

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 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)	<u>Emission Rates *</u>	
			lb/hr	TPY
CASE I: Natural Gas Firing				
BR-2-1	Boiler (5.396 MMBtu/hr)	SO ₂	0.1	0.014
		PM ₁₀	0.02	0.07
		CO	0.11	0.47
		VOC	0.02	0.12
		NO _x	0.54	2.36
BR-21-1	Boiler (4.0 MMBtu/hr)	SO ₂	<0.01	0.01
		PM ₁₀	0.01	0.05
		CO	0.08	0.35
		VOC	0.2	0.09
		NO _x	0.40	1.75
BR-2588-1	Boiler (2.8 MMBtu/hr)	SO ₂	<0.01	0.01
		PM ₁₀	0.01	0.04
		CO	0.06	0.25
		VOC	<0.02	0.07
		NO _x	0.28	1.23
BR-2588-2	Boiler (4.0 MMBtu/hr)	SO ₂	<0.01	0.01
		PM ₁₀	0.01	0.05
		CO	0.08	0.35
		VOC	0.2	0.09
		NO _x	0.40	1.75
BR-2588-3	Boiler (4.0 MMBtu/hr)	SO ₂	<0.01	0.01
		PM ₁₀	0.01	0.05
		CO	0.08	0.35
		VOC	0.2	0.09
		NO _x	0.40	1.75

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BR-4973-1	Boiler (4.0 MMBtu/hr)	SO ₂	<0.01	0.01
		PM ₁₀	0.01	0.05
		CO	0.08	0.35
		VOC	0.2	0.09
		NO _x	0.40	1.75

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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)	SO ₂	<0.01	0.01
		PM ₁₀	0.01	0.05
		CO	0.08	0.35
		VOC	0.2	0.09
		NO _x	0.40	1.75
BR-11202-1	Boiler (4.0 MMBtu/hr)	SO ₂	<0.01	0.01
		PM ₁₀	0.01	0.05
		CO	0.08	0.35
		VOC	0.2	0.09
		NO _x	0.40	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)	SO ₂	1.66	0.62
		PM ₁₀	0.11	0.04
		CO	0.215	0.08
		VOC	0.03	0.01
		NO _x	0.77	0.28
BR-21-1	Boiler (4.0 MMBtu/hr)	SO ₂	1.23	0.44
		PM ₁₀	0.085	0.03
		CO	0.172	0.06
		VOC	0.024	0.01
		NO _x	0.619	0.22
BR-2588-1	Boiler (2.8 MMBtu/hr)	SO ₂	0.86	0.30
		PM ₁₀	0.06	0.02

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CO	0.12	0.04
VOC	0.01	0.01
NO _x	0.43	0.15

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
BR-2588-2	Boiler (4.0 MMBtu/hr)	SO ₂	1.23	0.44
		PM ₁₀	0.085	0.03
		CO	0.172	0.06
		VOC	0.024	0.01
		NO _x	0.619	0.22
BR-2588-3	Boiler (4.0 MMBtu/hr)	SO ₂	1.23	0.44
		PM ₁₀	0.085	0.03
		CO	0.172	0.06
		VOC	0.024	0.01
		NO _x	0.619	0.22
BR-4973-1	Boiler (4.0 MMBtu/hr)	SO ₂	1.23	0.44
		PM ₁₀	0.085	0.03
		CO	0.172	0.06
		VOC	0.024	0.01
		NO _x	0.619	0.22
BR-11142-1	Boiler (4.0 MMBtu/hr)	SO ₂	1.23	0.44
		PM ₁₀	0.085	0.03
		CO	0.172	0.06
		VOC	0.024	0.01
		NO _x	0.619	0.22
BR-11202-1	Boiler (4.0 MMBtu/hr)	SO ₂	1.23	0.44
		PM ₁₀	0.085	0.03
		CO	0.172	0.06
		VOC	0.024	0.01
		NO _x	0.619	0.22

* 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

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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)	SO ₂	0.62
		PM ₁₀	0.1
		CO	0.51
		VOC	0.12
		NO _x	2.45
BR-21-1	Boiler (4.0 MMBtu/hr)	SO ₂	0.45
		PM ₁₀	0.08
		CO	0.38
		VOC	0.09
		NO _x	1.83
BR-2588-1	Boiler (2.8 MMBtu/hr)	SO ₂	0.31
		PM ₁₀	0.06
		CO	0.27
		VOC	0.07
		NO _x	1.28
BR-2588-2	Boiler (4.0 MMBtu/hr)	SO ₂	0.45
		PM ₁₀	0.08
		CO	0.38
		VOC	0.09
		NO _x	1.83
BR-2588-3	Boiler (4.0 MMBtu/hr)	SO ₂	0.45
		PM ₁₀	0.08
		CO	0.38
		VOC	0.09
		NO _x	1.83
BR-4973-1	Boiler (4.0 MMBtu/hr)	SO ₂	0.45
		PM ₁₀	0.08

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CO	0.38
VOC	0.09
NO _x	1.83

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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
BR-11142-1	Boiler (4.0 MMBtu/hr)	SO ₂		0.45
		PM ₁₀		0.08
		CO		0.38
		VOC		0.09
		NO _x		1.83
BR-11202-1	Boiler (4.0 MMBtu/hr)	SO ₂		0.45
		PM ₁₀		0.08
		CO		0.38
		VOC		0.09
		NO _x		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 (2,125hp)	SO ₂	2.01	0.17
		PM	2.74	0.23
		CO	12.56	1.07
		VOC	1.28	0.11
		NO _x	48.79	4.15
GP-5885-2	GM Engine (2,125 hp)	SO ₂	2.01	0.17
		PM	2.74	0.23
		CO	12.56	1.07
		VOC	1.28	0.11
		NO _x	48.79	4.15
GP-5885-3	GM Engine (2,125 hp)	SO ₂	2.01	0.17
		PM	2.74	0.23
		CO	12.56	1.07

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VOC	1.28	0.11
NO _x	48.79	4.15

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
GP-5885-4	GM Engine (2,125 hp)	SO ₂	2.01	0.17
		PM	2.74	0.23
		CO	12.56	1.07
		VOC	1.28	0.11
		NO _x	48.79	4.15
GP-5885-5	GM Engine (2,125 hp)	SO ₂	2.01	0.17
		PM	2.74	0.23
		CO	12.56	1.07
		VOC	1.28	0.11
		NO _x	48.79	4.15
GP-5885-6	GM Engine (2,125 hp)	SO ₂	2.01	0.17
		PM	2.74	0.23
		CO	12.56	1.07
		VOC	1.28	0.11
		NO _x	48.79	4.15
T-5885-1	JP-8 Tank Fugitives (4)	VOC	0.01	0.013
T-5885-2	JP-8 Tank Fugitives (4)	VOC	0.01	0.013
T-5885-3	JP-8 Tank Fugitives (4)	VOC	0.01	0.013

- (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

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VOC - volatile organic compounds as defined in General Rule 101.1

NO_x - total oxides of nitrogen

SO₂ - sulfur dioxide

CO - carbon monoxide

- (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

Dated _____