

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 35879

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 *	Source	Air Contaminant	<u>Emission Rates</u>	
Point No. (1)	Name (2)	Name (3)	<u>lb/hr</u>	<u>TPY</u>
UNCONTROLLED OPERATIONS (4)				
EF-1	Exhaust Fan, PE, PP, and Mold 5.71		VOC	2.85
EF-2	Exhaust Fan, PE, PP, and Mold 5.71		VOC	2.85
EF-3	Exhaust Fan, PE, PP, and Mold 5.71		VOC	2.85
EF-4	Exhaust Fan, PE, PP, and Mold 5.71		VOC	2.85
EF-5	Exhaust Fan, PE, PP, and Mold 5.71		VOC	2.85
EF-6	Exhaust Fan, PE, PP, and Mold 5.71		VOC	2.85
EF-7	Exhaust Fan, PE, PP, and Mold 5.71		VOC	2.85
EF-8	Exhaust Fan, PE, PP, and Mold 5.71		VOC	2.85
EF-9	Exhaust Fan, PE, PP, and Mold 5.71		VOC	2.85
EF-10	Exhaust Fan, PE, PP, and Mold 5.71		VOC	2.85

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Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates</u>	
			<u>lb/hr</u>	<u>TPY</u>
EF-11	FGS Area Fan	VOC	0.80	7.67
EF-12	FGS Area Fan	VOC	0.80	7.67
EF-13	FGS Area Fan	VOC	0.80	7.67
EF-14	FGS Area Fan	VOC	0.80	7.67
DV-1	Drain Vent 1	VOC	0.26	0.86
DV-2	Drain Vent 2	VOC	0.26	0.86
DV-3	Drain Vent 3	VOC	0.26	0.86
DV-4	Drain Vent 4	VOC	0.26	0.86
DV-5	Drain Vent 5	VOC	0.26	0.86
DV-6	Drain Vent 6	VOC	0.26	0.86
S1	Boiler 1 (BOSS)	PM ₁₀	0.00	0.00
S1	Boiler 1 (BOSS)	SO ₂	0.00	0.00
S1	Boiler 1 (BOSS)	NO _x	0.00	0.00
S1	Boiler 1 (BOSS)	CO	0.00	0.00
S1	Boiler 1 (BOSS)	VOC	0.00	0.00
S2	Boiler 2	PM ₁₀	0.11	0.49
S2	Boiler 2	SO ₂	0.01	0.02
S2	Boiler 2	NO _x	0.93	4.10

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

S2	Boiler 2	CO	0.19	0.85
S2	Boiler 2	VOC	0.04	0.16
S3	Boiler 3	PM ₁₀	0.11	0.49
S3	Boiler 3	SO ₂	0.01	0.02
S3	Boiler 3	NO _x	0.93	4.10
S3	Boiler 3	CO	0.19	0.85
S3	Boiler 3	VOC	0.04	0.16

CONTROLLED OPERATIONS (4)

EF-1	Exhaust Fan, PE, PP, and Mold 3.74	VOC	1.76
EF-2	Exhaust Fan, PE, PP, and Mold 3.74	VOC	1.76
EF-3	Exhaust Fan, PE, PP, and Mold 3.74	VOC	1.76
EF-4	Exhaust Fan, PE, PP, and Mold 3.74	VOC	1.76
EF-5	Exhaust Fan, PE, PP, and Mold 3.74	VOC	1.76
EF-6	Exhaust Fan, PE, PP, and Mold 3.74	VOC	1.76

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AIR CONTAMINANTS DATA

Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates</u>	
			<u>lb/hr</u>	<u>TPY</u>
EF-7	Exhaust Fan, PE, PP, and Mold 3.74	VOC	1.76	
EF-8	Exhaust Fan, PE, PP, and Mold 3.74	VOC	1.76	
EF-9	Exhaust Fan, PE, PP, and Mold 3.74	VOC	1.76	
EF-10	Exhaust Fan, PE, PP, and Mold 3.74	VOC	1.76	
EF-11	FGS Area Fan	VOC	1.68	10.95
EF-12	FGS Area Fan	VOC	1.68	10.95
EF-13	FGS Area Fan	VOC	1.68	10.95
EF-14	FGS Area Fan	VOC	1.68	10.95
DV-1	Drain Vent 1	VOC	0.8	1.22
DV-2	Drain Vent 2	VOC	0.8	1.22
DV-3	Drain Vent 3	VOC	0.8	1.22
DV-4	Drain Vent 4	VOC	0.8	1.22
DV-5	Drain Vent 5	VOC	0.8	1.22
DV-6	Drain Vent 6	VOC	0.8	1.22
S1	Boiler 1 (BOSS)	PM ₁₀	1.4	1.3
S1	Boiler 1 (BOSS)	SO ₂	0.0	0.02

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S1	Boiler 1 (BOSS)	NO _x	0.75	3.3
S1	Boiler 1 (BOSS)	CO	0.16	0.69
S1	Boiler 1 (BOSS)	VOC	0.09	0.39
S2	Boiler 2	PM ₁₀	0.11	0.49
S2	Boiler 2	SO ₂	0.01	0.02
S2	Boiler 2	NO _x	0.93	4.10
S2	Boiler 2	CO	0.19	0.85
S2	Boiler 2	VOC	0.04	0.16
S3	Boiler 3	PM ₁₀	0.11	0.49
S3	Boiler 3	SO ₂	0.01	0.02
S3	Boiler 3	NO _x	0.93	4.10
S3	Boiler 3	CO	0.19	0.85
S3	Boiler 3	VOC	0.04	0.16

- (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) VOC - volatile organic compounds
as defined in General Rule 101.1
- PM₁₀ - particulate matter (PM) equal or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no

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particulate matter greater than 10 microns is emitted.

SO₂ - sulfur dioxide

NO_x - total oxides of nitrogen

CO - carbon monoxide

- (4) Emissions from EF 1-10 may vary depending on which fans are operational but cumulative emissions from any or all EF 1-10 sources shall not exceed total of EF1-10 sources listed.

Emissions from EF11-14 may vary depending on which polystyrene presses are operational but cumulative emissions from any or all EF 11-14 sources shall not exceed the total of EF 11-14 sources listed.

Emissions from DV1-DV6 may vary depending on which polystyrene presses are operational but cumulative emissions from any or all DV1-DV6 sources shall not exceed the total of DV1-DV6 sources listed.

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

Hrs/day 24 Days/week 7 Weeks/year 52 or
Hrs/year 8,760

Dated _____