

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 70741 and PSD-TX-1038

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**
SCV 1	Submerged Combustion Vaporizer	NO <sub>x</sub>	4.00	17.52
		CO 3.25	14.24	
		SO <sub>2</sub> 0.03	0.13	
		VOC 0.62	2.72	
		PM <sub>10</sub> 0.07	0.31	
SCV 2	Submerged Combustion Vaporizer	NO <sub>x</sub>	4.00	17.52
		CO 3.25	14.24	
		SO <sub>2</sub> 0.03	0.13	
		VOC 0.62	2.72	
		PM <sub>10</sub> 0.07	0.31	
SCV 3	Submerged Combustion Vaporizer	NO <sub>x</sub>	4.00	17.52
		CO 3.25	14.24	
		SO <sub>2</sub> 0.03	0.13	
		VOC 0.62	2.72	
		PM <sub>10</sub> 0.07	0.31	
SCV 4	Submerged Combustion Vaporizer	NO <sub>x</sub>	4.00	17.52
		CO 3.25	14.24	
		SO <sub>2</sub> 0.03	0.13	
		VOC 0.62	2.72	
		PM <sub>10</sub> 0.07	0.31	
SCV 5	Submerged Combustion Vaporizer	NO <sub>x</sub>	4.00	17.52
		CO 3.25	14.24	
		SO <sub>2</sub> 0.03	0.13	
		VOC 0.62	2.72	
		PM <sub>10</sub> 0.07	0.31	

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			lb/hr	TPY**
SCV 6	Submerged Combustion Vaporizer		NO <sub>x</sub>	4.00
		17.52		
		CO 3.25	14.24	
		SO <sub>2</sub> 0.03	0.13	
		VOC 0.62	2.72	
		PM <sub>10</sub> 0.07	0.31	
SCV 7	Submerged Combustion Vaporizer		NO <sub>x</sub>	4.00
		17.52		
		CO 3.25	14.24	
		SO <sub>2</sub> 0.03	0.13	
		VOC 0.62	2.72	
		PM <sub>10</sub> 0.07	0.31	
SCV 8	Submerged Combustion Vaporizer		NO <sub>x</sub>	4.00
		17.52		
		CO 3.25	14.24	
		SO <sub>2</sub> 0.03	0.13	
		VOC 0.62	2.72	
		PM <sub>10</sub> 0.07	0.31	
SCV 9	Submerged Combustion Vaporizer		NO <sub>x</sub>	4.00
		17.52		
		CO 3.25	14.24	
		SO <sub>2</sub> 0.03	0.13	
		VOC 0.62	2.72	
		PM <sub>10</sub> 0.07	0.31	
SCV 10	Submerged Combustion Vaporizer		NO <sub>x</sub>	4.00
		17.52		
		CO 3.25	14.24	
		SO <sub>2</sub> 0.03	0.13	
		VOC 0.62	2.72	
		PM <sub>10</sub> 0.07	0.31	
SCV 11	Submerged Combustion Vaporizer		NO <sub>x</sub>	4.00

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SCV 12	Submerged Combustion Vaporizer		17.52	
		CO	3.25	14.24
		SO <sub>2</sub>	0.03	0.13
		VOC	0.62	2.72
		PM <sub>10</sub>	0.07	0.31
SCV 13	Submerged Combustion Vaporizer		17.52	
		CO	3.25	14.24
		SO <sub>2</sub>	0.03	0.13
		VOC	0.62	2.72
		PM <sub>10</sub>	0.07	0.31
SCV 14	Submerged Combustion Vaporizer		17.52	
		CO	3.25	14.24
		SO <sub>2</sub>	0.03	0.13
		VOC	0.62	2.72
		PM <sub>10</sub>	0.07	0.31
SCV 15	Submerged Combustion Vaporizer		17.52	
		CO	3.25	14.24
		SO <sub>2</sub>	0.03	0.13
		VOC	0.62	2.72
		PM <sub>10</sub>	0.07	0.31
SCV 16	Submerged Combustion Vaporizer		17.52	
		CO	3.25	14.24

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		SO <sub>2</sub> 0.03	0.13	
		VOC 0.62	2.72	
		PM <sub>10</sub> 0.07	0.31	
EMGEN	Diesel Emergency Generator	NO <sub>x</sub>	37.96	9.49
	Caterpillar G3512 BDITA	CO	12.22	3.06
	2,168-hp	SO <sub>2</sub>	4.44	1.11
		VOC 1.67	0.42	
		PM <sub>10</sub> 0.91	0.23	
FWB	Diesel Firewater Pump	NO <sub>x</sub>	8.17	2.04
	Caterpillar G3408 DITA	CO	3.00	0.75
	525-hp	SO <sub>2</sub>	1.08	0.27
		VOC 0.18	0.05	
		PM <sub>10</sub> 0.54	0.14	
FWP	Diesel Firewater Pump	NO <sub>x</sub>	12.19	3.05
	Caterpillar G3412 CDIT	CO	0.55	0.14
	660-hp	SO <sub>2</sub>	1.35	0.34
		VOC 0.07	0.02	
		PM <sub>10</sub> 1.24	0.31	
FUG	Fugitives (4)	VOC	1.96	8.57

(1) Emission point identification - either specific equipment designation or emission point number from a plot plan.

(2) Specific point source names. For fugitive sources, use an area name or fugitive source name.

(3) NO<sub>x</sub> - total oxides of nitrogen

CO - carbon monoxide

SO<sub>2</sub> - sulfur dioxide

VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1

PM<sub>10</sub> - particulate matter (PM) equal to or less than 10 microns in diameter. Where PM is not listed, it shall

be assumed that no particulate matter greater than 10 microns is emitted.

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

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			<u>lb/hr</u>	<u>TPY**</u>

emission rate.

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

\*\* Compliance with annual emission limits is based on a rolling 12-month period.

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

Dated November 18, 2004