

# Emission Sources - Maximum Allowable Emission Rates

Special Permit Number 18965

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 (6)	
			lbs/hour	TPY (4)
001	Chrome Tanks 1 and 2 Scrubber Stack	PM (7)	0.003	0.014
		PM <sub>10</sub> (7)	0.003	0.014
		PM <sub>2.5</sub> (7)	0.003	0.014
		Cr (8)	0.0016	0.0069
002	Chrome Tanks 3 and 4 Scrubber Stack	PM (7)	0.003	0.014
		PM <sub>10</sub> (7)	0.003	0.014
		PM <sub>2.5</sub> (7)	0.003	0.014
		Cr (8)	0.0016	0.0069
005	Chrome Tank 5 Scrubber Stack	PM (7)	0.0025	0.011
		PM <sub>10</sub> (7)	0.0025	0.011
		PM <sub>2.5</sub> (7)	0.0025	0.011
		Cr (8)	0.0012	0.0054
005A	Chrome Tank 5 Scrubber Stack	PM (7)	0.0033	0.015
		PM <sub>10</sub> (7)	0.0033	0.015
		PM <sub>2.5</sub> (7)	0.0033	0.015
		Cr (8)	0.0016	0.0072
CT4	Cooling Tower No. 4	PM	0.30	1.32
		PM <sub>10</sub>	0.30	1.32
		PM <sub>2.5</sub>	0.30	1.32
		Cr	0.000020	0.000087

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CT5	Cooling Tower No. 5	PM	0.50	2.20
		PM <sub>10</sub>	0.50	2.20
		PM <sub>2.5</sub>	0.50	2.20
		Cr	0.000033	0.00014
FUG-1	Building Fugitives (5)	VOC	1.38	6.02
GRT	Ground Water Remediation Tanks	VOC	0.004	0.018
		SO <sub>2</sub>	0.004	0.018

- (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 Title 30 Texas Administrative Code § 101.1
- SO<sub>2</sub> - sulfur dioxide
- 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
- Cr - chromium
- (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) Planned startup and shutdown emissions and planned routine maintenance activities are included.
- (7) Predominately chromic acid mist.
- (8) For TCEQ effects screening level (ESL) evaluation, Cr shall be considered as Cr +6.

Date: January 18, 2017