Emission Sources - Maximum Allowable Emission Rates

Permit Number 898

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)
01, 02, 03, 04, 05, 06, 07, and 08	Railcar Unloading Baghouse Vents	PM	1.65	7.21
		PM_{10}	1.65	7.21
09, 10, 11, 12, 13, 14, 15, and 16	Raw Material Silo Baghouse Vents	PM	1.65	7.21
		PM_{10}	1.65	7.21
17, 25, 34, 35, 39, 40, 41, 43, 44, 45, and 50	Cullet Hood Baghouse Vents	PM	8.15	35.69
		PM_{10}	8.15	35.69
18	Mix House Baghouse Vent	PM	0.40	1.75
		PM_{10}	0.40	1.75
19	Batch Plant Dust Collector Stack	PM	0.01	0.05
		PM_{10}	0.01	0.05
20	Rouge/Coal Storage Baghouse Vent	PM	0.21	0.90
		PM_{10}	0.21	0.90
22	Melting Furnace No.1 Stack	PM	71.00	310.98
		PM_{10}	71.00	310.98
		VOC	1.16	5.08
		NO_x	739.00	3236.82
		CO	160.00	700.80
		SO_2	80	350.40
23	Melting Furnace No.2 Stack	PM	71.00	310.98
		PM_{10}	71.00	310.98

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		VOC	1.16	5.08
		NO_x	739.00	3236.82
		CO	160.00	700.80
		SO_2	80	350.40
22 and 23	Melting Furnaces Nos. 1 and 2 Stacks (6)	Cr	0.22	1.00
		Se	45.00	31.00
		Co	0.01	0.06
		Si	19.00	82.00
		Ni	0.02	0.10
		Ce	9.00	40.00
		Ti	2.00	8.80
FUG-1	Furnace Fugitives (5)	PM	6.40	28.00
		PM_{10}	6.40	28.00
		NO_x	31.00	136.00
		CO	6.70	29.40
		SO_2	3.40	15.00
		Trace Metals	0.10	0.44
28	Solarcool Scrubber Stack	PM	4.37	9.57
		PM_{10}	4.37	9.57
		CO	0.46	2.00
		SO_2	See EPN 30 and 31	See EPN 30 and 31
		Cr	0.08	0.35
		Fe	0.50	2.20
		C_3H_8O	5.74	12.57
29	Solarcool Mix Room Baghouse Vent	PM	0.60	2.63

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		PM_{10}	0.60	2.63
30, 31	Line 2 West and East Stacks	SO_2	23.00	75.00
36A, 36B, 37	Process W Line Nos. 1 and 2 Stacks	PM	1.22	5.34
		PM_{10}	1.22	5.34
38	Boilers 1, 2, and 3 Stack	PM	1.48	6.48
		PM_{10}	1.48	6.48
		VOC	0.34	1.48
		NO_x	10.76	47.12
		CO	5.17	22.64
		SO_2	21.11	92.48
46, 47, 48, 49, 51, 52, 52A, 53, 54, and 54A	Automatic Packing and Tempering Vacuum Transfer Vents	PM	1.20	5.26
		PM_{10}	1.20	5.26
55, 56, 57, 58, 59, 60, 61, 63, and 68	Storage Tank Vents for Petroleum-Derived Materials	VOC	3.35	0.18
FUG-2	Material Storage and Handling (5)	PM	3.87	16.35
		PM_{10}	1.87	7.96
		SO_2	See EPN 30 and 31	See EPN 30 and 31
		VOC	0.21	0.94
77 and 78	Tin Bath Vent Stack	PM	0.10	0.35
		PM_{10}	0.10	0.35
		Sn	<0.01	0.02
MSVD	MSVD Vacuum Chamber	VOC	0.11	0.50
TPO	MSVD TPO Process	PM	0.02	0.02
		PM_{10}	0.02	0.02
		VOC	0.20	0.17

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BUFF	MSVD Buff	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01

(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 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
Cr - chromium
Se - selenium
Co - cobalt
Si - amorphous silica
Ni - nickel
Ce - cerium
Ti - titanium
Fe - iron
Sn - tin
C_3H_8O - isopropyl alcohol
(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.
(6) The emission rates shown for Cr, Co, Ni, Si, Se, Ce, and Ti represent total combined emissions for both Furnace Nos. 1 and 2. The individual emissions rate from each stack can vary such that the sum of the emissions from the stacks of Melting Furnace Nos. 1 and 2 shall not exceed the total amount authorized.

Date: _____