

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 3342

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)	<u>Emission Rates</u>	
			lb/hr	TPY (4)
S-5	Sulfuric Tank Nos. 1 and 2 Scrubber Stack	H ₂ SO ₄	0.17	0.77
S-2	Sulfuric Tank Nos. 3 and 4 East Scrubber Stack	H ₂ SO ₄	0.09	0.38
S-3	Sulfuric Tank Nos. 3 and 4 West Scrubber Stack	H ₂ SO ₄	0.09	0.38
S-1	Sulfuric Tank No. 5 Scrubber Stack	H ₂ SO ₄	0.07	0.29
S-6	Conversion Coating Tank No. 1 Scrubber Stack	HNO ₃	0.02	0.08
		Zinc Phosphate	0.05	0.20
		Zinc Nitrate	0.03	0.06
S-4	Conversion Coating Tank No. 2 Scrubber Stack	HNO ₃	0.02	0.08
		Zinc Phosphate	0.05	0.20
		Zinc Nitrate	0.03	0.06
T-1	Sulfuric Acid Tank Fugitives (5)	H ₂ SO ₄	2.60	5.20
NGFUG	Annealing Furnace Nos. 1, 2, and 3/ Batch Dryer/Tube Dryer (5)	NO _x	2.88	12.59
		CO	2.42	10.58
		VOC	0.16	0.69
		PM/PM ₁₀ /PM _{2.5}	0.22	0.96

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CAUFUG	Caustic Cleaning Tank (5)	SO ₂	0.02	0.08
		NaOH	0.45	1.94
NEUFUG	Neutralizer Tank (5)	NaNO ₂	0.17	0.75
LUBFUG	Lube Tank (5)	C ₁₈ H ₃₅ NaO ₂	0.62	2.70
SP-1	Specialty Tube Marking (5)	VOC	3.48	6.96
All (Sitewide)	Various	Single HAP		<10.00
		All HAPS		<25.00

(1) Emission point identification.

(2) Specific source name.

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

NO_x - total oxides of nitrogen

SO₂ - sulfur dioxide

PM - particulate matter, suspended in the atmosphere, including PM₁₀

PM₁₀ - particulate matter equal to or less than 10 microns in diameter

PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter

CO - carbon monoxide

H₂SO₄ - sulfuric acid

HNO₃ - nitric acid

NaNO₂ - sodium nitrate

NaOH - sodium hydroxide

C₁₈H₃₅NaO₂ - sodium stearate

HAP(s) - any air contaminant(s) (pollutant) listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C

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

(5) Fugitive emissions are an estimate only.

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Dated June 22, 2010