Emission Sources - Maximum Allowable Emission Rates

Permit Number 9335

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)
33	Scrubber Stack	VOC	5.32	19.30
		NO_x	0.60	2.63
		SO_2	(5)	(5)
		PM	1.50	6.50
		CO	2.75	11.12
34	Scrubber Stack	VOC	0.16	0.71
		NO_x	1.06	4.64
		SO_2	(5)	(5)
		PM	0.93	4.14
		CO	0.51	2.23
		H_2S	0.001	0.005
35	Scrubber Stack	VOC	0.25	1.09
		NO_x	0.70	3.00
		SO_2	(5)	(5)
		PM	0.75	3.30
		CO	0.37	1.62
		H_2S	0.18	0.77
36	Scrubber Stack	VOC	0.25	1.07
		NO_x	1.32	3.85
		SO_2	(5)	(5)

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		$PM_{10}/PM_{2.5}$	1.33	5.83
		CO	0.62	1.09
		H_2S	0.18	0.77
33, 34, 35, and 36	Combined Caps (5)	SO_2	75.00	99.26
35-1, 35-2, 35-3, 35-4, and 35-5	Burner Vents	VOC	0.02	0.10
		NO_x	0.41	1.80
		SO_2	0.06	0.25
		$PM_{10}/PM_{2.5}$	0.03	0.13
		CO	0.34	1.50
36-1, 36-2, 36-3, 36-4, and 36-5	Calciner 3 Burner Vents	VOC	0.02	0.10
		NO_x	0.40	1.76
		SO_2	0.06	0.26
		$PM_{10}/PM_{2.5}$	0.03	0.13
		CO	0.34	1.48
37	Regeneration 3 Baghouse	$PM_{10}/PM_{2.5}$	0.10	0.44
FUG1	Fugitives (6)	VOC	0.11	0.44
		H_2S	0.15	0.64
FUG2	Fugitives (6)	VOC	0.11	0.49
		H_2S	0.16	0.70
FUG3	Fugitives (6)	VOC	0.11	0.44
		H_2S	0.15	0.64
RBH	Regeneration Baghouse	PM	0.02	0.11
RWS	Regeneration Wet Scrubber	PM	0.51	2.23

(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.

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(3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
CO - carbon monoxide
H_2S - hydrogen sulfide
SO_2 - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented
PM_{10} - total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter

(4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.

(5) Sulfur dioxide emission rates of 75 pounds per hour and 99.26 tons per year represent the emissions from EPNs 33, 34, 35 and 36 combined.

(6) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Date: June 29, 2012