

## Emission Sources - Maximum Allowable Emission Rates

Permit Number 2339A

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, sources, and related activities. 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	
			lbs/hour	TPY (4)
263	Emergency Generator (500 kW)	CO	1.18	0.03
		NO <sub>x</sub>	19.33	0.48
		PM	0.15	0.01
		PM <sub>10</sub>	0.15	0.01
		PM <sub>2.5</sub>	0.15	0.01
		SO <sub>2</sub>	0.52	0.01
		VOC	0.08	0.01
354	Emergency Generator (750 kW)	CO	1.13	0.03
		NO <sub>x</sub>	17.02	0.43
		PM	0.13	0.01
		PM <sub>10</sub>	0.13	0.01
		PM <sub>2.5</sub>	0.13	0.01
		SO <sub>2</sub>	0.40	0.01
		VOC	0.15	0.01
EGEN-3	Emergency Generator (1,000 kW)	CO	9.02	0.23
		NO <sub>x</sub>	41.85	1.05

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		PM	2.97	0.07
		PM <sub>10</sub>	2.97	0.07
		PM <sub>2.5</sub>	2.97	0.07
		SO <sub>2</sub>	2.77	0.07
		VOC	3.33	0.08
300	60" Hydrogen Stack	PM	0.03	0.03
		PM <sub>10</sub>	0.03	0.03
		PM <sub>2.5</sub>	0.03	0.03
301	10" Hydrogen Stack	PM	0.03	0.03
		PM <sub>10</sub>	0.03	0.03
		PM <sub>2.5</sub>	0.03	0.03
302	Emergency Vent Scrubber	Cl <sub>2</sub>	<0.01	0.04
303	CVS After Scrubber	Cl <sub>2</sub>	1.55	0.37
304	Elephant Trunk Scrubber	Cl <sub>2</sub>	0.92	0.01
351	Asbestos Baghouse	Asbestos	0.01	0.01
356	East Drying Oven	PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
		VOC (6)	0.74	0.19
357	West Drying Oven	VOC (6)	0.74	--
110	Chlorine Recovery Fugitives (5)	Cl <sub>2</sub>	0.16	0.68
120	Fugitives (5)	Cl <sub>2</sub>	0.22	0.94
130	Loading Area Fugitives (5)	Cl <sub>2</sub>	0.19	0.85
135	Chlorine Sniff Scrubber	Cl <sub>2</sub>	0.03	0.13
		HCl	0.02	0.09

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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)

Cl <sub>2</sub>	-	chlorine
CO	-	carbon monoxide
HCl	-	hydrogen chloride
NO <sub>x</sub>	-	total oxides of nitrogen
PM	-	total particulate matter, suspended in the atmosphere, including PM <sub>10</sub> and PM <sub>2.5</sub> , as represented
PM <sub>10</sub>	-	total particulate matter equal to or less than 10 microns in diameter, including PM <sub>2.5</sub> , as represented
PM <sub>2.5</sub>	-	particulate matter equal to or less than 2.5 microns in diameter
SO <sub>2</sub>	-	sulfur dioxide
VOC	-	volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- (4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (6) The holder of this permit may allocate all or part of the annual VOC emissions limit from Emission Point No. (EPN) 356 to EPN 357, provided that the overall limit of 0.19 TPY is not exceeded.

Dated January 9, 2017