EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 6860

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
101A	Primary Compressor Vent 0.44	VOC	0.10	
101B	Primary Compressor Vent 0.44	VOC	0.10	
101C	Primary Compressor Vent 0.44	VOC	0.10	
101D	Primary Compressor Vent 0.44	VOC	0.10	
101E	Primary Compressor Vent 0.44	VOC	0.10	
101F	Primary Compressor Vent 0.44	VOC	0.10	
101G	Primary Compressor Vent	Emergency/Upset Use Only		
102	Hyper Compressor Vent	VOC	0.50	2.20
103	Reactor 100 Emergency Vent	Emergency/Upset Use Only		
104	Spin Dryer	VOC PM	(5) (6)	(5) (6)
105	Line 1 Process	VOC	3.18	13.93

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates* lb/hr	TPY
	Fugitives (4)			
201A	Primary Compressor Vent 0.44	VOC	0.10	
201B	Primary Compressor Vent 0.44	VOC	0.10	
201C	Primary Compressor Vent 0.44	VOC	0.10	
201D	Primary Compressor Vent 0.44	VOC	0.10	
201E	Primary Compressor Vent 0.44	VOC	0.10	
201F	Primary Compressor Vent 0.44	VOC	0.10	
201G	Primary Compressor Vent	Emergency/Upset Use Only		
202	Hyper Compressor Vent	VOC	0.50	2.20
203 Only	Reactor 200 Emergency Vent		Emergency/Upset Use	
204	Spin Dryer	VOC PM	(5) (6)	(5) (6)
205	Line 2 Process Fugitives (4)	VOC	3.01	13.19
300A	Primary Compressor Vent 0.47	VOC	0.11	

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates* lb/hr	TPY
300B	Primary Compressor Vent 0.47	VOC	0.11	
300C	Primary Compressor Vent 0.47	VOC	0.11	
300D	Primary Compressor Vent 0.47	VOC	0.11	
300E	Primary Compressor Vent 0.47	VOC	0.11	
300F	Primary Compressor Vent 0.47	VOC	0.11	
300G	Primary Compressor Vent	Emergency/Upset Use Only		
301	Hypercompressor Vent	VOC	0.50	2.20
302	Reactor 300 Emergency Vent	Emergency/Upset Use Only		
307	Spin Dryer	VOC	(5)	(5)
		PM	0.34	1.03
501	MSR Heater B-501	VOC	<0.01	<0.01
		CO	<0.01	0.02
		NO_x	0.02	0.08
		SO_2	<0.01	<0.01
		PM	<0.01	<0.01
502	MSR Heater B-502	VOC	<0.01	<0.01
		CO	<0.01	0.02
		NO_x	0.02	0.11
		SO_2	<0.01	<0.01
		PM	<0.01	<0.01

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates* lb/hr	TPY
503A	Analyzer Vent	VOC	0.37	0.45
503B	Analyzer Vent	VOC	0.01	<0.01
503C	Analyzer Vent	VOC	0.03	0.04
503D	Analyzer Vent	VOC	0.01	<0.01
503E	Analyzer Vent	VOC	0.01	<0.04
504	ERU Fugitives (4)	VOC	8.91	39.03
601	Dust Collector	PM	0.12	0.52
602A/603A	Hopper Vents	PM (7)	0.29	0.64
602B	Hopper Vent	PM	0.08	0.34
603B	Hopper Vent	PM	0.08	0.34
604	Line 1 Blend Silo	VOC	(5)	(5)
	Dust Collector	PM	1.08	4.75
605	Line 2 Blend Silo	VOC	(5)	(5)
	Dust Collector	PM	1.08	4.75
606	Cyclone	VOC	(5)	(5)
		PM	0.17	0.75
607	Cyclone	VOC	(5)	(5)
		PM	0.17	0.75
608	Cyclone	VOC	(5)	(5)
		PM	0.39	1.69
609	Cyclone	VOC	(5)	(5)

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates* lb/hr	TPY
		PM	0.39	1.69
612-D645	Slop Tank	VOC	0.05	<0.01
612-D716	Diesel Tank	VOC	1.10	<0.01
612-D716A	Diesel Tank	VOC	1.10	<0.01
612-F102	Coolant Tank	VOC	0.03	<0.01
612-F108	Oil Tank	VOC	0.03	<0.01
612-F109	Oil Tank	VOC	0.03	<0.01
612-F670	OMS Tank	VOC	0.64	<0.01
612-F706	Oil Tank	VOC	0.03	<0.01
612-TANK	Storage Tank Area Fugitives (4)	VOC	0.81	3.55
614	Storage Silo/Loading Fugitives (4)	PM	0.03	0.11
615A	Sample Receiver	VOC	(5)	(5)
		PM	0.01	0.05
615B	Sample Receiver	VOC	(5)	(5)
		PM	0.01	0.05
615C	Sample Receiver	VOC	(5)	(5)
		PM	0.01	0.05
616A, 617A, and 625A	3.50	Hopper Vent PM	(8)	0.80
616B	Hopper Vent	PM	0.08	0.34

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates* lb/hr	TPY
617B	Hopper Vent	PM	0.08	0.34
618	Transfer Cyclone	VOC	97.91	271.36
		PM	2.73	11.98
619	Sample Cyclone Vent	VOC	(5)	(5)
		PM	0.02	0.10
620	Flotriator Cyclone	VOC	(5)	(5)
		PM	0.88	3.87
621	Scalperator Cyclone	VOC	(5)	(5)
		PM	0.77	3.38
625B	Line 3 Rerun Vacuum Hopper 0.02	PM		<0.01
626A/626C	Line 3 Masterbatch Hopper 1.03	PM (9)		0.47
626B	Line 3 Masterbatch Hopper 0.02	PM		<0.01
627	Line 3 Blend Silos	VOC	(5)	(5)
		PM	0.44	0.23
628	Line 3 Blend Silos	VOC	(5)	(5)
		PM	0.44	0.23
631	Lines 1, 2, and 3 Rerun 0.51 Filter Receiver	PM		0.12
632	MB and Rerun Cyclone Dust Collector	PM	0.23	1.02

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates* lb/hr	TPY
701	Flare	VOC	108.95	15.63
		CO	124.21	18.09
		NO_x	31.17	4.49
702	Boiler B-701	VOC	0.58	0.88
		CO	1.22	1.83
		NO_x	4.86	7.30
		SO_2	0.02	0.03
		PM	0.48	0.71
703	Boiler B-701A	VOC	0.58	0.88
		CO	1.22	1.83
		NO_x	4.83	7.30
		SO_2	0.02	0.03
		PM	0.48	0.71
704	Boiler B-701B	VOC	0.58	0.73
		CO	1.22	1.52
		NO_x	4.54	5.68
		SO_2	0.02	0.03
		PM	0.48	0.60
706	Utility Area Fugitives (4)	VOC	2.13	9.33
714	Wastewater Area Fugitives (4)	VOC	<0.01	<0.01
F-722	Cooling Tower	VOC	Emergency/Upset Use Only	
F-300	Line 3 Process Fugitives (4)	VOC	3.24	14.20

(1) Emission point identification - either specific equipment

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AIR CONTAMINANTS DATA

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

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
PM - particulate matter
CO - carbon monoxide
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide

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

(5) Total residual VOC emissions from Emission Point Nos. (EPNs) 104, 204, 307, 604, 605, 606, 607, 608, 609, 615A, 615B, 615C, 618, 619, 620, 621, 627, and 628 are listed under EPN 618.

(6) Total spin dryer particulate emissions from EPNs 104, 204, and 307 are listed under EPN 307.

(7) Total emissions for EPNs 602A and 603A.

(8) Total emissions for EPNs 616A, 617A, and 625A.

(9) Total emissions for EPNs 626A and 626C.

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

_____Hrs/day_____Days/week_____Weeks/year or 8,760 Hrs/year

Dated ____