

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 19694

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**
GBR001	Groundwater Transfer Tank	VOC	0.45	0.17
GBW004	Sanitary WTS (6)	VOC	0.01	0.01
		Cl ₂ 0.01	0.01	
GBW005	WTS pH Adjustment Tank (5)	VOC	1.02	1.30
		Cl ₂ 0.28	0.91	
GBW006	WTS Dechlorinator (5)	VOC	0.74	0.92
		Cl ₂ 0.27	0.87	
GBW007	WTS Recycle Sludge Tank (5)	VOC	0.64	0.81
		Cl ₂ 0.24	0.77	
GBW008	WTS Primary Clarifier (5)	VOC	0.50	0.66
		Cl ₂ 0.73	2.58	
		NH ₃ 0.01	0.01	
GBW009	WTS Sludge Hold Tank	VOC	3.36	3.85
GBW011	WTS Collection Tank	VOC	0.01	0.01
GBW015	APT Collection Tank	VOC	0.01	0.01
GBW016	Groundwater Vacuum Pump	VOC	0.02	0.06
GBW017	Polymer Mix Tank	VOC	0.16	0.01
GBW018	Organic Phase Separator Tank	VOC	0.71	0.02
GBW018A	Organic Loading Operation	VOC	3.97	0.02
GBW021	Area 61 Groundwater Vacuum Pump Separator	VOC	0.08	0.15

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GBW022	STS Poly Mix Tank	VOC	0.01	
GBW027	1st Stage Mix Tank	VOC	0.18	0.48
GBW027A	1st Stage Fast Mix Tank	VOC	0.05	0.14
GBW028	2nd Stage Mix Tank	VOC	0.12	0.26
GBW028A	2nd Stage Fast Mix Tank	VOC	0.03	0.07
GBW030	WTS Weak Acid Surge Tank	VOC	0.01	0.01
GBW033	WTS Chlorine Contact Tank	VOC	0.01	0.13
			Cl ₂ 0.01	0.01
GBW041	APT Sludge Hold Tank	VOC	0.11	0.05
GBW042	Filter Press	VOC	0.03	0.01
GBW043	3rd Stage Mix Tank	VOC	0.06	0.17
GBW043A	3rd Stage Fast Mix Tank	VOC	0.02	0.05
GBW044	4th Stage Mix Tank	VOC	0.06	0.11
GBW044A	4th Stage Fast Mix Tank	VOC	0.02	0.03
GBW045	1st Stage Floc Tank	VOC	0.01	0.01
GBW046	1st Stage Separator	VOC	0.01	0.01
GBW047	2nd Stage Floc Tank	VOC	0.01	0.01
GBW048	2nd Stage Separator	VOC	0.01	0.01
GBW049	3rd Stage Floc Tank	VOC	0.01	0.01
GBW050	3rd Stage Separator	VOC	0.01	0.01

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GBW051	4th Stage Flocc Tank	VOC	0.01	0.01
GBW052	4th Stage Separator	VOC	0.01	0.01
GBW053	APT Polymer Storage Tank	VOC	0.05	0.01
GBW054	WTS Polymer Storage Tank	VOC	0.04	0.01
GBW055	APT Filtrate Surge Tank	VOC	0.09	0.03
GBW056	STS Polymer Tank	VOC	0.07	0.01
GBW058	WTS Sump	VOC	0.01	0.01
			NH ₃ 0.03	0.04
GBW061	APT Area Sump	VOC	0.01	0.01
GBW065	WTS Filtrate Surge Tank	VOC	3.26	0.28
GBW066A	APT South Hold Tank	VOC	0.01	0.02
GBW066B	APT North Hold Tank	VOC	0.01	0.02
GBW067	Carbon Adsorber Vent	VOC	0.06	0.15
GBW068	Stripper Recycle Tank	VOC	0.01	0.01
GBW069	Clarifier Surge Tank	VOC	0.21	0.32
			NH ₃ 0.01	0.01
GWB070	SBR West Batch Feed Tank	VOC	0.02	0.07
			NH ₃ 0.01	0.02
GBW071	SBR Middle Batch Feed Tank	VOC	0.02	0.07
			NH ₃ 0.01	0.02

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			lb/hr	TPY**
GBW072	SBR East Batch Feed Tank	VOC	0.02	0.07
			NH ₃ 0.01	0.02
GBW073	West Sequencing Batch Reactor	VOC	0.37	0.45
			NH ₃ 0.11	0.23
GBW074	East Sequencing Batch Reactor	VOC	0.37	0.45
			NH ₃ 0.11	0.23
GBW075	SBR Effluent Tank	VOC	0.01	0.01
			NH ₃ 0.01	0.01
GBW076	Aerobic Digester	VOC	0.01	0.01
GBW078	Organic Separator	VOC	1.11	0.78
GBW079	Stripper Feed Tank	VOC	0.04	0.06
GBW080A	Tertiary Treatment Carbon Bed A	VOC	0.03	0.01
GBW080B	Tertiary Treatment Carbon Bed B	VOC	0.02	0.01
GBW080C	Tertiary Treatment Carbon Bed C	VOC	0.03	0.01
GBW080D	Tertiary Treatment Carbon Bed D	VOC	0.02	0.01
GBW081	Propylene Glycol Tote No. 1	VOC	0.01	0.01
GBW082	Propylene Glycol Tote No. 2	VOC	0.01	0.01
GBW083	Filter Cake Storage Bin	VOC	0.01	0.02
GBW087A	SWTS Sump A	VOC	0.01	0.01
			NH ₃ 0.01	0.01
GBW087B	SWTS Sump B	VOC	0.01	0.01

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			NH ₃ 0.01	0.01
GBW087C	SWTS Sump C	VOC	0.01	0.01
			NH ₃ 0.01	0.01
GBW087D	SWTS Sump D	VOC	0.01	0.01
			NH ₃ 0.01	0.01
GBW087E	SWTS Sump E	VOC	0.01	0.01
			NH ₃ 0.01	0.01
GBW087F	SWTS Sump F	VOC	0.01	0.01
			NH ₃ 0.01	0.01
FGBW01	Wastewater Fugitives (4)	VOC	0.08	0.37
			HCl 0.44	1.92

MAINTENANCE EMISSIONS:

GBW005	WTS pH Adjustment Tank (5)	VOC	0.01	0.01
GBW006	WTS Dechlorinator (5)	VOC	0.01	0.01
GBW007	WTS Recycle Sludge Tank (5)	VOC	0.01	0.01
GBW008	WTS Primary Clarifier (5)	VOC	0.01	0.01
GBW009	WTS Sludge Hold Tank	VOC	0.01	0.01
GBW011	WTS Collection Tank	VOC	0.01	0.01
GBW058	WTS Sump	VOC	0.01	0.01
GBW069	Clarifier Surge Tank	VOC	0.01	0.01
GBW070	SBR West Batch Feed Tank	VOC	0.48	0.01

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GBW071	SBR Middle Batch Feed Tank	VOC	0.48	0.01
GBW072	SBR East Batch Feed Tank	VOC	0.48	0.01
GBW073	West Sequencing Batch Reactor	VOC	2.50	0.02
GBW074	East Sequencing Batch Reactor	VOC	2.50	0.02
GBW080A	Tertiary Treatment Carbon Bed A	VOC	0.01	0.01
GBW080B	Tertiary Treatment Carbon Bed B	VOC	0.01	0.01
GBW080C	Tertiary Treatment Carbon Bed C	VOC	0.01	0.01
GBW080D	Tertiary Treatment Carbon Bed D	VOC	0.01	0.01
MGBW01	Equipment Opening/ Backwash of Tertiary Treatment Carbon Beds A through D	VOC	0.30	0.30

(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

NO_x - total oxides of nitrogen

SO₂ - sulfur dioxide

PM - particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}.

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

HCl - hydrogen chloride

NH₃ - ammonia

(4) Emission rate is an estimate and compliance is demonstrated by meeting the requirements of the applicable special conditions and permit application representations.

(5) These sources are referenced-in only, not rolled-in. They will continue to be authorized under Standard Exemption 61, authorized on June 18, 1992.

(6) This source is referenced-in only, not rolled-in. It will continue to be authorized under Permit by

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Rule § 106.532, authorized on September 4, 2000.

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

____Hrs/day __Days/week __Weeks/year or 8,760 Hrs/year

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

Dated November 29, 2006