

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 9794

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
33015-1V	C-Line Slurry Surge Tank	(5) PM	VOC 0.27	6.36
33015-2V	C-Line Slurry Surge Tank	(5) PM	VOC 0.27	6.36
33015-1V and 33015-2V	C-Line Slurry Surge Tank	VOC PM		20.10 0.84
C-SCRN	C-Line Dewatering Screen	VOC PM	1.60 0.11	5.03 0.35
C-DRYER No. 1	C-Line Cyclone	VOC PM	1.85 0.34	5.82 1.06
C-DRYER No. 2	C-Line Hot Air Dryer	VOC PM	9.88 0.31	31.12 0.97
33015-3V	A-Line Slurry Surge Tank	(6) PM	VOC 0.55	7.63
33015-4V	A-Line Slurry Surge Tank	(6) PM	VOC 0.55	7.63
33015-3V and 33015-4V	A-Line Slurry Surge Tank	VOC PM		30.59 2.20
48043-1V	A-Line A-Rotary Screen	VOC	1.83	7.32

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Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
		PM	0.18	0.71

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Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
48043-2V	A-Line A-Rotary Screen	VOC PM	1.83 0.18	7.32 0.71
A-DRYER No. 1	A-Line Cyclone	VOC PM	5.61 0.33	22.48 1.32
A-DRYER No. 2	A-Line Hot Air Dryer	VOC PM	17.01 0.33	68.15 1.32
DUSTV	Carbon Black Vent	PM	0.13	0.54
SCRUBBERV	Carbon Black Scrubber	PM	0.02	0.09
48098-V	Carbon Black Vacuum Vent	PM	0.07	0.27
Flare 1	Flare (7)	VOC NO _x CO	35.05 2.27 11.57	29.67 1.92 9.81
EQ-18AV	Cooling Tower Fan A	VOC	0.50	2.18
EQ-18BV	Cooling Tower Fan B	VOC	0.50	2.18
EQ-18CV	Cooling Tower Fan C	VOC	0.50	2.18
BRFUG-3	Process Area Fugitives	VOC NH ₃	14.48 1.16	63.42 5.08
BRFUG-6	Storage Tank Area Fugitives 18.02		VOC	4.11
35092	TNPP Storage Tank	VOC	0.49	<0.01
33030	COD Storage Tank	VOC	2.48	0.02

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			lb/hr	TPY
34003	HA Oil Storage Tank	VOC	0.13	0.04
33002-1	West DEAC Storage Tank	VOC	10.93	0.19
33002-2	East DEAC Storage Tank	VOC	10.93	0.19
WW	Wastewater (4) (8)	VOC	97.0	388.0

- (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
 PM - particulate matter
 CO - carbon monoxide
 NH₃ - ammonia
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Emissions shall not occur from 33015-1V and 33015-2V at the same time.
- (6) Emissions shall not occur from 33015-3V and 33015-4V at the same time.
- (7) Emission rates do not include emergency venting to the flare.
- (8) Emission rates do not reflect best available control technology control which will be implemented per Special Condition No. 13.

* 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

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<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>

Dated _____