Emission Sources - Maximum Allowable Emission Rates

Permit Number 6075

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, sources, and related activities. 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	
			lbs/hour	TPY (4)
16A	Fiberboard Woodyard Blowpipe	PM	0.02	0.03
		PM_{10}	0.01	0.01
		$PM_{2.5}$	<0.01	<0.01
FB-11	Fiber Products Digester Nos. C and D and Blowpit†	VOC*	2.13	5.25
		MeOH	4.59	11.33
FB-12	Fiber Products Digester No. A and Blowpit†	VOC*	2.66	3.94
		MeOH	5.74	8.50
FB-13	Fiber Products Digester No. B and Blowpit†	VOC*	2.66	3.94
		MeOH	5.74	8.50
FB-15-FU	Chip Truck Dump (5)	PM	0.01	0.04
		PM_{10}	0.01	0.02
		$PM_{2.5}$	<0.01	<0.01
FB-16-FU	Raw Storage Pile (5)	PM	0.03	0.07
		PM_{10}	0.01	0.03
		$PM_{2.5}$	<0.01	<0.01
FB-20	Asphalt Coater Filter Stack	VOC*	0.19	0.47
		NO_X	0.08	0.34
		SO_2	<0.01	<0.01
		PM	0.02	0.06
		PM_{10}	0.02	0.06

Emission Sources - Maximum Allowable Emission Rates

		$PM_{2.5}$	0.02	0.06
		CO	0.07	0.29
FB-20A	Asphalt Heater A Stack	VOC*	0.01	0.06
		NO_X	0.25	1.07
		SO_2	<0.01	<0.01
		PM	0.02	0.08
		PM_{10}	0.02	0.08
		$PM_{2.5}$	0.02	0.08
		CO	0.21	0.90
FB-20B	Asphalt Heater B Stack	VOC*	0.01	0.06
		NO_X	0.25	1.07
		SO_2	<0.01	<0.01
		PM	0.02	0.08
		PM_{10}	0.02	0.08
		$PM_{2.5}$	0.02	0.08
		CO	0.21	0.90
FB-23	Center Ducon Cyclone Stack	PM	7.00	30.66
		PM_{10}	7.00	30.66
		$PM_{2.5}$	7.00	30.66
FB-24	West Ducon Cyclone Stack	PM	1.72	7.55
		PM_{10}	1.72	7.55
		$PM_{2.5}$	1.72	7.55
FB-25	Fiberboard Boiler Scrubber Stack	VOC*	4.17	18.01
		NO_X	69.00	298.08

Emission Sources - Maximum Allowable Emission Rates

		SO_2	5.71	24.67
		PM	35.52	153.45
		PM_{10}	34.81	150.38
		$PM_{2.5}$	34.81	150.38
		CO	257.27	1111.40
FB-26-FU	Fuel Truck Dump and Conveyor (5)	PM	0.03	0.15
		PM_{10}	0.02	0.07
		$PM_{2.5}$	<0.01	0.01
FB-27-FU	Boiler Fuelhouse (5)	PM	0.67	2.90
		PM_{10}	0.34	1.45
FB-31	East Ducon Cyclone Stack	PM	2.02	8.87
		PM_{10}	2.02	8.87
		$PM_{2.5}$	2.02	8.87
FB-101A	Fiberboard Dryer No. 1 Stack A**	VOC*	1.99	5.88
		NO_X	0.59	1.72
		SO_2	<0.01	0.01
		PM	1.74	5.14
		PM_{10}	1.74	5.14
		$PM_{2.5}$	1.26	3.73
		CO	0.49	1.44
		HCHO	0.48	1.41
FB-101B	Fiberboard Dryer No. 1 Stack B**	VOC*	5.15	15.25
		NO_X	3.53	10.31
		SO_2	0.02	0.06

Emission Sources - Maximum Allowable Emission Rates

		PM	3.10	9.17
		PM_{10}	3.10	9.17
		$PM_{2.5}$	2.25	6.66
		CO	2.96	8.66
		MeOH	0.48	1.42
FB-101C	Fiberboard Dryer No. 1 Stack C**	VOC*	11.55	34.18
		NO_X	2.35	6.87
		SO_2	0.01	0.04
		PM	7.31	21.63
		PM_{10}	7.31	21.63
		$PM_{2.5}$	5.31	15.70
		CO	1.98	5.77
		HCHO	0.75	2.21
		MeOH	0.94	2.77
		Acetaldehyde	1.04	3.07
		Acrolein	0.93	2.75
		Bromomethane	0.53	1.56
		Propionaldehyde	0.89	2.62
FB-101D	Fiberboard Dryer No. 1 Stack D**	VOC*	4.62	13.67
		NO_X	2.35	6.87
		SO_2	0.01	0.04
		PM	1.54	4.55
		PM_{10}	1.54	4.55
		$PM_{2.5}$	1.12	3.30

Emission Sources - Maximum Allowable Emission Rates

		CO	1.98	5.77
FB-101E	Fiberboard Dryer No. 1 Stack E**	VOC*	6.62	19.60
		NO_X	2.35	6.87
		SO_2	<0.01	0.04
		PM	3.13	9.26
		PM_{10}	3.13	9.26
		$PM_{2.5}$	2.27	6.72
		CO	1.98	5.77
		HCHO	0.60	1.79
		MeOH	0.47	1.38
FB-101F	Fiberboard Dryer No. 1 Stack F**	VOC*	9.80	29.00
		NO_X	0.59	1.72
		SO_2	<0.01	0.01
		PM	1.97	5.82
		PM_{10}	1.97	5.82
		$PM_{2.5}$	1.43	4.22
		CO	0.49	1.44
		HCHO	1.31	3.87
		MeOH	0.45	1.34
FB-102A MSS; FB-102B MSS; FB-102C MSS	Fiberboard Dryer No. 2 MSS	VOC*	7.03	0.52
		NO_X	7.84	1.03
		SO_2	0.05	0.01
		PM	15.02	1.11
		PM_{10}	15.02	1.11

Emission Sources - Maximum Allowable Emission Rates

		$PM_{2.5}$	10.90	0.81
		CO	6.59	0.87
FB-120A	Washer No. 1 Stack#	VOC*	5.20	15.39
		MeOH	2.93	8.66
		Cumene	0.45	1.33
FB-120B	Washer No. 2 Stack#	VOC*	4.16	10.26
		MeOH	2.34	5.77
FB-150	Fiberboard Refiners Combined Vent	VOC*	38.47	105.59
		PM	1.71	4.69
		PM_{10}	1.71	4.69
		$PM_{2.5}$	0.78	2.13
		HCHO	1.05	2.87
		MeOH	14.03	38.44
		Acetaldehyde	8.06	22.08
		Acrolein	1.30	3.57
		Phenol	0.84	2.29
		Propionaldehyde	1.47	4.03
FB-181	Gilsonite Vacuum Baghouse Stack	PM	0.01	0.01
		PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
FB-201	Digester Infeed 1 Cyclone Stack##	PM	0.02	0.05
		PM_{10}	0.01	0.02
		$PM_{2.5}$	<0.01	<0.01
FB-202	Digester Infeed 2 Cyclone Stack##	PM	0.01	0.03

Emission Sources - Maximum Allowable Emission Rates

		PM_{10}	0.01	0.02
		$PM_{2.5}$	<0.01	<0.01
FB-210	Forming Area (5)	VOC*	5.12	12.63
		MeOH	0.44	1.08
		Cumene	5.28	5.62
FB-RTO	Thermal Oxidizer Stack	VOC*	1.20	5.26
		NO_X	8.82	38.65
		SO_2	0.05	0.23
		PM	1.58	4.03
		PM_{10}	1.58	4.03
		$PM_{2.5}$	1.16	3.02
		CO	7.41	32.46

(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) Exempt Solvent - Those carbon compounds or mixtures of carbon compounds used as solvents which have been excluded from the definition of volatile organic compound.
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented
PM_{10} - total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide
HCHO - formaldehyde
MeOH - methanol
(4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
(5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

* VOC is on as-carbon basis.
† To demonstrate compliance, emissions from EPNs FB-11, FB-12, and FB-13 should be summed.
** To demonstrate compliance, emissions from each of the six vents (EPNs FB-101A through FB-101F) should be

Emission Sources - Maximum Allowable Emission Rates

summed.

To demonstrate compliance, emissions from EPNs FB-120A and FB-120B should be summed.

To demonstrate compliance, emissions from EPNs FB-201 and FB-202 should be summed.

Date: _____