

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 28843

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 *	Source	Air Contaminant	Emission Rates	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
01	GCAT3606	VOC	1.65	7.24
		NO _x	3.22	14.1
		CO	6.12	26.8
		SO ₂	0.01	0.04
02	GCAT3516	VOC	1.20	5.24
		NO _x	4.78	21.0
		CO	3.59	15.7
		SO ₂	0.01	0.03
Total emissions from Emission Point Nos. 01 and 02 from the combined operation of GCAT3606 and GCAT3516 are as follows:				
	GCAT3606 and GCAT3516	VOC		7.24
		NO _x		21.0
		CO		26.8
		SO ₂		0.04
03	1WAUK9390	VOC	1.81	7.93
		NO _x	7.24	31.7
		CO	9.05	39.7
		SO ₂	0.01	0.04
04	2WAUK9390	VOC	1.81	7.93
		NO _x	7.24	31.7
		CO	9.05	39.7
		SO ₂	0.01	0.04
05	3WAUK9390	VOC	1.81	7.93
		NO _x	7.24	31.7

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Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
		CO	9.05	39.7
		SO ₂	0.01	0.04
06	4WAUK9390	VOC	1.81	7.93
		NO _x	7.24	31.7
		CO	9.05	39.7
		SO ₂	0.01	0.04
07	1CAT3516	VOC	1.20	5.24
		NO _x	4.78	21.0
		CO	3.59	15.7
		SO ₂	0.01	0.03
08	2CAT3516	VOC	1.20	5.24
		NO _x	4.78	21.0
		CO	3.59	15.7
		SO ₂	0.01	0.03
09	RCAT3516	VOC	1.20	5.24
		NO _x	4.78	21.0
		CO	3.59	15.7
		SO ₂	0.01	0.03
10	CAT3306	VOC	0.20	0.88
		NO _x	5.45	23.86
		CO	0.40	1.76
		SO ₂	<0.01	<0.01
11	REGENHTR	VOC	0.01	0.03
		NO _x	0.57	2.50
		CO	0.12	0.53
		SO ₂	<0.01	0.02
		PM	0.07	0.30
12A	AMINEHTR	VOC	0.01	0.03
		NO _x	0.48	2.09
		CO	0.10	0.44

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Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
		SO ₂	0.01	0.02
		PM	0.06	0.25
12B	AMINEHTR	VOC	0.01	0.03
		NO _x	0.48	2.09
		CO	0.10	0.44
		SO ₂	0.01	0.02
		PM	0.06	0.25
13	FLARE (5)	VOC	<0.01	<0.01
		NO _x	0.01	0.03
		CO	0.01	0.06
		SO ₂	0.0	0.0
		PM	0.0	0.0
14	AMINE VENT	VOC	0.0	0.0
FUG	FUGITIVES (4)	VOC	12.6	55.3

(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

SO₂ - sulfur dioxide

PM - particulate matter

CO - carbon monoxide

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

(5) Emergency flare is only used during upsets or maintenance.

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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>

Emissions from normal operation are generated from the combustion of pilot gas.

* 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