

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 21655

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
SRU1-INCIN	SRU No. 1 Incinerator	SO <sub>2</sub>	30.72	134.55
		RSC	0.43	1.88
		PM/PM <sub>10</sub>	0.16	0.68
		NMVOC	0.24	1.05
		NO <sub>x</sub>	2.20	9.63
		CO	1.00	4.38
SRU2-INCIN	SRU No. 2 Incinerator	SO <sub>2</sub>	30.72	134.55
		RSC	0.43	1.88
		PM/PM <sub>10</sub>	0.16	0.68
		NMVOC	0.24	1.05
		NO <sub>x</sub>	2.20	9.63
		CO	1.00	4.38
SRU1-FLARE	SRU1 Emergency Flare	SO <sub>2</sub>	0.011	0.046
		RSC	0.0001	0.0005
		NO <sub>x</sub>	0.027	0.116
		CO	0.227	0.993
		NMVOC	0.044	0.193
SRU2-FLARE	SRU2 Emergency Flare	SO <sub>2</sub>	0.011	0.046
		RSC	0.0001	0.0005
		NO <sub>x</sub>	0.027	0.116
		CO	0.227	0.993
		NMVOC	0.044	0.193
SWS-FLARE	SWS Emergency Flare	SO <sub>2</sub>	0.0001	0.0004
		RSC	<0.0001	0.0002
		NO <sub>x</sub>	0.017	0.075
		CO	0.034	0.149

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates</u> *	
			lb/hr	TPY
ATU1-FE	ATU No. 1 Fugitives (4)	NMVOC	0.182	0.796
		RSC	0.074	0.325
		CO	0.0005	0.002
		NH <sub>3</sub>	0.0001	0.0005
		DEA	0.041	0.180
ATU2-FE	ATU No. 2 Fugitives (4)	NMVOC	0.182	0.796
		RSC	0.074	0.325
		CO	0.0005	0.002
		NH <sub>3</sub>	0.0001	0.0005
		DEA	0.041	0.180
SRU1-FE	SRU No. 1 Fugitives (4)	NMVOC	0.004	0.015
		RSC	0.047	0.207
		SO <sub>2</sub>	0.002	0.010
		CO	0.0005	0.002
		NH <sub>3</sub>	0.017	0.076
		MDEA	0.03	0.131
SRU2-FE	SRU No. 2 Fugitives (4)	NMVOC	0.004	0.015
		RSC	0.053	0.233
		SO <sub>2</sub>	0.002	0.010
		CO	0.0005	0.002
		NH <sub>3</sub>	0.017	0.076
		MDEA	0.03	0.131
SWS1-FE	SWS No. 1 Fugitives (4)	NMVOC	0.002	0.009
		C <sub>6</sub> H <sub>6</sub>	0.0001	0.0004
		RSC	0.003	0.015
		NH <sub>3</sub>	0.0005	0.0021
SWS1-T3	SWS No. 1 - Tank 3	NMVOC	0.164	0.569
		C <sub>6</sub> H <sub>6</sub>	0.0003	0.0008
		RSC	0.006	0.011
		NH <sub>3</sub>	0.0001	0.0002

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- (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
  - PM<sub>10</sub> - particulate matter less than 10 microns
  - VOC - volatile organic compounds as defined in General Rule 101.1
  - NMVOC - non-methane VOC
  - NO<sub>x</sub> - total oxides of nitrogen
  - SO<sub>2</sub> - sulfur dioxide
  - CO - carbon monoxide
  - H<sub>2</sub>S - hydrogen sulfide
  - COS - carbonyl sulfide
  - CS<sub>2</sub> - carbon disulfide
  - S - sulfur
  - NH<sub>3</sub> - anhydrous ammonia
  - DEA - diethanolamine
  - MDEA - methyldiethanolamine
  - C<sub>6</sub>H<sub>6</sub> - benzene
  - RSC - reduced sulfur compounds (includes H<sub>2</sub>S, COS, CS<sub>2</sub>, and S)
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

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

Hrs/day\_\_\_\_Days/week\_\_\_\_Weeks/year\_\_\_\_or Hrs/year 8,760

Dated \_\_\_\_\_