

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 1104

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)	Emission Rates	
			lb/hr	TPY
F-001	Truck Dump Area	TSP	0.21	0.45
		PM ₁₀	0.11	0.23
F-002	5 - Bulk Storage Area Cyclones	PM	0.21	0.45
		PM ₁₀	0.11	0.23
C-002A	Sawdust & Mat Reject Recycle Cyclone	PM	0.01	0.02
		PM ₁₀	<.01	0.01
C-002B	Reclaim Hopper Cyclone	PM	0.01	0.02
		PM ₁₀	<.01	0.01
C-002C	Raw Material Hog Cyclone	PM	0.01	0.02
		PM ₁₀	<.01	0.01
B-003	Refiner/Flaker Baghouse	PM	0.06	0.25
		PM ₁₀	0.05	0.23
C-004	Face Dryer Inlet Multiclones	PM	2.60	10.10
		PM ₁₀	1.30	5.10
C-005	Core Dryer Outlet Multiclones	PM	4.00	12.10
		PM ₁₀	4.00	12.10
		VOC	15.00	45.40
		NO _x	3.03	11.73
		SO ₂	0.14	0.60
		CO	3.93	16.22
		HCHO	0.19	0.58
C-006	Face Dryer Outlet Multiclones	PM	1.82	5.09
		PM ₁₀	1.82	5.09
		VOC	15.96	44.50
		NO _x	2.83	13.31

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

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>
		SO ₂	0.15	0.61
		CO	4.21	16.60
		HCHO	0.46	1.27

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

AIR CONTAMINANTS DATA

Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates</u>	
			lb/hr	TPY
B-007	Thermal Oil Heater Fuel Silo Baghouse	PM	0.80	3.40
		PM ₁₀	0.72	3.03
B-008	Mat Reject Blender Recycle Baghouse	PM	0.13	0.54
		PM ₁₀	0.12	0.49
B-009	Sawline Baghouse	PM	0.16	0.66
		PM ₁₀	0.14	0.59
B-010	Material Reject Baghouse	PM	0.13	0.54
		PM ₁₀	0.12	0.49
B-011	Breaker and Conveyor Baghouse	PM	1.41	5.90
		PM ₁₀	1.27	5.30
B-012	North Sander Baghouse	PM	0.80	3.40
		PM ₁₀	0.72	3.00
B-013	South Sander Baghouse	PM	0.80	3.40
		PM ₁₀	0.72	3.00
V-015	Press Vent No. 1	TSP	1.58	3.80
		PM ₁₀	0.79	1.90
		VOC	1.43	3.45
		HCHO	0.25	0.60
V-016	Press Vent No. 2	TSP	3.47	8.35
		PM ₁₀	1.75	4.20
		VOC	9.36	22.50
		HCHO	0.20	0.49

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

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>
V-017	Press Vent No. 3	TSP	1.58	3.80
		PM ₁₀	0.79	1.90
		VOC	1.43	3.45
		HCHO	0.25	0.60

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

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

AIR CONTAMINANTS DATA

Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
V-018	Cooling Wheel Vent	TSP	1.50	3.60
		PM ₁₀	0.75	1.80
		VOC	1.16	2.80
		HCHO	0.24	0.58
F-019	Finishing Area Fugitives	PM	0.17	0.40
		PM ₁₀	0.05	0.20
		VOC	1.68	0.57
F-020	Blending Room Fugitives	UF Resin	0.09	1.02
		Paraffin	>.01	0.01
T-021	Urea Storage Tank	Urea	6.001	0.10
T-022A	UF Resin Storage Tank	UF Resin	0.57	0.02
T-022B	UF Resin Storage Tank	UF Resin	0.58	0.02
T-022C	UF Resin Storage Tank	UF Resin	0.79	0.04
T-022D	UF Resin Storage Tank	UF Resin	0.82	0.04
B-023	Sawdust Silo Baghouse	PM	0.16	0.66
		PM ₁₀	0.14	0.59
B-024	Thermal Oil Heater Fuel Bin Baghouse	PM	0.96	4.00
		PM ₁₀	0.86	3.60
B-025	Forming Line Baghouse	PM	0.13	0.54
		PM ₁₀	0.12	0.49

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

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>
V-026	Core Dryer - Thermal Oil Heater Abort Vent	VOC	1.41	0.30
		NO _x	2.83	0.59
		SO ₂	0.15	0.03
		CO	4.04	0.85

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

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

AIR CONTAMINANTS DATA

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

V-027	Face Dryer -Thermal Oil Heater Abort Vent	VOC	1.41	0.30
		NO _x	2.83	0.59
		SO ₂	0.15	0.03
		CO	4.04	0.85

T-028	Wax Emulsion Tank	Paraffin	0.23	0.01
-------	-------------------	----------	------	------

T-029A	UF Resin Daily Work Tank	UF Resin	0.02	<.01
--------	-----------------------------	----------	------	------

T-029B	UF Resin Daily Work Tank	UF Resin	0.02	<.01
--------	-----------------------------	----------	------	------

T-030	Wax Emulsion Daily Daily Work Tank	Paraffin	<.01	<.01
-------	---------------------------------------	----------	------	------

T-031	Diesel Tank	VOC	0.07	<.01
-------	-------------	-----	------	------

(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

NO_x - total oxides of nitrogen

SO₂ - sulfur dioxide

PM - particulate matter, suspended in the atmosphere, including PM₁₀.

PM₁₀ - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

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

be assumed that no particulate matter greater than 10 microns is emitted.

CO - carbon monoxide

HCHO - formaldehyde

UF - urea/formaldehyde

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

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

24 Hrs/day 7 Days/week 52 Weeks/year or 8760 Hrs/year