

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 1257A

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)	Emission Rates *	
			lb/hr	TPY**
B-3-1	Flare	SO ₂	115.92	303.37
		CO	60.8	189.4
		VOC	60.96	162.11
		NO _x	2.75	12.07
		NH ₃	0.01	0.01
		Acetone	3.23	8.45
B-3-3	Tank 34140	Acetone	0.30	0.01
		VOC 11.48	0.11	
		Methacrylamide	0.01	0.01
		SO ₂ 0.01	0.01	
B-3-4	Tank 34120	Acetone	0.01	0.03
		VOC 4.79	0.09	
B-3-5	Tank 34125	Acetone	0.01	0.01
		VOC 4.79	0.16	
B-3-7	Tank 34290	VOC	26.38	0.56
B-3-8	Tank 34291	VOC	47.32	0.27
B-3-9	Tank 34326	VOC	11.17	0.14
B-3-10	Tank 34327	VOC	0.59	0.04

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			<u>lb/hr</u>	
	TPY**			
B-3-11	Tank 34335	NH ₃	2.76	0.05
		Acetone	33.24	0.57
		Methyl acetate	4.13	0.07
		Methyl formate	2.87	0.05
		VOC 13.51	0.24	
B-3-12	Tank 34343	Acetone	46.97	0.42
		NH ₃ 3.83	0.04	
		VOC 18.80	0.18	
		Methyl acetate	0.06	0.1
		Methyl formate	0.04	0.07
B-3-18	Tank 34402	NH ₃	0.01	0.07
		Acetone	0.49	0.79
		VOC 0.20	0.33	
		Methyl acetate	0.06	0.1
		Methyl formate	0.04	0.07
B-3-19	Tank 34426	NH ₃	0.01	0.06
		Acetone	0.04	0.73
		VOC 0.66	0.30	
		Methyl acetate	0.06	0.09
		Methyl formate	0.03	0.06
B-3-20	Tank 34430	Acetone	0.98	0.26
		VOC 2.59	0.06	
		Methyl acetate	0.09	0.09
		Methyl formate	0.37	0.06
B-3-22	Tank 96600	VOC	0.67	0.35

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	TPY**			
B-3-36	Tank 22080	Acetone	3.99	0.03
		VOC 2.14	0.01	
		Methyl acetate	0.39	0.01
		Methyl formate	0.33	0.01
		NH ₃ 1.10	0.01	
B-3-39	Tank 22100	Acetone	0.01	0.01
		VOC 0.01	0.01	
		SO ₂	0.01	0.01
B-3-40	Tank 22119	Acetone	0.01	0.01
		VOC 0.01	0.01	
		SO ₂	0.01	0.01
B-3-41	Tank 22120	Acetone	0.01	0.01
		VOC 0.01	0.01	
		SO ₂	0.01	0.01
B-3-42	Tank 22150	VOC	0.25	0.01
B-3-43	Tank 22155	VOC	0.71	0.01
B-3-44	Tank 34670	Acetone	1.24	0.01
		VOC 0.01	0.01	
B-3-47 and B-3-48 total	B-3 Rack Fugitives (4)	SO ₂	0.01	0.05
		CO	0.37	1.61
		NH ₃	0.16	0.70
		Acetone	0.01	0.02
		VOC 0.91	3.72	
		Methyl acetate	0.01	0.001
		Methyl formate	0.01	0.01
		Methacrylamide	0.01	0.001

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			lb/hr	
	TPY**			
B-3-49 and B-3-50	GMAA Rack Fugitives (4)	VOC	0.86	3.78
B-3-51	Scrubber	Acetone	0.01	0.01
		CO	0.01	0.01
		SO ₂	0.08	0.36
B-3-52	Tank 34276	Acetone	0.05	0.01
		VOC	0.01	
B-3-55	Tanks 34560 and 34730 Acid Residue Tanks	Acetone	1.28	1.2
		VOC	6.45	6.10
B-3-56	Tanks 96609 and T-96658 Acetone Cyanohydrin Tanks	Acetone	2.5	1.2
B-3-57	Tanks 96616 and 96623 Stripped Crude MMA Tanks	VOC	1.7	0.94
B-3-58	Tanks 22002 and 22003 GMAA Crude Tanks	SO ₂	0.01	0.01
		Acetone	0.69	0.30
		VOC	0.88	0.40
B-3-59	Tanks 22060 and 22065 GMMA rundown Tanks	VOC	0.20	0.06
B-3-60	Tanks 22070 and 22075 GMAA Product Tanks	VOC	2.29	0.13
B-4-2	Tank 22125	Acetone	0.01	0.01
		VOC	0.01	0.02
		Methyl acetate	0.01	0.01

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	TPY**			
		Methyl formate	0.01	0.01
		Methacrylamide	0.01	0.01
B-4-4	Tank 33327	VOC	31.47	0.07
B-4-5	Tank 33336	Acetone	73.79	0.01
		NH ₃	6.01	0.07
		VOC 29.57	0.02	
		Methyl acetate	9.19	0.02
		Methyl formate	6.33	0.01
B-4-9	B-4 Rack Fugitives (4)	Acetone	0.07	0.33
		NH ₃	0.08	0.34
		CO	0.07	0.30
		SO ₂	0.01	0.01
		VOC 1.08	4.72	
		Methyl formate	0.02	0.09
T-96658FU	Tank 99658	VOC	0.018	0.08
B-3-70	Tank 34248 Fugitives	Sulfuric acid	0.01	0.01
		Acetone	1.58	0.01
		SO ₂	0.01	0.01
		VOC	3.67	0.01

(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) SO₂ - sulfur dioxide

CO - carbon monoxide

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

NO_x - oxides of nitrogen

NH₃ - ammonia

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

* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

Hrs/day ____ Days/week _____ Weeks/year ____ or Hrs/year 8,760

** Compliance with annual emission limits is based on a rolling 12-month period.

Dated August 21, 2007