU/H	GOOD COMBUSTION PRACTICES	0.03	LB/MMBTU	BACT-PSD
*WY-0070	CHEYENNE PRAIRIE GENERATING STATION	LARAMIE	WY	CT-12636	08/28/12	05/29/13	Inlet Air Heater (EP08)	16.1	MMBTU/H	good combustion practices	0.06	LB/MMBTU	BACT-PSD
*WY-0070	CHEYENNE PRAIRIE GENERATING STATION	LARAMIE	WY	CT-12636	03/28/12	05/29/13	Inlet Air Heater (EP07)	16.1	MMBTU/H	good combustion practices	0.06	LB/MMBTU	BACT-PSD
*WY-0070	CHEYENNE PRAIRIE GENERATING STATION	LARAMIE	WY	CT-12636	03/28/12	05/29/13	Inlet Air Heater (EP05)	16.1	MMBTU/H	good combustion practices	0.06	LB/MMBTU	BACT-PSD
*WY-0070	CHEYENNE PRAIRIE GENERATING STATION	LARAMIE	WY	CT-12636	03/28/12	05/29/13	Inlet Air Heater (EP07)	16.1	MMBTU/H	good combustion practices	0.03	LB/MMBTU	BACT-PSD
*WY-0070	CHEYENNE PRAIRIE GENERATING STATION	LARAMIE	WY	CT-12636	03/28/12	05/29/13	Inlet Air Heater (EP10)	16.1	MMBTU/H	good combustion practices	0.03	LB/MMBTU	BACT-PSD
*WY-0070	CHEYENNE PRAIRIE GENERATING STATION	LARAMIE	WY	CT-12636	03/28/12	05/29/13	Inlet Air Heater (EP11)	16.1	MMBTU/H	good combustion practices	0.03	LB/MMBTU	BACT-PSD

Source: EPA RBLC, queried May 2016

16092095

Table C-14. RBLC Database VOC Emissions Query Results - Small Boilers & Heaters (<100 MMBtu/hr)

RBLCID	FACILITY NAME	FACILITY COUNTY	STATE	PERMIT NUMBER	PERMIT ISSUANCE DATE	DATE DETERMINATION LAST UPDATED	PROCESS NAME	THROUGHPUT		CONTROL METHOD	EMISSIONS UNIT 1		BASIS
AR-0033	ETHAN NITROGEN OPERATIONS	USA	AR	0000BCOPT06	01/04/13	02/19/16	Startup Heater	101	MMBTU/H	Limited Use (2013 tpy)	0.1754	LB/MMBTU	BACT-PSD
AL-0230	HYUNDAI KUPPS STEEL AND STAINLESS USA, LLC	MOBILE	AL	0095-X001 THRU X	08/17/07	11/13/13	NATURAL GAS-FIRED BATCH ANNEALING FURNACES (LA43, LA64)	33.4	MMBTU each		0.0055	LB/MMBTU	BACT-PSD
AL-0230	HYUNDAI KUPPS STEEL AND STAINLESS USA, LLC	MOBILE	AL	0095-X001 THRU X	08/17/07	11/13/13	NATURAL GAS-FIRED PASSIVE ANNEALING FURNACE (LO41)	27.2	MMBTU/H		0.0055	LB/MMBTU	BACT-PSD
AL-0230	HYUNDAI KUPPS STEEL AND STAINLESS USA, LLC	MOBILE	AL	0095-X001 THRU X	08/17/07	11/13/13	NATURAL GAS-FIRED REHEAT FURNACE (LA21) (MULTIPLE EMISSION POIN	168	MMBTU/H		0.0055	LB/MMBTU	BACT-PSD
AL-0230	HYUNDAI KUPPS STEEL AND STAINLESS USA, LLC	MOBILE	AL	0095-X001 THRU X	08/17/07	11/13/13	NATURAL GAS-FIRED REHEAT FURNACE (LA21) (MULTIPLE EMISSION POIN	109	MMBTU/H		0.0055	LB/MMBTU	BACT-PSD
AL-0230	HYUNDAI KUPPS STEEL AND STAINLESS USA, LLC	MOBILE	AL	0095-X001 THRU X	08/17/07	11/13/13	NATURAL GAS-FIRED REHEAT FURNACE (LA21) (MULTIPLE EMISSION POIN	168	MMBTU/H		0.0055	LB/MMBTU	BACT-PSD
AL-0230	HYUNDAI KUPPS STEEL AND STAINLESS USA, LLC	MOBILE	AL	0095-X001 THRU X	08/17/07	11/13/13	NATURAL GAS-FIRED BATCH ANNEALING FURNACE (S35)	99	MMBTU/H		0.0055	LB/MMBTU	BACT-PSD
AL-0231	MUCOR DECATUR LLC	MORGAN	AL	713-0017	04/13/07	08/31/08	GALVANIZING LINE FURNACE	86.7	MMBTU/H		0.0055	LB/MMBTU	BACT-PSD
*AL-0307	ALLOYS PLANT	COLBERT	AL	091-0037-X121-X12	10/09/15	04/14/16	TWO HARDENING FURNACES	4.15	LB/MMBTU	GCP	0.006	LB/MMBTU	BACT-PSD
*AL-0307	ALLOYS PLANT	COLBERT	AL	091-0037-X121-X12	10/09/15	04/14/16	ANNEALING FURNACE	6.3	MMBTU/H	GCP	0		BACT-PSD
*AL-0307	ALLOYS PLANT	COLBERT	AL	091-0037-X121-X12	10/09/15	04/14/16	TWO HEAT TREAT FURNACES	23.45	MMBTU/H	GCP	0.006	LB/MMBTU	BACT-PSD
AR-0090	MUCOR STEEL, ARKANSAS	MISSISSIPPI	AR	1139-AOP-R6	04/03/08	04/28/12	ANNEALING FURNACES SN-41	4.8	LB/MMBTU	GOOD COMBUSTION PRACTICE	0.3	LB/H	BACT-PSD
FL-0275	PROGRESS PARTOW POWER PLANT	PINELLAS	FL	151 AND 1090081-	01/29/07	06/13/08	FIVE 5 MM BTU/HR GASEOUS-FUELED PROCESS HEATERS	5	MMBTU/H		2	# 9/100 SCF G	BACT-PSD
IA-0101	DAVENPORT WORKS	SCOTT	IA	13-822	02/01/12	10/13/12	Planer Primer Furnace	60	MMBTU/H	The company is required to limit the amount of off	0		BACT-PSD
IA-0102	DAVENPORT WORKS	SCOTT	IA	13-822	02/01/12	10/13/12	Annealing Furnace	12	MMBTU/H	The company is required to limit the amount of off	0		BACT-PSD
IA-0102	DAVENPORT WORKS	SCOTT	IA	13-822	02/01/12	09/13/12	Drill Lines Continuous Heat Treat Line	20.4	MMBTU/H	The company is required to limit the amount of off	0		BACT-PSD
*IA-0108	TRIS NITROGEN, LLC - PORT NTAL NITROGEN	WOODBURY	IA	PN 13-037	07/12/13	05/04/16	Startup Heater	58.8	MMBTU/H	good operating practices & use of natural gas	0.0014	LB/MMBTU	BACT-PSD
*LA-0272	AMMONIA PRODUCTION FACILITY	JEFFERSON	LA	PSD-LA-768	03/27/13	05/04/16	PRIMARY REFORMER FURNACE (101-B)	856.2	MM BTU/HR	GOOD COMBUSTION PRACTICE; PROPER DESIGN O	6.18	LB/H	BACT-PSD
*LA-0272	AMMONIA PRODUCTION FACILITY	JEFFERSON	LA	PSD-LA-768	03/27/13	05/04/16	AMMONIA START-UP HEATER (102-B)	50.4	MM BTU/HR	GOOD COMBUSTION PRACTICE; PROPER DESIGN O	0.38	LB/H	BACT-PSD
MD-0004	DOMINION	CALVERT	MD	CPON 8053	03/10/04	05/07/07	FUEL GAS PROCESS HEATER			GOOD COMBUSTION PRACTICES	142	PPMVD	LAER
MD-0040	CPV ST. CHARLES	CHARLES	MD	PCN CASE NO. 9127	11/13/01	02/20/09	HEATER	1.7	MMBTU/H		0.005	LB/MMBTU	LAER
*MD-0041	CPV ST. CHARLES	CHARLES	MD	PSC CASE NO. 9205	04/28/14	03/16/16	FUEL GAS HEATER	8.8	MMBTU/H	EXCLUSIVE USE OF NATURAL GAS AND GOOD COM	0.005	LB/MMBTU	LAER
*MD-0043	WILDCAT POINT GENERATION FACILITY	CECIL	MD	PCN CASE NO. 932	04/03/14	03/18/16	DEW POINT HEATER	3	MMBTU/H	USE OF EFFICIENT DESIGN OF THE HEATER, EXCLUS	0.005	LB/MMBTU	LAER
*MD-0045	MATTAWOMAN ENERGY CENTER	PRINCE GEORGE'S	MD	PSC CASE NO. 9331	11/13/15	02/15/16	FUEL GAS HEATER	19.8	MMBTU/H	EXCLUSIVE USE OF PIPELINE QUALITY NATURAL GA	0.0054	LB/MMBTU	LAER
*MI-0393	BAY COMPRESSOR STATION	MACOMB	MI	705-09	10/14/10	03/28/14	Pipeline heaters	18	MMBTU/H		0.9	LB/H	BACT-PSD
*MI-0410	THETFORD GENERATING STATION	GENESEE	MI	191-12	07/25/13	05/04/16	FG-PEAKERS: 2 natural gas fired simple cycle combustion turbines	171	MMBTU/H	Efficient combustion; natural gas fuel.	0.017	LB/MMBTU	BACT-PSD
*MI-0410	THETFORD GENERATING STATION	GENESEE	MI	191-12	07/25/13	05/04/16	FG-FUELHTR: 2 natural gas fuel heaters, 12 MMBTU/H each	12	heat input eac	Efficient combustion; natural gas fuel.	0.008	LB/MMBTU	BACT-PSD
*MI-0412	AVID BOARD OF PUBLIC WORKS - PART B HT	OTTAWA	MI	107-13	12/06/13	05/08/16	fuel pre-heater (EUFUELHTR)	3.7	MMBTU/H	Good combustion practices	0.03	LB/H	BACT-PSD
*MS-0092	EMPIRE CLEAR OIL, MS	ADAMS	MS	0040-00055	05/08/14	01/15/15	15 MMBtu/hr methanol-to-gasoline regeneration heater, equipped with low	18	MMBTU/H		0		BACT-PSD
*MS-0093	EMPIRE CLEAR OIL, MS	ADAMS	MS	0040-00055	05/08/14	01/15/15	Five 12 MMBtu/hr reactor heaters, equipped with low-NOx burners	12	MMBTU/H		0		BACT-PSD
NV-0047	NELLIS AIR FORCE BASE	CLARK	NV	114	02/28/03	10/21/08	BOILERS/HEATERS - NATURAL GAS-FIRED			FLUE GAS RECIRCULATION	0.0082	LB/MMBTU	Other Case-by-Case
NV-0047	NELLIS AIR FORCE BASE	CLARK	NV	114	02/26/08	10/21/08	BOILERS/HEATERS - DIESEL OIL-FIRED			GOOD COMBUSTION PRACTICE	0.0054	LB/MMBTU	Other Case-by-Case
NV-0090	MGM MIRAGE	CLARK	NV	828	11/10/09	03/13/10	WATER HEATERS - UNITS N1037 AND N1038 AT NEW YORK - NEW YORK	2	MMBTU/H	LIMITING THE FUEL TO NATURAL GAS ONLY AND G	0.0054	LB/MMBTU	Other Case-by-Case
*OH-0350	REPUBLIC STEEL	LORAIN	OH	P0109191	07/18/12	05/04/16	Electric Arc Furnace	150	T/H	Scrap management and Direct-Shell Evacuation Co	0.1	LB/T	BACT-PSD
*OH-0355	GENERAL ELECTRIC AVIATION, EVENDALE PLAN	HAMILTON	OH	P0112127	05/07/13	05/04/16	4 Indirect-Fired Air Preheaters	0			0.015	LB/MMBTU	N/A
OH-0128	MID AMERICAN STEEL ROLLING MILL	MARSHALL	OH	005-1104-CTM-11 PS	09/03/03	12/17/10	Electric Arc Furnaces	50	one per furnac	Clean scrap	0.8	LB/T SCRAP	BACT-PSD
OH-0329	CHOUTEAU POWER PLANT	MAYES	OK	2097-112-CDA-1 PSD	01/23/09	02/18/10	FUEL GAS HEATER (H-20 BATH)	18.8	MMBTU/H		0.1	LB/H	BACT-PSD
OH-0334	PRYOR PLANT CHEMICAL	MAYES	OK	2035-100-C PSD	02/25/09	05/30/11	Nitric Acid Preheaters No. 1 (EU 40L, EUG 4)	20	MMBTUH	good combustion	0.11	LB/H	BACT-PSD
OH-0335	PRYOR PLANT CHEMICAL	MAYES	OK	2035-100-C PSD	02/23/09	02/18/10	NITRIC ACID PREHEATERS #1, #3, AND #4	20	MMBTU/H		0.11	LB/H	BACT-PSD
*OH-0364	MIDWEST CITY AIR DEPOT	OKLAHOMA	OK	1009-394-CDA-2 PSD	01/03/13	02/01/16	Heaters/Boilers	0	MMBTUH	2. Good Combustion Practices w/emission rate	7.1	TONS PER YEA	BACT-PSD
PA-0292	CARPENTER TECH CORP	BERKS	PA	06-050070	10/08/07	12/27/10	REHEATING FURNACES (8)			COMBUSTION CONTROL	0.28	LB/H	Other Case-by-Case
PA-0292	CARPENTER TECH CORP	BERKS	PA	06-050070	10/08/07	12/27/10	ANNEALING FURNACES (4)				0.3	LB/H	Other Case-by-Case
*PA-0296	RYB HOLDING ENTERPRISE LLC/CONTI ALUN	BERKS	PA	06-05130A	12/17/13	05/04/16	Fuel Preheater	8.8	MMBTU/H		0.08	LB/MMBTU	OTHER CASE-BY-CASE
SC-0132	MUCOR STEEL - BENNETT	BERKELEY	SC	0430-00146-00	04/05/01	10/30/13	TUNNEL FURNACE BURNERS	58	MMBTU/H	NATURAL GAS COMBUSTION WITH GOOD COMBUS	0.0055	LB/MMBTU	BACT-PSD
SC-0114	GP ALLENDALE LP	ALLENDALE	SC	0160-0020-CB	11/25/08	10/18/12	NATURAL GAS SPACE HEATERS - 14 UNITS (NO 18)	20.89	MMBTU/H		0.11	LB/H	BACT-PSD
SC-0114	GP ALLENDALE LP	ALLENDALE	SC	0160-0020-CB	11/25/08	10/18/12	134 MILLION BTU/HR WOOD FIRED FURNACE #1	334	MMBTU/H	REGENERATIVE THERMAL OXIDIZERS (RTOS) WERE	116.39	LB/H	BACT-PSD
SC-0114	GP ALLENDALE LP	ALLENDALE	SC	0160-0020-CB	11/25/08	10/18/12	334 MILLION BTU/HR WOOD FIRED FURNACE #2	334	MMBTU/H	REGENERATIVE THERMAL OXIDATION (RTOS) WERE	116.39	LB/H	BACT-PSD
SC-0114	GP ALLENDALE LP	ALLENDALE	SC	0160-0020-CB	11/25/08	10/18/12	78 MILLION BTU/HR BACK UP THERMAL OIL HEATER	78	MMBTU/H	GOOD COMBUSTION PRACTICES WILL BE USED AS	0.39	LB/H	BACT-PSD
SC-0114	GP ALLENDALE LP	ALLENDALE	SC	0160-0020-CB	11/25/08	10/18/12	ROTARY FLAKE DRYER #1	95000	LB/H OVEN DR	REGENERATIVE THERMAL OXIDATION (RTOS) WERE	116.39	LB/H	BACT-PSD
SC-0114	GP ALLENDALE LP	ALLENDALE	SC	0160-0020-CB	11/25/08	10/18/12	ROTARY FLAKE DRYER #2	95000	LB/H OVEN DR	REGENERATIVE THERMAL OXIDATION (RTOS) WERE	116.39	LB/H	BACT-PSD
SC-0114	GP ALLENDALE LP	ALLENDALE	SC	0160-0020-CB	11/25/08	10/18/12	ROTARY FINES DRYER	73000	LB/H OVEN DR	REGENERATIVE THERMAL OXIDATION (RTOS) WERE	116.39	LB/H	BACT-PSD
SC-0115	GP CLARENDON LP	CLARENDON	SC	0420-0046-CB	02/10/09	10/16/12	334 MILLION BTU/HR WOOD FIRED FURNACE #2	334	MMBTU/H	REGENERATIVE THERMAL OXIDATION (RTOS) WERE	116.39	LB/H	BACT-PSD
SC-0115	GP CLARENDON LP	CLARENDON	SC	FK-80-0046-CB	02/10/09	10/16/12	197 MILLION BTU/HR WOOD FIRED FURNACE	197	MMBTU/H	REGENERATIVE THERMAL OXIDATION (RTOS) WERE	116.39	LB/H	BACT-PSD
SC-0115	GP CLARENDON LP	CLARENDON	SC	0420-0046-CB	02/10/09	10/16/12	78 MILLION BTU/HR BACK UP THERMAL OIL HEATER	78	MMBTU/H	GOOD COMBUSTION PRACTICES WILL BE USED AS	0.39	LB/H	BACT-PSD
SC-0115	GP CLARENDON LP	CLARENDON	SC	0420-0046-CB	02/10/09	10/16/12	ROTARY FLAKE DRYER #1	95000	LB/H OVEN DRY/H	REGENERATIVE THERMAL OXIDATION (RTOS) WERE	116.39	LB/H	BACT-PSD
SC-0115	GP CLARENDON LP	CLARENDON	SC	0420-0046-CB	02/10/09	10/16/12	ROTARY FLAKE DRYER #2	95000	LB/H OVEN DR	REGENERATIVE THERMAL OXIDATION (RTOS) WERE	116.39	LB/H	BACT-PSD
SC-0115	GP CLARENDON LP	CLARENDON	SC	0420-0046-CB	02/10/09	10/16/12	ROTARY FINES DRYER	73000	LB/H OVEN DR	REGENERATIVE THERMAL OXIDATION (RTOS) WERE	116.39	LB/H	BACT-PSD
SC-0115	GP CLARENDON LP	CLARENDON	SC	0420-0046-CB	02/10/09	10/16/12	NATURAL GAS SPACE HEATERS - 14 UNITS (ID 17)	20.89	MMBTU/H		0.11	LB/H	BACT-PSD
SC-0115	GP CLARENDON LP	CLARENDON	SC	0420-0046-CB	02/10/09	10/16/12	STORAGE TANKS	0			0.16	LB/H	BACT-PSD
SC-0115	GP CLARENDON LP	CLARENDON	SC	0420-0046-CB	02/10/09	10/16/12	334 MILLION BTU/HR WOOD FIRED FURNACE #1	334	MMBTU/H	REGENERATIVE THERMAL OXIDATION (RTOS) WERE	116.39	LB/H	BACT-PSD
TX-0401	TRISTAR GAS PRODUCTS FACILITY	HENDERSON COUNTY	TX	0-TX 83443 AND 8	07/11/04	04/28/09	BOTTOM HEATERS (2)	15	MMBTU/H		0.08	LB/H	BACT-PSD
*TX-0696	GAS TO GASOLINE PLANT	JEFFERSON	TX	0TX1340 AND 107	05/16/14	05/13/16	Heaters	45	MMBTU/H	Clean fuel and good combustion practices	0.13	T/YR	BACT-PSD
*TX-0696	GAS TO GASOLINE PLANT	JEFFERSON	TX	0TX1340 AND 107	05/16/14	05/13/16	heaters (5)	24.8	MMBTU/H	Clean fuel and good combustion practices	2.44	T/YR	BACT-PSD
*TX-0943	JACKSON COUNTY GAS PLANT	JACKSON	TX	PSD-TX-1264	05/25/12	08/30/14	Heaters	17	MMBTU/H	Good combustion practices	0		BACT-PSD
*TX-0943	JACKSON COUNTY GAS PLANT	JACKSON	TX	PSD-TX-1264	05/25/12	08/30/14	Heaters	48	MMBTU/H	Good combustion practices	0		BACT-PSD
*TX-0943	JACKSON COUNTY GAS PLANT	JACKSON	TX	PSD-TX-1264	05/25/12	08/30/14	Heaters	10	MMBTU/H	Good combustion practices	0		BACT-PSD
*TX-0943	JACKSON COUNTY GAS PLANT	JACKSON	TX	PSD-TX-1264	05/25/12	08/30/14	Heaters	3	MMBTU/H	Good combustion practices	0		BACT-PSD
*TX-0972	BEAUMONT PETROLEUM TRANSLOAD TERMIN	ORANGE	TX	GHGPSD-TX-108 AND	11/04/13	12/22/15	Commercial/Institutional-Size Boilers/Furnaces	40	MMBTU/H	Good combustion practice to ensure complete com	0.94	T/YR	BACT-PSD
*TX-0972	BEAUMONT PETROLEUM TRANSLOAD TERMIN	ORANGE	TX	GHGPSD-TX-108 AND	11/04/13	12/22/15	Commercial/Institutional-Size Boilers/Furnaces	85.7	MMBTU/H	Good combustion practice to ensure complete com	5.42	T/YR	BACT-PSD
*TX-0972	BEAUMONT PETROLEUM TRANSLOAD TERMIN	ORANGE	TX	GHGPSD-TX-108 AND	11/04/13	12/22/15	Commercial/Institutional-Size Boilers/Furnaces	18.3	MMBTU/H	Good combustion practice to ensure complete com	0.8	T/YR	BACT-PSD
WY-0046	MEDICINE BOW IGL PLANT	CARBON	WY	CT-5873	03/04/09	04/20/09	BLACK START GENERATOR 1	2589	HP	LIMITED OPERATING HOURS (250 HR/YR)	0.9	G/H/H	BACT-PSD
WY-0046	MEDICINE BOW IGL PLANT	CARBON	WY	CT-5873	03/04/09	04/20/09	BLACK START GENERATOR 2	2589	HP	LIMITED OPERATING HOURS (250 HR/YR)	0.9	G/H/H	BACT-PSD
WY-0046	MEDICINE BOW IGL PLANT	CARBON	WY	CT-5873	03/04/09	04/20/09	BLACK START GENERATOR 3	2589	HP	LIMITED OPERATING HOURS (250 HR/YR)	0.9	G/H/H	BACT-PSD
WY-0047	LENO SPRINGS GAS PLANT	CARBON	WY	MD-7237	04/01/09	04/16/09	HOT OIL HEATER 328	84	MMBTU/H	GOOD COMBUSTION PRACTICES	0.02	LB/MMBTU	BACT-PSD

Source: EPA RBLC, queried May 2014

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Table 0-13. RBLC Database PM Emissions Query Results - Small Boilers & Heaters (<100 MMBtu/hr)

RBLID	FACILITY NAME	FACILITY COUNTY	STATE	PERMIT NUMBER	PERMIT ISSUANCE DATE	DATE DETERMINATION LAST UPDATED	PROCESS NAME	THROUGHPUT		CONTROL METHOD	EMISSIONS LIMIT 1		BACT
AK-0071	INTERNATIONAL STATION POWER PLANT	MUNICIPALITY OF ANCHORAGE	AK	AQ0164CPT01	12/20/10	07/27/12	Sigma Thermal Auxiliary Heater (1)	12.5	MMBTU/H	Good Combustion Practices	7.6	LB/MMSCF	BACT-PSD
AK-0071	INTERNATIONAL STATION POWER PLANT	MUNICIPALITY OF ANCHORAGE	AK	AQ0164CPT01	12/20/10	07/27/12	Sigma Thermal Auxiliary Heater (1)	12.5	MMBTU/H	Good Combustion Practices	7.6	LB/MMSCF	BACT-PSD
AK-0071	INTERNATIONAL STATION POWER PLANT	MUNICIPALITY OF ANCHORAGE	AK	AQ0164CPT01	12/20/10	07/27/12	Sigma Thermal Auxiliary Heater (1)	12.5	MMBTU/H	Good Combustion Practices	7.6	LB/MMSCF	BACT-PSD
AK-0097	FENAI NITROGEN OPERATIONS	USA	AK	AQ0083CPT06	01/06/16	02/19/16	Startup Heater	101	MMBTU/H	Limited Use (200 hr/yr)	0.0074	LB/MMBTU	BACT-PTE
AK-0097	FENAI NITROGEN OPERATIONS	USA	AK	AQ0083CPT06	01/06/16	02/19/16	Startup Heater	101	MMBTU/H		0.0074	LB/MMBTU	BACT-PTE
AK-0097	FENAI NITROGEN OPERATIONS	USA	AK	AQ0083CPT06	01/06/16	02/19/16	Startup Heater	101	MMBTU/H	Limited Use (200 hr/yr)	0.0074	LB/MMBTU	BACT-PSD
AL-0230	HYSTRON RUPP STEEL AND STAINLESS USA, LLC	MOBILE	AL	0095-X001 THRU X	08/17/07	11/13/13	NATURAL GAS-FIRED BATCH ANNEALING FURNACES (LA33, LA64)	33.4	MMBTU each		0.0076	LB/MMBTU	BACT-PSD
AL-0230	HYSTRON RUPP STEEL AND STAINLESS USA, LLC	MOBILE	AL	0095-X001 THRU X	09/17/07	11/13/13	NATURAL GAS-FIRED PASSIVE ANNEALING FURNACE (LA41)	37.3	MMBTU/H		0.0076	LB/MMBTU	BACT-PSD
AL-0230	HYSTRON RUPP STEEL AND STAINLESS USA, LLC	MOBILE	AL	0095-X001 THRU X	03/17/07	11/13/13	NATURAL GAS-FIRED REHEAT FURNACE (LA31) (MULTIPLE EMISSION POINTS)	169	MMBTU/H	WET SCRUBBER & CYCLONE	0.0044	GR/DSCF	BACT-PSD
AL-0230	HYSTRON RUPP STEEL AND STAINLESS USA, LLC	MOBILE	AL	0095-X001 THRU X	09/17/07	11/13/13	NATURAL GAS-FIRED REHEAT FURNACE (LA31) (MULTIPLE EMISSION POINTS)	169	MMBTU/H	WET SCRUBBER & CYCLONE	0.0144	GR/DSCF	BACT-PSD
AL-0230	HYSTRON RUPP STEEL AND STAINLESS USA, LLC	MOBILE	AL	0095-X001 THRU X	03/17/07	11/13/13	NATURAL GAS-FIRED REHEAT FURNACE (LA31) (MULTIPLE EMISSION POINTS)	169	MMBTU/H		0.0076	LB/MMBTU	BACT-PSD
AL-0230	HYSTRON RUPP STEEL AND STAINLESS USA, LLC	MOBILE	AL	0095-X001 THRU X	03/17/07	11/13/13	NATURAL GAS-FIRED REHEAT FURNACE (LA31) (MULTIPLE EMISSION POINTS)	169	MMBTU/H		0.0076	LB/MMBTU	BACT-PSD
AL-0230	HYSTRON RUPP STEEL AND STAINLESS USA, LLC	MOBILE	AL	0095-X001 THRU X	03/17/07	11/13/13	NATURAL GAS-FIRED REHEAT FURNACE (LA31) (MULTIPLE EMISSION POINTS)	169	MMBTU/H		0.0076	LB/MMBTU	BACT-PSD
AL-0230	HYSTRON RUPP STEEL AND STAINLESS USA, LLC	MOBILE	AL	0095-X001 THRU X	03/17/07	11/13/13	NATURAL GAS-FIRED REHEAT FURNACE (LA31) (MULTIPLE EMISSION POINTS)	169	MMBTU/H		0.0076	LB/MMBTU	BACT-PSD
AL-0230	HYSTRON RUPP STEEL AND STAINLESS USA, LLC	MOBILE	AL	0095-X001 THRU X	03/17/07	11/13/13	NATURAL GAS-FIRED REHEAT FURNACE (LA31) (MULTIPLE EMISSION POINTS)	169	MMBTU/H	BAGHOUSE	0.015	GR/DSCF	BACT-PSD
AL-0230	HYSTRON RUPP STEEL AND STAINLESS USA, LLC	MOBILE	AL	0095-X001 THRU X	03/17/07	11/13/13	NATURAL GAS-FIRED BATCH ANNEALING FURNACE (LA35)	99	MMBTU/H		0.0076	LB/MMBTU	BACT-PSD
AL-0231	MUCOR DECATUR LLC	MORGAN	AL	712-0017	04/12/07	09/21/07	GALVANIZING LINE FURNACE	86.7	MMBTU/H		0.0076	LB/MMBTU	BACT-PSD
AR-0090	MUCOR STEEL ARKANSAS	MISSISSIPPI	AR	1139-AOP-R6	04/01/06	04/24/12	ANNEALING FURNACES (AF-6)	4.8	LB/MMBTU	GOOD COMBUSTION PRACTICE	0.3	LB/H	BACT-PSD
CA-1191	VICTORVILLE 2 HYBRID POWER PROJECT	SAN BERNARDINO	CA	SE 07-02	03/11/10	01/10/14	AUXILIARY HEATER	40	MMBTU/H	OPERATIONAL RESTRICTION OF 1000 HR/YR, USE P	0.3	LMS PER 1000	BACT-PSD
CA-1191	VICTORVILLE 2 HYBRID POWER PROJECT	SAN BERNARDINO	CA	SE 07-02	03/11/10	01/10/14	AUXILIARY HEATER	40	MMBTU/H	OPERATIONAL RESTRICTION OF 1000 HR/YR	0.3	LMS PER 1000	BACT-PSD
*IA-0106	TRIS NITROGEN, LLC - PORT NEAL NITROGEN	WOODBURY	IA	PN 13-037	07/12/13	05/04/16	Startup Heater	58.8	MMBTU/H	good operating practices and use of natural gas	0.0124	LB/MMBTU	BACT-PSD
*IA-0106	TRIS NITROGEN, LLC - PORT NEAL NITROGEN	WOODBURY	IA	PN 13-037	07/12/13	05/04/16	Startup Heater	58.8	MMBTU/H	good operating practices & use of natural gas	0.0124	LB/MMBTU	BACT-PSD
*IA-0106	TRIS NITROGEN, LLC - PORT NEAL NITROGEN	WOODBURY	IA	PN 13-037	07/12/13	05/04/16	Startup Heater	58.8	MMBTU/H	good operating practices & use of natural gas	0.0124	LB/MMBTU	BACT-PSD
*IA-0107	MARSHALLTOWN GENERATING STATION	MARSHALL	IA	18-A-459-P	04/14/14	05/04/16	dew point heater	13.52	mmBtu/hr		0.008	LB/MMBTU	BACT-PSD
LA-0124	SHANTON PLASTICS PLANT 2	BERWICK	LA	PSD-LA-781	07/10/08	04/20/09	EQT133-EQT135 - FOUR VCM CRACKING FURNACES	90	MMBTU/H	GOOD COMBUSTION PRACTICES AND CLEAN BURN	0.007	LB/MMBTU	BACT-PSD
LA-0231	LAKE CHARLES GASIFICATION FACILITY	CALCASIEU	LA	PSD-LA-742	04/22/09	05/17/10	SHIFT REACTOR STARTUP HEATER	84.2	MMBTU/H	GOOD DESIGN AND PROPER OPERATION	0.25	LB/H	BACT-PSD
LA-0231	LAKE CHARLES GASIFICATION FACILITY	CALCASIEU	LA	PSD-LA-742	04/22/09	05/17/10	GASIFIER STARTUP PREHEATER BURNERS (5)	35	MMBTU/H	GOOD DESIGN AND PROPER OPERATION	0.07	LB/H	BACT-PSD
LA-0244	AXIS CHARLES CHEMICAL COMPLEX - LAB UNIT	CALCASIEU	LA	PSD-LA-791(M3)	11/29/10	07/04/11	EQT0027 - PACOL CHARGE HEATER H-201	87.8	MMBTU/H		0.88	LB/H	BACT-PSD
LA-0244	AXIS CHARLES CHEMICAL COMPLEX - LAB UNIT	CALCASIEU	LA	PSD-LA-791(M3)	11/29/10	07/04/11	EQT0028 - PACOL START UP HEATER H-202	21	MMBTU/H	No additional Control	0.21	LB/H	BACT-PSD
LA-0244	AXIS CHARLES CHEMICAL COMPLEX - LAB UNIT	CALCASIEU	LA	PSD-LA-791(M3)	11/29/10	07/04/11	EQT0029 - Hot Oil Heater H-601	170	MMBTU/H	No additional control	1.71	LB/H	BACT-PSD
*LA-0272	AMMONIA PRODUCTION FACILITY	JEFFERSON	LA	PSD-LA-768	03/27/13	05/04/16	PRIMARY REFORMER FURNACE (101-B)	956.2	MM BTU/HR	GOOD COMBUSTION PRACTICES; PROPER DESIGN	8.55	LB/H	BACT-PSD
*LA-0272	AMMONIA PRODUCTION FACILITY	JEFFERSON	LA	PSD-LA-768	03/27/13	05/04/16	PRIMARY REFORMER FURNACE (101-B)	956.2	MM BTU/HR	GOOD COMBUSTION PRACTICES; PROPER DESIGN	8.55	LB/H	BACT-PSD
*LA-0272	AMMONIA PRODUCTION FACILITY	JEFFERSON	LA	PSD-LA-768	03/27/13	05/04/16	AMMONIA START-UP HEATER (102-B)	39.4	MM BTU/HR	GOOD COMBUSTION PRACTICES; PROPER DESIGN	0.33	LB/H	BACT-PSD
*LA-0272	AMMONIA PRODUCTION FACILITY	JEFFERSON	LA	PSD-LA-768	03/27/13	05/04/16	AMMONIA START-UP HEATER (102-B)	39.4	MM BTU/HR	GOOD COMBUSTION PRACTICES; PROPER DESIGN	0.33	LB/H	BACT-PSD
MD-0016	DOMINION	CALVERT	MD	CPCN 9053	03/10/06	05/07/07	FUEL GAS PROCESS HEATER			USE OF LNG QUALITY, LOW SULFUR NATURAL GAS	0.0174	LB/MMBTU	BACT-PSD
MD-0090	CPV ST CHARLES	CHARLES	MD	PCN CASE NO. 812	11/12/03	02/20/08	HEATER	1.7	MMBTU/H		0.007	LB/MMBTU	BACT-PSD
MD-0090	CPV ST CHARLES	CHARLES	MD	PCN CASE NO. 812	11/12/08	02/20/09	HEATER	1.7	MMBTU/H		0.007	LB/MMBTU	BACT-PSD
MD-0090	CPV ST CHARLES	CHARLES	MD	PCN CASE NO. 812	11/12/08	02/20/09	HEATER	1.7	MMBTU/H		0.007	LB/MMBTU	LAER
*MD-0041	CPV ST. CHARLES	CHARLES	MD	PSC CASE NO. 8289	04/23/14	03/18/16	FUEL GAS HEATER	9.3	MMBTU/H	USE OF PIPELINE QUALITY NATURAL GAS AND GOO	0.007	LB/MMBTU	BACT-PSD
*MD-0041	CPV ST. CHARLES	CHARLES	MD	PSC CASE NO. 8289	04/23/14	03/18/16	FUEL GAS HEATER	9.3	MMBTU/H	USE OF PIPELINE QUALITY NATURAL GAS AND GOO	0.007	LB/MMBTU	BACT-PSD
*MD-0042	WILDCAT POINT GENERATION FACILITY	CECIL	MD	PCN CASE NO. 932	04/09/14	03/16/16	DEW POINT HEATER	5	MMBTU/H	EXCLUSIVE USE OF PIPELINE QUALITY NATURAL GA	0.0075	LB/MMBTU	BACT-PSD
*MD-0042	WILDCAT POINT GENERATION FACILITY	CECIL	MD	PCN CASE NO. 932	04/09/14	03/16/16	DEW POINT HEATER	5	MMBTU/H	EXCLUSIVE USE OF PIPELINE QUALITY NATURAL GA	0.0075	LB/MMBTU	BACT-PSD
*MD-0042	WILDCAT POINT GENERATION FACILITY	CECIL	MD	PCN CASE NO. 932	04/09/14	03/16/16	DEW POINT HEATER	5	MMBTU/H	EXCLUSIVE USE OF PIPELINE QUALITY NATURAL GA	0.0075	LB/MMBTU	BACT-PSD
*MD-0045	MATTAWOMAN ENERGY CENTER	PRINCE GEORGE'S	MD	PSC CASE NO. 9336	11/13/15	05/13/16	FUEL GAS HEATER	13.8	MMBTU/H	USE OF PIPELINE QUALITY NATURAL GAS AND GOO	0.0019	LB/MMBTU	BACT-PSD
*MD-0045	MATTAWOMAN ENERGY CENTER	PRINCE GEORGE'S	MD	PSC CASE NO. 9336	11/13/15	05/13/16	FUEL GAS HEATER	13.8	MMBTU/H	USE OF PIPELINE QUALITY NATURAL GAS AND GOO	0.0079	LB/MMBTU	BACT-PSD
*MD-0045	MATTAWOMAN ENERGY CENTER	PRINCE GEORGE'S	MD	PSC CASE NO. 9336	11/13/15	05/13/16	FUEL GAS HEATER	13.8	MMBTU/H	USE OF PIPELINE QUALITY NATURAL GAS AND GOO	0.0079	LB/MMBTU	BACT-PSD
*MI-0410	THETFORD GENERATING STATION	GENESEE	MI	191-12	07/25/13	05/04/16	FG-PEAKERS: 2 natural gas fired simple cycle combustion turbines	171	MMBTU/H	Efficient combustion; natural gas fuel.	0.01	LB/MMBTU	BACT-PSD
*MI-0410	THETFORD GENERATING STATION	GENESEE	MI	191-12	07/25/13	05/04/16	FG-PEAKERS: 2 natural gas fired simple cycle combustion turbines	171	MMBTU/H	Efficient combustion; natural gas fuel.	0.03	LB/MMBTU	BACT-PSD
*MI-0410	THETFORD GENERATING STATION	GENESEE	MI	191-12	07/25/13	05/04/16	FG-PEAKERS: 2 natural gas fired simple cycle combustion turbines	171	MMBTU/H	Efficient combustion; natural gas fuel.	0.02	LB/MMBTU	BACT-PSD
*MI-0410	THETFORD GENERATING STATION	GENESEE	MI	191-12	07/25/13	05/04/16	FG-FUELHTRS: 2 natural gas fuel heaters, 12 MMBTU/H each	12	heat input eac	Efficient combustion; natural gas fuel.	0.007	LB/MMBTU	BACT-PSD
*MI-0410	THETFORD GENERATING STATION	GENESEE	MI	191-12	07/25/13	05/04/16	FG-FUELHTRS: 2 natural gas fuel heaters, 12 MMBTU/H each	12	heat input eac	Efficient combustion; natural gas fuel.	0.007	LB/MMBTU	BACT-PSD
*MI-0410	THETFORD GENERATING STATION	GENESEE	MI	191-12	07/25/13	05/04/16	FG-FUELHTRS: 2 natural gas fuel heaters, 12 MMBTU/H each	12	heat input eac	Efficient combustion; natural gas fuel.	0.0018	LB/MMBTU	BACT-PSD
*MI-0412	AND BOARD OF PUBLIC WORKS - EAST 8TH ST	OTTAWA	MI	107-13	12/04/13	05/05/16	Fuel pre-heater (EUFUELHTR)	3.7	MMBTU/H	Good combustion practices.	0.007	LB/MMBTU	BACT-PSD
*MI-0412	AND BOARD OF PUBLIC WORKS - EAST 8TH ST	OTTAWA	MI	107-13	12/04/13	05/05/16	Fuel pre-heater (EUFUELHTR)	3.7	MMBTU/H	Good combustion practices	0.0079	LB/MMBTU	BACT-PSD
*MI-0412	AND BOARD OF PUBLIC WORKS - EAST 8TH ST	OTTAWA	MI	107-13	12/04/13	05/05/16	Fuel pre-heater (EUFUELHTR)	3.7	MMBTU/H	Good combustion practices.	0.0079	LB/MMBTU	BACT-PSD
MN-0070	MINNESOTA STEEL INDUSTRIES, LLC	ITASCA	MN	06100067-001	09/07/07	10/30/08	PROCESS HEATERS	60	MMBTU/H		0.015	LB/MMBTU	BACT-PSD
MN-0070	MINNESOTA STEEL INDUSTRIES, LLC	ITASCA	MN	06100067-001	09/07/07	10/30/08	PROCESS HEATERS	60	MMBTU/H		0.015	LB/MMBTU	BACT-PSD
MN-0070	MINNESOTA STEEL INDUSTRIES, LLC	ITASCA	MN	06100067-001	09/07/07	10/30/08	SMALL BOILERS & HEATERS(<10 MMBTU/H)	99	MMBTU/H		0.0023	GR/DSCF	BACT-PSD
*MS-0092	EMBE RCLAR OIL MS	ADAMS	MS	0040-00055	05/08/14	01/13/15	13 MMBtu/hr mechanol-to-gasoline regeneration heater, equipped with low-NOx bur	18	MMBTU/H		0		BACT-PSD
*MS-0092	EMBE RCLAR OIL MS	ADAMS	MS	0040-00055	05/08/14	01/13/15	13 MMBtu/hr mechanol-to-gasoline regeneration heater, equipped with low-NOx bur	18	MMBTU/H		0		BACT-PSD
*MS-0092	EMBE RCLAR OIL MS	ADAMS	MS	0040-00055	05/08/14	01/13/15	13 MMBtu/hr mechanol-to-gasoline regeneration heater, equipped with low-NOx bur	18	MMBTU/H		0		BACT-PSD
*MS-0092	EMBE RCLAR OIL MS	ADAMS	MS	0040-00055	05/08/14	01/13/15	Five 12 MMBtu/hr reactor heaters, equipped with low-NOx burners	12	MMBTU/H		0		BACT-PSD
*MS-0092	EMBE RCLAR OIL MS	ADAMS	MS	0040-00055	05/08/14	01/13/15	Five 12 MMBtu/hr reactor heaters, equipped with low-NOx burners	12	MMBTU/H		0		BACT-PSD
*MS-0092	EMBE RCLAR OIL MS	ADAMS	MS	0040-00055	05/08/14	01/13/15	Five 12 MMBtu/hr reactor heaters, equipped with low-NOx burners	12	MMBTU/H		0		BACT-PSD
NV-0047	NELLIS AIR FORCE BASE	CLARK	NV	114	02/26/08	10/21/08	BOILERS/HEATERS - NATURAL GAS-FIRED			FUEL GAS RECIRCULATION	0.0077	LB/MMBTU	Per Case-by-Case
NV-0050	MGM MIRAGE	CLARK	NV	825	11/30/07	07/13/10	WATER HEATERS - LIMITS NYSEE AND NYSEB AT NEW YORK - NEW YORK	7	MMBTU/H	LIMITING THE FUEL TO NATURAL GAS ONLY AND G	0.0075	LB/MMBTU	Per Case-by-Case
*OH-0111	CENTRAL ELECTRIC AVIATION, EVENDALE PLAN	HAMILTON	OH	P0112127	05/07/13	05/04/16	4 Indirect-Fired Air Preheaters	0			0.007	LB/MMBTU	N/A
OH-0134	PRYOR PLANT CHEMICAL	MAYES	OK	2008-100-C PSD	02/27/09	08/30/11	Nitric Acid Preheaters No. 1 (EU 401, EUG 4)	30	MMBTU/H	Natural gas combustion	0.16	LB/H	
OH-0134	PRYOR PLANT CHEMICAL	MAYES	OK	2008-100-C PSD	02/27/09	07/30/11	Nitric Acid Preheaters No. 1 (EU 401, EUG 4)	30	MMBTU/H	Natural gas combustion	0.19	LB/H	BACT-PSD
OH-0135	PRYOR PLANT CHEMICAL	MAYES	OK	2008-100-C PSD	02/27/09	02/18/10	NITRIC ACID PREHEATERS #1, #3, AND #4	20	MMBTU/H		0.19	LB/H	BACT-PSD
OH-0135	PRYOR PLANT CHEMICAL	MAYES	OK	2008-100-C PSD	02/27/09	02/18/10	NITRIC ACID PREHEATERS #1, #3, AND #4	20	MMBTU/H		0.19	LB/H	BACT-PSD
*PA-0236	BASS HOLLOW ENERGY ASSOC LLC/CONTELLAUN	BERKS	PA	06-05150A	12/17/13	05/04/16	Fuel Preheater	8.5	MMBTU/H		0.007	LB/MMBTU	PER CASE-BY-CASE
SC-0112	MUCOR STEEL - BERKELEY	BERKELEY	SC	0430-0040-DO	05/05/08	10/20/13	TUNNEL FURNACE BURNERS	58	MMBTU/H	NATURAL GAS COMBUSTION WITH GOOD COMBUST	0.0026	LB/MMBTU	BACT-PSD
SC-0114	GP ALLENDALE LP	ALLENDALE	SC	0160-0030-CB	11/25/08	10/16/13	NATURAL GAS SPACE HEATERS - 14 UNITS (ID 18)	20.83	MMBTU/H		0.19	LB/H	BACT-PSD
SC-0114	GP ALLENDALE LP	ALLENDALE	SC	0160-0030-CB	11/25/08	10/16/13	NATURAL GAS SPACE HEATERS - 14 UNITS (ID 18)	20.83	MMBTU/H		0.19	LB/H	BACT-PSD
SC-0114	GP ALLENDALE LP	ALLENDALE	SC	0160-0030-CB	11/25/08	10/16/13	334 MILLION BTU/HR WOOD FIRED FURNACE #1	334	MMBTU/H	WET ELECTROSTATIC PRECIPITATORS	58.99	LB/H	BACT-PSD

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Table C.15. RBLC Database 9M Emissions Query Results - Small Boilers & Heaters (<100 MMBtu/hr)

RBLID	FACILITY NAME	FACILITY COUNTY	STATE	PERMIT NUMBER	PERMIT ISSUANCE DATE	DATE DETERMINATION LAST UPDATED	PROCESS NAME	THROUGHPUT		CONTROL METHOD	EMISSIONS UNIT 1		BASIS
SC-0114	GP ALLENDALE LP	ALLENDALE	SC	0160-0020-CB	11/25/03	10/16/12	334 MILLION BTU/HR WOOD FIRED FURNACE #1	334	MMBTU/H	WET ELECTROSTATIC PRECIPITATORS	38.99	LB/H	BACT-PSD
SC-0114	GP ALLENDALE LP	ALLENDALE	SC	0160-0020-CB	11/25/03	10/16/12	334 MILLION BTU/HR WOOD FIRED FURNACE #2	334	MMBTU/H	WET ELECTROSTATIC PRECIPITATORS	38.99	LB/H	BACT-PSD
SC-0114	GP ALLENDALE LP	ALLENDALE	SC	0160-0020-CB	11/25/03	10/16/12	334 MILLION BTU/HR WOOD FIRED FURNACE #3	334	MMBTU/H	SOURCES VENT TO A COMMON STACK WITH THE C	38.99	LB/H	BACT-PSD
SC-0114	GP ALLENDALE LP	ALLENDALE	SC	0160-0020-CB	11/25/03	10/16/12	75 MILLION BTU/HR BACKUP THERMAL OIL HEATER	75	MMBTU/H		0.54	LB/H	BACT-PSD
SC-0114	GP ALLENDALE LP	ALLENDALE	SC	0160-0020-CB	11/25/08	10/16/12	75 MILLION BTU/HR BACKUP THERMAL OIL HEATER	75	MMBTU/H		0.54	LB/H	BACT-PSD
SC-0115	GP CLARENDON LP	CLARENDON	SC	0420-0046-CB	02/10/09	10/16/12	334 MILLION BTU/HR WOOD FIRED FURNACE #2	334	MMBTU/H	WET ELECTROSTATIC PRECIPITATORS	38.99	LB/H	BACT-PSD
SC-0115	GP CLARENDON LP	CLARENDON	SC	0420-0046-CB	02/10/09	10/16/12	334 MILLION BTU/HR WOOD FIRED FURNACE #2	334	MMBTU/H	WET ELECTROSTATIC PRECIPITATORS	38.99	LB/H	BACT-PSD
SC-0115	GP CLARENDON LP	CLARENDON	SC	0420-0046-CB	02/10/09	10/16/12	197 MILLION BTU/HR WOOD FIRED FURNACE	197	MMBTU/H	WET ELECTROSTATIC PRECIPITATORS	38.99	LB/H	BACT-PSD
SC-0115	GP CLARENDON LP	CLARENDON	SC	0420-0046-CB	02/10/09	10/16/12	197 MILLION BTU/HR WOOD FIRED FURNACE	197	MMBTU/H	WET ELECTROSTATIC PRECIPITATORS	38.99	LB/H	BACT-PSD
SC-0115	GP CLARENDON LP	CLARENDON	SC	0420-0046-CB	02/10/09	10/16/12	75 MILLION BTU/HR BACKUP THERMAL OIL HEATER	75	MMBTU/H	GOOD COMBUSTION PRACTICES WILL BE USED AS	0.54	LB/H	BACT-PSD
SC-0115	GP CLARENDON LP	CLARENDON	SC	0420-0046-CB	02/10/09	10/16/12	75 MILLION BTU/HR BACKUP THERMAL OIL HEATER	75	MMBTU/H	GOOD COMBUSTION PRACTICES WILL BE USED AS	0.54	LB/H	BACT-PSD
SC-0115	GP CLARENDON LP	CLARENDON	SC	0420-0046-CB	02/10/09	10/16/12	ROTARY FLAKE DRYER #1	85000	OVEN DRY/H	WET ELECTROSTATIC PRECIPITATORS	38.99	LB/H	BACT-PSD
SC-0115	GP CLARENDON LP	CLARENDON	SC	0420-0046-CB	02/10/09	10/16/12	ROTARY FLAKE DRYER #1	85000	OVEN DRY/H	WET ELECTROSTATIC PRECIPITATORS	38.99	LB/H	BACT-PSD
SC-0115	GP CLARENDON LP	CLARENDON	SC	0420-0046-CB	02/10/09	10/16/12	ROTARY FLAKE DRYER #2	85000	B/H OVEN DR	WET ELECTROSTATIC PRECIPITATORS	38.99	LB/H	BACT-PSD
SC-0115	GP CLARENDON LP	CLARENDON	SC	0420-0046-CB	02/10/09	10/16/12	ROTARY FLAKE DRYER #2	85000	B/H OVEN DR	WET ELECTROSTATIC PRECIPITATORS	38.99	LB/H	BACT-PSD
SC-0115	GP CLARENDON LP	CLARENDON	SC	0420-0046-CB	02/10/09	10/16/12	ROTARY FIBER DRYER	75000	B/H OVEN DR	WET ELECTROSTATIC PRECIPITATORS	38.99	LB/H	BACT-PSD
SC-0115	GP CLARENDON LP	CLARENDON	SC	0420-0046-CB	02/10/09	10/16/12	ROTARY FIBER DRYER	75000	B/H OVEN DR	WET ELECTROSTATIC PRECIPITATORS	38.99	LB/H	BACT-PSD
SC-0115	GP CLARENDON LP	CLARENDON	SC	0420-0046-CB	02/10/09	10/16/12	NATURAL GAS SPACE HEATERS - 14 UNITS (ID 17)	20.09	MMBTU/H		0.15	LB/H	BACT-PSD
SC-0115	GP CLARENDON LP	CLARENDON	SC	0420-0046-CB	02/10/09	10/16/12	NATURAL GAS SPACE HEATERS - 14 UNITS (ID 17)	20.09	MMBTU/H		0.15	LB/H	BACT-PSD
SC-0115	GP CLARENDON LP	CLARENDON	SC	0420-0046-CB	02/10/09	10/16/12	334 MILLION BTU/HR WOOD FIRED FURNACE #1	334	MMBTU/H	WET ELECTROSTATIC PRECIPITATORS	38.99	LB/H	BACT-PSD
SC-0115	GP CLARENDON LP	CLARENDON	SC	0420-0046-CB	02/10/09	10/16/12	334 MILLION BTU/HR WOOD FIRED FURNACE #1	334	MMBTU/H	WET ELECTROSTATIC PRECIPITATORS	38.99	LB/H	BACT-PSD
TX-0501	TEXSTAR GAS PROCESS FACILITY	HENDERSON COUNTY	TX	0-TX-3343 AND 8C	07/11/06	04/28/09	BOTTOM HEATERS (2)	15	MMBTU/H		0.12	LB/H	BACT-PSD
*TX-0656	GAS TO GASOLINE PLANT	JEFFERSON	TX	PTI 1340 AND 1027	05/16/14	05/12/16	Heaters	45	MMBTU/H	clean fuel and good combustion practices	0.81	T/YR	BACT-PSD
*TX-0656	GAS TO GASOLINE PLANT	JEFFERSON	TX	PTI 1340 AND 1027	05/16/14	05/12/16	Heaters	45	MMBTU/H	clean fuel and good combustion practices	0.81	T/YR	BACT-PSD
*TX-0656	GAS TO GASOLINE PLANT	JEFFERSON	TX	PTI 1340 AND 1027	05/16/14	05/12/16	Heaters (5)	74.3	MMBTU/H	clean fuel and good combustion practices	1.38	T/YR	BACT-PSD
*TX-0656	GAS TO GASOLINE PLANT	JEFFERSON	TX	PTI 1340 AND 1027	05/16/14	05/12/16	Heaters (5)	74.3	MMBTU/H	clean fuel and good combustion practices	1.38	T/YR	BACT-PSD
*TX-0663	JACKSON COUNTY GAS PLANT	JACKSON	TX	PSD-TX-1264	09/29/12	09/30/14	Heaters	17	MMBTU/H	Good combustion practices and fuel selection	0		BACT-PSD
*TX-0663	JACKSON COUNTY GAS PLANT	JACKSON	TX	PSD-TX-1264	05/29/12	09/30/14	Heaters	48	MMBTU/H	Best Combustion Practices	0		BACT-PSD
*TX-0663	JACKSON COUNTY GAS PLANT	JACKSON	TX	PSD-TX-1264	05/29/12	09/30/14	Heaters	10	MMBTU/H	Good combustion practices and fuel selection	0		BACT-PSD
*TX-0663	JACKSON COUNTY GAS PLANT	JACKSON	TX	PSD-TX-1264	05/29/12	09/30/14	Heaters	3	MMBTU/H	Good combustion practices and fuel selection	0		BACT-PSD
*TX-0671	TH ROBINSON ELECTRIC GENERATING STATION	GALVESTON	TX	103182 PSD-TX-1346	08/29/14	08/09/16	fuel gas heater	18	MMBTU/H		0		BACT-PSD
*TX-0694	INDIGO WHARTON ENERGY CENTER	WHARTON	TX	111724 PSD-TX-1374	02/02/15	05/09/16	heater	3	MMBTU/H		0		BACT-PSD
*TX-0772	BEAUMONT PETROLEUM TRANSLOAD TERMIN	ORANGE	TX	GHG PSD-TX-1108 AME	11/04/15	12/22/15	Commercial/Institutional-Size Boilers/Furnaces	40	MMBTU/H	Good combustion practice to ensure complete com	1.31	T/YR	BACT-PSD
*TX-0772	BEAUMONT PETROLEUM TRANSLOAD TERMIN	ORANGE	TX	GHG PSD-TX-1108 AME	11/04/15	12/22/15	Commercial/Institutional-Size Boilers/Furnaces	40	MMBTU/H	Good combustion practice to ensure complete com	1.31	T/YR	BACT-PSD
*TX-0772	BEAUMONT PETROLEUM TRANSLOAD TERMIN	ORANGE	TX	GHG PSD-TX-1108 AME	11/04/15	12/22/15	Commercial/Institutional-Size Boilers/Furnaces	85.7	MMBTU/H	Use of gaseous fuel with efficient combustion,	7.49	T/YR	BACT-PSD
*TX-0772	BEAUMONT PETROLEUM TRANSLOAD TERMIN	ORANGE	TX	GHG PSD-TX-1108 AME	11/04/15	12/22/15	Commercial/Institutional-Size Boilers/Furnaces	13.2	MMBTU/H	Good combustion practice to ensure complete com	0.4	T/YR	BACT-PSD
*TX-0772	BEAUMONT PETROLEUM TRANSLOAD TERMIN	ORANGE	TX	GHG PSD-TX-1108 AME	11/04/15	12/22/15	Commercial/Institutional-Size Boilers/Furnaces	13.2	MMBTU/H	Good combustion practice to ensure complete com	4	T/YR	BACT-PSD

Source: EPA RBLC, queried May 2016

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Table C-16. RBLC Database H_2SO_4 Emissions Query Results - Small Boilers & Heaters (<100 MMBtu/hr)

RBLID	FACILITY NAME	FACILITY COUNTY	STATE	PERMIT NUMBER	PERMIT ISSUANCE DATE	DATE DETERMINATION LAST UPDATED	PROCESS NAME	THROUGHPUT		CONTROL METHOD	EMISSIONS LIMIT		BASIS
*MD-0042	WILDCAT POINT GENERATION FACILITY	CECIL	MD	OPEN CASE NO. 9127	04/08/14	03/18/16	DEW POINT HEATER	3	MMBTU/H	USE OF EFFICIENT DESIGN OF THE HEATER, EXCLUSIV	0.0005	LB/MMBTU	BACT-PSD
*MD-0045	MATTAWOMAN ENERGY CENTER	PRINCE GEORGE'S	MD	PSC CASE, NO. 8330	11/18/15	05/13/16	FUEL GAS HEATER	13.8	MMBTU/H	EXCLUSIVE USE OF PIPELINE QUALITY NATURAL GAS	0.004	LB/MMBTU	BACT-PSD
*PA-0298	ERIE'S HOLLOW ENERGY ASSOC LLC/ONTELAUNE	BERKS	PA	06-05150A	12/17/13	05/04/16	Fuel Preheater	8.5	MMBTU/H		0.001	LB/MMBTU	OTHER CASE-BY-CASE

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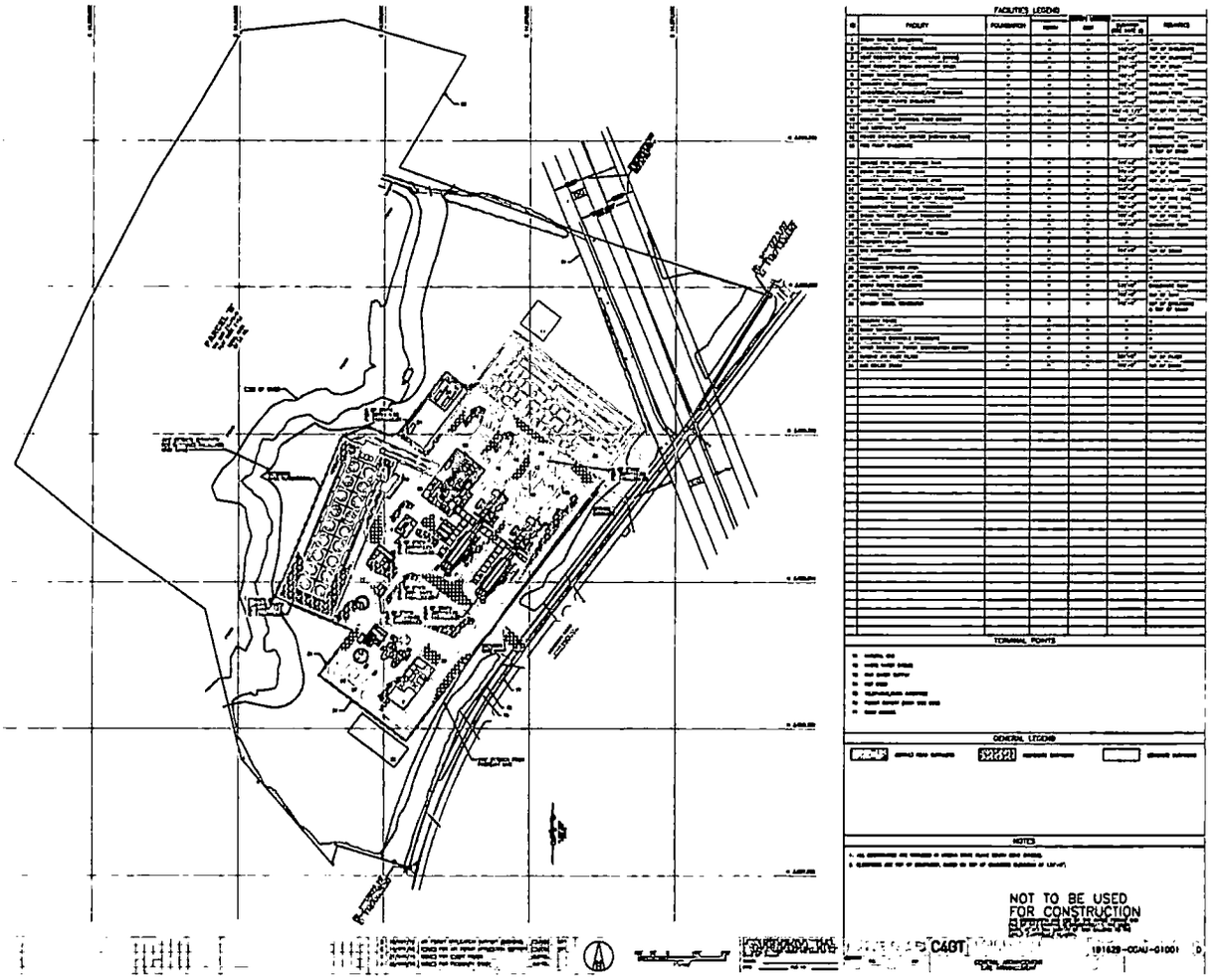
APPENDIX D

PLOT PLAN


FACILITIES LEGEND
TERMINAL POINTS
GENERAL LEGEND
NOTES
NOT TO BE USED
FOR CONSTRUCTION
C4GT

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APPENDIX E

AIR DISPERSION MODELING FILES

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APPENDIX F

BACKGROUND EMISSIONS INVENTORY

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APPENDIX G

AIR QUALITY IMPACTS, CONTOUR MAP