

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 5261

This table lists the maximum allowable emission rates and all sources of air contaminants on the applicant's property covered by this permit.

AIR

## CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
PHASE 1				
0-03	Waste Solvent Tank	VOC	<0.01	0.01
		non-VOC	<0.01	<0.01
0-05	Technical Building Diesel Tank	VOC	<0.01	<0.01
0-06	Site Diesel Tank	VOC	<0.01	0.02
0-07	Site Gasoline Tank	VOC	0.02	0.09
0-09	West Building Hydrochloric 0.01 Tank	Acid		<0.01
1-03, 1-05, 1-11, 1-14, 1-15, 1-17, and 1-21	East Building General Exhaust Stacks	VOC	3.84	16.82
		non-VOC	0.20	0.88
1-09, 1-12, 1-13, 1-16, 1-18, and 1-19	East Building Scrubbed Exhaust	Acid	1.40	6.11
		Inorganic Gas	0.10	0.44
		VOC	0.23	1.00
		non-VOC	0.71	3.10
		PM	0.27	1.15
		NO <sub>x</sub>	1.17	5.08
1-31	East Building Boiler	PM	0.02	0.05
		VOC	0.02	0.06
		SO <sub>2</sub>	<0.01	0.01
		NO <sub>x</sub>	0.23	0.99
		CO	0.05	0.20

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hrTPY	
1-32	East Building Boiler	PM	0.02	0.05
		VOC	0.02	0.06
		SO <sub>2</sub>	<0.01	0.01
		NO <sub>x</sub>	0.23	1.00
		CO	0.05	0.20
1-51	East Building Thermal Oxidizer Combustion Emissions	PM	0.03	0.12
		VOC	0.02	0.07
		SO <sub>2</sub>	<0.01	0.02
		NO <sub>x</sub>	0.75	3.26
		CO	0.19	0.82
1-51	East Building Thermal Oxidizer Stack	VOC	4.69	20.53
		non-VOC	0.14	0.59
1-51A	East Building Thermal Oxidizer Bypass Stack	VOC	47.43	7.97
	0.23	non-VOC		1.36
4-02	West Building Boiler	PM	0.01	0.03
		VOC	<0.01	0.02
		SO <sub>2</sub>	<0.01	<0.01
		NO <sub>x</sub>	0.20	0.84
		CO	0.05	0.21
4-03	West Building Boiler	PM	0.01	0.05
		VOC	0.01	0.03
		SO <sub>2</sub>	<0.01	0.01
		NO <sub>x</sub>	0.28	1.19
		CO	0.07	0.30
5-05	Materials Building Boiler	PM		0.02
	0.07			
		VOC	0.02	0.08

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hrTPY	
		SO <sub>2</sub>	<0.01	0.01
		NO <sub>x</sub>	0.32	1.38
		CO	0.07	0.28

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## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hrTPY	
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## PHASE 2

0-03	Waste Solvent Tank	VOC	<0.01	0.01
		non-VOC	<0.01	<0.01
0-05	Technical Building Diesel Tank	VOC	<0.01	<0.01
0-06	Site Diesel Tank	VOC	<0.01	0.02
0-07	Site Gasoline Tank	VOC	0.02	0.09
0-09	West Building Hydrochloric Acid Tank		<0.01	0.01
1-03, 1-05, 1-11, 1-14, 1-15, 1-17, and 1-21	East Building General Exhaust Stacks	VOC	3.84	16.82
		non-VOC	0.20	0.88
1-19	Acid Scrubbed Exhaust Stack	Acid	1.40	6.11
		Inorganic Gas	0.10	0.44
		VOC	0.23	1.00
		non-VOC	0.71	3.10
		PM	0.27	1.15
		NO <sub>x</sub>	1.17	5.08
1-31	East Building Boiler	PM	0.02	0.05
		VOC	0.02	0.06
		SO <sub>2</sub>	<0.01	0.01
		NO <sub>x</sub>	0.23	0.99
		CO	0.05	0.20

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## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hrTPY	
1-32	East Building Boiler	PM	0.02	0.05
		VOC	0.02	0.06
		SO <sub>2</sub>	<0.01	0.01
		NO <sub>x</sub>	0.23	1.00
		CO	0.05	0.20
1-51	East Building Thermal Oxidizer Combustion Emissions	PM	0.03	0.12
		VOC	0.02	0.07
		SO <sub>2</sub>	<0.01	0.02
		NO <sub>x</sub>	0.75	3.26
		CO	0.19	0.82
1-51	East Building Thermal Oxidizer Stack	VOC	4.69	20.53
		non-VOC	0.14	0.59
1-51A	East Building Thermal Oxidizer Bypass Stack 0.23	VOC	47.43	7.97
		non-VOC		1.36
4-02	West Building Boiler	PM	0.01	0.03
		VOC	<0.01	0.02
		SO <sub>2</sub>	<0.01	<0.01
		NO <sub>x</sub>	0.20	0.84
		CO	0.05	0.21
4-03	West Building Boiler	PM	0.01	0.05
		VOC	0.01	0.03
		SO <sub>2</sub>	<0.01	0.01
		NO <sub>x</sub>	0.28	1.19
		CO	0.07	0.30
5-05	Materials Building Boiler 0.07	PM		0.02
		VOC	0.02	0.08

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## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hrTPY	
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SO <sub>2</sub>	<0.01	0.01
NO <sub>x</sub>	0.32	1.38
CO	0.07	0.28

## PHASE 3

0-03	Waste Solvent Tank	VOC	<0.01	0.01
		non-VOC	<0.01	<0.01

0-05	Technical Building Diesel Tank	VOC	<0.01	<0.01
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0-06	Site Diesel Tank	VOC	<0.01	0.02
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0-07	Site Gasoline Tank	VOC	0.02	0.09
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0-09	West Building Hydrochloric 0.01 Tank	Acid		<0.01
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1-03, 1-05, 1-11, 1-14, 1-15, 1-17, and 1-21	East Building General Exhaust Stacks	VOC	3.84	16.82
		non-VOC	0.20	0.88

1-19	Acid Scrubbed Exhaust Stack	Acid	1.40	6.11
		Inorganic Gas	0.10	0.44
		VOC	0.23	1.00
		non-VOC	0.71	3.10
		PM	0.27	1.15
		NO <sub>x</sub>	1.17	5.08

1-20	Caustic Scrubbed Exhaust 3.28 Stack	Caustic		0.75
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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hrTPY	
1-31	East Building Boiler	PM	0.02	0.05
		VOC	0.02	0.06
		SO <sub>2</sub>	<0.01	0.01
		NO <sub>x</sub>	0.23	0.99
		CO	0.05	0.20

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## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hrTPY	
1-32	East Building Boiler	PM	0.02	0.05
		VOC	0.02	0.06
		SO <sub>2</sub>	<0.01	0.01
		NO <sub>x</sub>	0.23	1.00
		CO	0.05	0.20
1-51	East Building Thermal Oxidizer Combustion Emissions	PM	0.03	0.12
		VOC	0.02	0.07
		SO <sub>2</sub>	<0.01	0.02
		NO <sub>x</sub>	0.75	3.26
		CO	0.19	0.82
1-51	East Building Thermal Oxidizer Stack	VOC	4.69	20.53
		non-VOC	0.14	0.59
1-51A	East Building Thermal Oxidizer Bypass Stack 0.23	VOC	47.43	7.97
		non-VOC		1.36
4-02	West Building Boiler	PM	0.01	0.03
		VOC	<0.01	0.02
		SO <sub>2</sub>	<0.01	<0.01
		NO <sub>x</sub>	0.20	0.84
		CO	0.05	0.21
4-03	West Building Boiler	PM	0.01	0.05
		VOC	0.01	0.03
		SO <sub>2</sub>	<0.01	0.01
		NO <sub>x</sub>	0.28	1.19
		CO	0.07	0.30
5-05	Materials Building Boiler 0.07	PM		0.02
		VOC	0.02	0.08
		SO <sub>2</sub>	<0.01	0.01



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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hrTPY	
		NO <sub>x</sub>	0.32	1.38
		CO	0.07	0.28

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## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hrTPY	
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## PHASE 4

0-03	Waste Solvent Tank	VOC	<0.01	0.01
		non-VOC	<0.01	<0.01
0-05	Technical Building Diesel Tank	VOC	<0.01	<0.01
0-06	Site Diesel Tank	VOC	<0.01	0.02
0-07	Site Gasoline Tank	VOC	0.02	0.09
0-09	West Building Hydrochloric 0.01 Tank	Acid		<0.01
1-19	Acid Scrubbed Exhaust Stack 6.11	Acid		1.40
		Inorganic Gas	0.10	0.44
		VOC	0.23	1.00
		non-VOC	0.71	3.10
		PM	0.27	1.15
		NO <sub>x</sub>	1.17	5.08
1-20	Caustic Scrubbed Exhaust 3.28 Stack	Caustic		0.75
1-21	East Building General Exhaust Stack	VOC	3.84	16.82
		non-VOC	0.20	0.88
1-31	East Building Boiler	PM	0.02	0.05
		VOC	0.02	0.06
		SO <sub>2</sub>	<0.01	0.01
		NO <sub>x</sub>	0.23	0.99

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
		CO	0.05	0.20

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## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hrTPY	
1-32	East Building Boiler	PM	0.02	0.05
		VOC	0.02	0.06
		SO <sub>2</sub>	<0.01	0.01
		NO <sub>x</sub>	0.23	1.00
		CO	0.05	0.20
1-51	East Building Thermal Oxidizer Combustion Emissions	PM	0.03	0.12
		VOC	0.02	0.07
		SO <sub>2</sub>	<0.01	0.02
		NO <sub>x</sub>	0.75	3.26
		CO	0.19	0.82
1-51	East Building Thermal Oxidizer Combustion Emissions	PM	0.03	0.12
		VOC	0.02	0.07
		SO <sub>2</sub>	<0.01	0.02
		NO <sub>x</sub>	0.75	3.26
		CO	0.19	0.82
1-51	East Building Thermal Oxidizer Stack	VOC	4.69	20.53
		non-VOC	0.14	0.59
1-51A	East Building Thermal Oxidizer Bypass Stack	VOC	47.43	7.97
	0.23	non-VOC		1.36
4-02	West Building Boiler	PM	0.01	0.03
		VOC	<0.01	0.02
		SO <sub>2</sub>	<0.01	<0.01
		NO <sub>x</sub>	0.20	0.84
		CO	0.05	0.21
4-03	West Building Boiler	PM	0.01	0.05
		VOC	0.01	0.03
		SO <sub>2</sub>	<0.01	0.01
		NO <sub>x</sub>	0.28	1.19

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
		CO	0.07	0.30

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## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hrTPY	
5-05	Materials Building Boiler		PM	0.02
	0.07			
		VOC	0.02	0.08
		SO <sub>2</sub>	<0.01	0.01
		NO <sub>x</sub>	0.32	1.38
		CO	0.07	0.28

(1) Emission point identification

(2) Specific point source name.

(3) PM - particulate matter

VOC - volatile organic compounds as defined in General Rule 101.1

non-VOC - non-volatile organic compounds

NO<sub>x</sub> - total oxides of nitrogenSO<sub>2</sub> - sulfur dioxide

CO - carbon monoxide

Dated\_\_\_\_\_