

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

6076

This table lists the maximum allowable emission rates and all sources of air contaminants on the applicant's property covered by this permit. The emission rates shown are those derived from information submitted as part of the application for permit and are the maximum rates allowed for these facilities. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	lb/hr TPY	Emission Rates *
CASE I:				
Natural Gas Firing				
BR-2-1	BOILER (5.396 MMBtu/hr)	SO2	.1	.014
		PM10	.02	.07
		CO	.11	.47
		VOC	.02	.12
		NOx	.54	2.36
BR-21-1	BOILER (4.0 MMBtu/hr)	SO2	<.01	.01
		PM10	.01	.05
		CO	.08	.35
		VOC	.2	.09
		NOx	.40	1.75
BR-2588-1	BOILER (2.8 MMBtu/hr)	SO2	<.01	.01
		PM10	.01	.04
		CO	.06	.25
		VOC	<.02	.07
		NOx	.28	1.23
BR-2588-2	BOILER (4.0 MMBtu/hr)	SO2	<.01	.01
		PM10	.01	.05
		CO	.08	.35
		VOC	.2	.09
		NOx	.40	1.75
BR-2588-3	BOILER (4.0 MMBtu/hr)	SO2	<.01	.01
		PM10	.01	.05

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
		CO	.08	.35
		VOC	.2	.09
		NOx	.40	1.75
BR-4973-1	BOILER (4.0 MMBtu/hr)	SO2	<.01	.01
		PM10	.01	.05
		CO	.08	.35
		VOC	.2	.09
		NOx	.40	1.75
BR-11142-1	BOILER (4.0 MMBtu/hr)	SO2	<.01	.01
		PM10	.01	.05
		CO	.08	.35
		VOC	.2	.09
		NOx	.40	1.75
BR-11202-1	BOILER (4.0 MMBtu/hr)	SO2	<.01	.01
		PM10	.01	.05
		CO	.08	.35
		VOC	.2	.09
		NOx	.40	1.75

*Emission rates are based on and the facilities are limited by the following maximum operating schedule:

Hrs/day___Days/week___Weeks/year___or Hrs/year 8,760

CASE II: No. 2 Fuel Oil Firing (720 Hours)

BR-2-1	BOILER (5.396 MMBtu/hr)	SO2	1.66	.62
		PM10	.11	.04

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
			CO	.215
			VOC	.03
			NOx	.77
BR-21-1	BOILER (4.0 MMBtu/hr)		SO2	1.23
			PM10	.085
			CO	.172
			VOC	.024
			NOx	.619
BR-2588-1	BOILER (2.8 MMBtu/hr)		SO2	.86
			PM10	.06
			CO	.12
			VOC	.01
			NOx	.43

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
BR-2588-2	BOILER (4.0 MMBtu/hr)	SO2	1.23	.44
		PM10	.085	.03
		CO	.172	.06
		VOC	.024	.01
		NOx	.619	.22
BR-2588-3	BOILER (4.0 MMBtu/hr)	SO2	1.23	.44
		PM10	.085	.03
		CO	.172	.06
		VOC	.024	.01
		NOx	.619	.22
BR-4973-1	BOILER (4.0 MMBtu/hr)	SO2	1.23	.44
		PM10	.085	.03
		CO	.172	.06
		VOC	.024	.01
		NOx	.619	.22
BR-11142-1	BOILER (4.0 MMBtu/hr)	SO2	1.23	.44
		PM10	.085	.03
		CO	.172	.06
		VOC	.024	.01
		NOx	.619	.22
BR-11202-1	BOILER (4.0 MMBtu/hr)	SO2	1.23	.44
		PM10	.085	.03
		CO	.172	.06
		VOC	.024	.01
		NOx	.619	.22

Emission rates are based on and the facilities are limited by the following maximum operating schedule:

Hrs/day___Days/week___Weeks/year___or Hrs/year 720

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY

CASE III:

**MAXIMUM ALLOWABLE ANNUAL EMISSION RATES - No. 2 Fuel Oil Firing (720 Hours)
and Natural Gas Firing (8,040 Hours)**

BR-2-1	BOILER (5.396 MMBtu/hr)	SO2	.62
		PM10	.1
		CO	.51
		VOC	.12
		NOx	2.45
BR-21-1	BOILER (4.0 MMBtu/hr)	SO2	.45
		PM10	.08
		CO	.38
		VOC	.09
		NOx	1.83
BR-2588-1	BOILER (2.8 MMBtu/hr)	SO2	.31
		PM10	.06
		CO	.27
		VOC	.07
		NOx	1.28
BR-2588-2	BOILER (4.0 MMBtu/hr)	SO2	.45
		PM10	.08
		CO	.38
		VOC	.09
		NOx	1.83
BR-2588-3	BOILER (4.0 MMBtu/hr)	SO2	.45
		PM10	.08
		CO	.38
		VOC	.09
		NOx	1.83
BR-4973-1	BOILER (4.0 MMBtu/hr)	SO2	.45
		PM10	.08

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
			CO	.38
			VOC	.09
			NOx	1.83

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
BR-11142-1	BOILER (4.0 MMBtu/hr)	SO2		.45
		PM10		.08
		CO		.38
		VOC		.09
		NOx		1.83
BR-11202-1	BOILER (4.0 MMBtu/hr)	SO2		.45
		PM10		.08
		CO		.38
		VOC		.09
		NOx		1.83

*Emission rates for the boilers listed above are based on and the facilities are limited by the following maximum operating schedule:

Hrs/day ___ Days/week ___ Weeks/year ___ or Hrs/year 8,760

GP-5885-1	GM ENGINE (2125hp)	SO2	2.01	.17
		PM	2.74	.23
		CO	12.56	1.07
		VOC	1.28	.11
		NOx	48.79	4.15
GP-5885-2	GM ENGINE (2125 hp)	SO2	2.01	.17
		PM	2.74	.23
		CO	12.56	1.07
		VOC	1.28	.11
		NOx	48.79	4.15
GP-5885-3	GM ENGINE (2125 hp)	SO2	2.01	.17
		PM	2.74	.23
		CO	12.56	1.07
		VOC	1.28	.11
		NOx	48.79	4.15
GP-5885-4	GM ENGINE	SO2	2.01	.17

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		
			lb/hr	TPY	
		(2125 hp)	PM	2.74	.23
			CO	12.56	1.07
			VOC	1.28	.11
			NOx	48.79	4.15
GP-5885-5	GM ENGINE (2125 hp)		SO2	2.01	.17
			PM	2.74	.23
			CO	12.56	1.07
			VOC	1.28	.11
			NOx	48.79	4.15
GP-5885-6	GM ENGINE (2125 hp)		SO2	2.01	.17
			PM	2.74	.23
			CO	12.56	1.07
			VOC	1.28	.11
			NOx	48.79	4.15
T-5885-1	JP-8 TANK FUGITIVES (4)		VOC	.01	.013
T-5885-2	JP-8 TANK FUGITIVES (4)		VOC	.01	.013
T-5885-3	JP-8 TANK FUGITIVES (4)		VOC	.01	.013

- (1) Emission point identification - either specific equipment designation or emission point number from plot plan.
- (2) Specific point source name. For fugitive sources use area name or fugitive source name.
- (3) PM - particulate matter
 PM10 - particulate matter less than 10 microns
 VOC - volatile organic compounds as defined in General Rule 101.1
 NOx - total oxides of nitrogen
 SO2 - sulfur dioxide
 CO - carbon monoxide

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY

(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

* Emission rates for the engines are based on and the facilities are limited by the following maximum operating schedule:

Hrs/day____Days/week____Weeks/year____or Hrs/year 170

Revised_____