

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 9081

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**
01-F-5H	WW Hopper	VOC	0.34	1.49
01-F-6H	WW Hopper	VOC	0.34	1.49
01-T-12	Raw Material Storage Tank	Poly	0.34	0.01
01-T-15	Raw Material Storage Tank	Sodium Hypochlorite/ Sodium Hydroxide Solution	0.64	0.20
01-T-50	Raw Material Storage tank	Poly	0.22	0.01
01-T-59	Raw Material Storage tank	Emulsion Polymer (Acrylamide)	0.01	0.01
05-F-1AH	Filter Press Collection Bin	VOC	0.68	2.98
05-F-1BH	Filter Press Collection Bin	VOC	0.68	2.98
05-F-2H	Filter Press Collection Bin	VOC	0.68	2.98
05-F-3H	Filter Press Collection Bin	VOC	0.68	2.98
05-F-4H	Filter Press Collection Bin	VOC	0.34	1.49

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05-T-4A	Fuels/Sludge Tank CAS	VOC	17.07	0.77
05-T-4B	Fuels/SludgeTank CAS	VOC	17.07	0.77
05-T-4C,D,E	Fuels Tank CAS	VOC	17.07	1.47
05-T-563	RFO Refining (Odor Scrubber S-1)	VOC	6.43	3.58
05-T-567	RFO Refining (Odor Scrubber S-1)	VOC	6.43	3.58
05-V-2C	Sludge Bin	VOC	1.15	1.68
TP1	Truck Pad 1	VOC	2.49	1.04
TP2	Truck Pad 2	VOC	11.77	2.57
FUG	Equipment Fugitives	VOC (4)	11.77	2.00

WASTEWATER SYSTEM (WWS)

01-C-5	Diffused Air Biotreatment	VOC
01-C-7	Circular Clarifier	VOC
01-C9a/b	Aerated BioTreatment	VOC
01-T-532	Storage Tank	VOC
01-T-56	Aerated BioTreatment	VOC
01-T-569	Storage Tank	VOC
01-T-570	Storage Tank	VOC
01-T-571	Storage Tank	VOC
01-T-572	Storage Tank	VOC
01-T-573	Storage Tank	VOC
01-T-58	Storage Tank	VOC
01-T-43	Circular Clarifier	VOC
05-T-44	Storage tank	VOC

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05-T-51	Storage Tank/Scrubber	VOC		
05-T-52	Storage Tank/Scrubber	VOC		
05-T-53	Storage Tank/Scrubber	VOC		
05-T-574	Storage Tank/Scrubber	VOC		
05-T-575	Storage Tank/Scrubber	VOC		
05-T-591	Storage Tank/Scrubber	VOC		
	WWS TOTALS	VOC	10.11	2.45
		Non-VOC (acetone)	19.97	0.03
		Benzene (5)	0.039	0.18
		Styrene (5)	0.023	0.34
	DEEP WELL SYSTEM			
05-T-1A	WW Storage Tank CAS	VOC		
05-T-51	WW Storage Tank Scrubber	VOC		
05-T-52	WW Storage Tank Scrubber	VOC		
05-T-53	WW Storage Tank Scrubber	VOC		
05-T-54	WW Storage Tank Scrubber	VOC		
05-T-55	WW Storage Tank Scrubber	VOC		
05-C-1	Circular Clarifier Scrubber	VOC		
05-C-2	Circular Clarifier	VOC		
05-C-3	Circular Clarifier	VOC		
05-C-4	Circular Clarifier Scrubber	VOC		
05-T-583	WW Storage Tank CAS	VOC		

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05-T-584	WW Storage Tank	VOC		
05-T-1B	WW Storage Tank CAS	VOC		
05-T-9B	WW Storage Tank Scrubber	VOC		
05-T-21	WW Storage Tank CAS	VOC		
05-T-22	WW Storage Tank CAS	VOC		
05-T-585	WW Storage Tank	VOC		
05-T-589	WW Storage Tank Scrubber	VOC		
05-T-590	WW Storage Tank	VOC		
05-T-43	Circular Clarifier	VOC		
05-T-44	WW Storage Tank	VOC		
05-T-9A	WW Storage Tank Scrubber	VOC		
05-T-5	WW Storage Tank	VOC		
05-T-8	WW Storage Tank	VOC		
	DWS TOTALS	VOC	7.20	3.63
		Non-VOC (acetone)	0.06	0.005
		Benzene (5)	0.15	0.14
		Styrene (5)		

- (1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
- (2) Specific point source names. For fugitive sources, use an area name or fugitive source name.
- (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- HAP - hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations (40 CFR) Part 63, Subpart C
- Poly - Dimethyldiallylammonium chloride
- CAS - Carbon Adsorption System
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Benzene and styrene emissions are included in the total VOC.

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

__Hrs/day __Days/week __Weeks/year or 8760 Hrs/year

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