EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

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Permit Numbers 22377 and PSD-TX-832M5

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
RTOEAST and RTOWEST**	Dryer RTOs	PM_{10}	14.60	52.00
		$VOC_{(i)}$	14.41	51.32
		NO_x	55.32	197.02
		SO_2	2.18	9.55
		CO	148.51	528.94
		HCHO	2.45	8.74
DRYER MSS***	Dryers 1-5 Bypass	PM	28.00	2.80
		PM_{10}	20.00	2.00
		$VOC_{(i)}$	40.50	4.05
		NO_x	3.50	0.35
		CO	26.50	2.65
		HCHO	2.27	0.23
RTOPRESSR and RCOPRESS	Press RTO and RCO	PM_{10}	4.24	15.31
		$VOC_{(i)}$	8.46	30.56
		NO_x	26.62	96.12
		SO_2	0.01	0.04
		CO	53.28	192.40
		HCHO	1.73	6.24
		MDI	0.10	0.44
		C_6H_5OH	1.44	5.19
PRESSVENT MSS	Press Bypass	PM	4.66	0.12
		PM_{10}	2.33	0.06
		$VOC_{(i)}$	**29.77**	**0.74**
		NO_x	0.37	0.01
		SO_2	0.33	0.01
		CO	0.90	0.02
		HCHO	0.68	0.02
		MDI	0.12	<0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
		C_6H_5OH	0.34	0.01
S-1	Saw Line Collector	PM_{10}#	1.34	5.89
		$VOC_{(i)}$	3.35	12.45
S-1 MSS ##	Saw Line Bypass	PM_{10}#	4.03	0.20
S-2	Aspiration System	PM_{10}#	0.62	2.71
	Baghouse	$VOC_{(i)}$	15.37	57.08
		HCHO	0.43	1.60
		MDI	<0.01	0.02
		C_6H_5OH	0.01	0.02
		MeOH	7.07	26.25
S-3/4	Raw Fuel Bin Collector	PM_{10}#	0.58	2.52
		$VOC_{(i)}$	7.88	29.25
		HCHO	0.05	0.20
		MeOH	0.12	0.46
S-3/4 MSS##	Raw Fuel Bypass	PM_{10}#	3.46	0.35
ABRTSTK	**Bark Burner Abort Stack**	**PM_{10}**	**8.00**	**1.27**
		VOC	**0.34**	**0.05**
		NO_X	**9.80**	**1.22**
		SO_2	**0.50**	**0.07**
		CO	**12.00**	**1.79**
S-5	Material Reject Collector	PM_{10}#	1.43	6.28
		$VOC_{(i)}$	2.60	9.67
		HCHO	0.07	0.26
		MDI	<0.01	<0.01
		C_6H_5OH	<0.01	0.01
		MeOH	0.35	1.30
S-6	Tongue and Grove	PM_{10}#	1.12	4.93
	Sanderdust Collector	$VOC_{(i)}$	1.51	5.62

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S-7	T and G/Sander Transfer Bin Baghouse	PM_{10}#	0.02	0.08
		$VOC_{(i)}$	1.51	5.62
(S-8)	Finished Fuel Bil Collector	PM_{10}#	0.71	3.10
		$VOC_{(i)}$	5.87	21.81
		MeOH	0.11	0.42
S-9	Thermal Oil Heater Fuel System	PM_{10}#	0.39	1.69
		$VOC_{(i)}$	0.98	3.64
		MeOH	0.02	0.07
R-1	PF Tank 1	HCHO	0.02	0.01
R-2	PF Tank 2	HCHO	0.02	0.01
R-3	MDI Tank 1	MDI	<0.01	<0.01
R-4	MDI Tank 2	MDI	<0.01	<0.01
T-1	Gasoline Tank	VOC###	0.30	0.66
T-3	Diesel Tank	VOC	0.10	<0.01
F-1	Fuel Pile (4)	PM_{10}	0.04	0.17
		VOC	0.40	1.76
F-2	Roadways (4)	PM	12.41	27.19
		PM_{10}	2.42	5.30
F-3	Wet Deck (4)	PM	14.38	8.41
		PM_{10}	4.47	2.62
BARK	Bark Handling System (4)	PM	0.54	1.18
		PM_{10}	0.19	0.41
FINES	Excess Fuel System (4)	PM	0.06	0.13

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
		PM_{10}	0.02	0.04
TOH-1****	Thermal Oil Heater Bypass Stack	PM_{10}	0.24	1.04
		$VOC_{(i)}$	0.17	0.76
		NO_x	3.14	13.74
		SO_2	0.02	0.08
		CO	2.64	11.54
GEN-1	Emergency Generator	PM_{10}	4.50	0.34
		VOC	0.15	0.01
		NO_x	11.84	0.89
		SO_2	3.24	0.24
		CO	5.42	0.41
FWP-1	Fire Water Pump	PM_{10}	1.58	0.08
		VOC	0.18	0.01
		NO_x	4.54	0.23
		SO_2	1.18	0.06
		CO	4.54	0.23
$PB\text{-}1_{(a)}$	Paint Booth	PM_{10}	0.68	1.49
		VOC	1.54	3.37
$PB\text{-}2_{(a)}$	T and G Paint Booth	PM_{10}	0.65	1.42
		VOC	1.46	3.19

(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, suspended in the atmosphere, including PM_{10}
PM_{10} - particulate matter equal or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no PM greater than 10 microns is emitted.
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1

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CO - carbon monoxide
HCHO - formaldehyde
MDI - methylene-diphenyl-diisocyanate
C_6H_5OH - phenol
MeOH - methanol
(VOC quantified as Propane).

NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide

(4) Fugitive emissions are an estimate.

* 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

A total maximum press daily throughput of 1,728,000 ft^2 of waferboard (on 3/8-inch basis), and a total maximum annual plant throughput of 520,000,000 ft^2 of 3/8-inch oriented strand board processed as calculated in Special Condition No. 26.

** Maximum combined emissions for both RTOs.

*** Represent total emissions from all 5 dryers. The total emissions for the 5 dryers were used in the modeling.

**** The thermal oil heaters vent to the atmosphere through this bypass stack only when these thermal oil heaters use natural gas as fuel.

\# Also counted as wood dust.

\## These are not additional EPNs but represent emissions from EPNs S-1 to S-3/4 during emergency shutdown.

VOC includes benzene.

i VOCs are quantified as propane.