

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, 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 Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
GBR001	Groundwater Transfer Vessel	VOC	0.06	0.19
GBW004	Sanitary WTS (6)	Cl ₂	0.01	0.01
		VOC	0.01	0.01
GBW005	WTS pH Adjustment Vessel (7)	Cl ₂	0.57	0.63
		NH ₃	<0.01	<0.01
		VOC	0.29	1.27
GBW006	WTS Dechlorinator (7)	Cl ₂	0.56	0.62
		NH ₃	<0.01	<0.01
		VOC	0.18	0.79
GBW007	WTS Recycle Sludge Vessel (7)	Cl ₂	0.48	0.53
		NH ₃	<0.01	<0.01
		VOC	0.14	0.63
GBW008	WTS Primary Clarifier (7)	Cl ₂	0.99	1.08
		NH ₃	<0.01	<0.01
		VOC	0.05	0.20
GBW009	WTS Sludge Hold Vessel	Cl ₂	<0.01	<0.01
		NH ₃	<0.01	<0.01
		VOC	3.69	3.63
GBW011	WTS Collection Vessel	Cl ₂	<0.01	<0.01
		NH ₃	<0.01	<0.01
		VOC	0.09	0.41
GBW015	APT Collection Vessel	Cl ₂	<0.01	<0.01
		NH ₃	<0.01	<0.01
		VOC	0.07	0.21
GBW017	Polymer Mix Vessel	VOC	0.17	0.01
GBW018	Organic Phase Separation Vessel	VOC	0.71	0.01
GBW018A	Organic Loading	VOC	3.97	0.02

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GBW021	Area 61 Groundwater Vacuum Pump Separator	VOC	0.01	0.03
GBW022	STS Polymer Mix Vessel	VOC	0.01	0.01
GBW027	1st Stage Mix Vessel	Cl ₂	0.01	0.01
		NH ₃	0.01	0.01
		VOC	0.11	0.35
GBW027A	1st Stage Fast Mix Vessel	Cl ₂	<0.01	<0.01
		NH ₃	<0.01	<0.01
		VOC	<0.01	<0.01
GBW028	2nd Stage Mix Vessel	Cl ₂	<0.01	<0.01
		NH ₃	<0.01	<0.01
		VOC	0.09	0.30
GBW028A	2nd Stage Fast Mix Vessel	Cl ₂	<0.01	<0.01
		NH ₃	<0.01	<0.01
		VOC	<0.01	<0.01
GBW030	WTS Weak Acid Stream Vessel	Cl ₂	<0.01	<0.01
		NH ₃	<0.01	<0.01
		VOC	<0.01	0.01
GBW033	WTS Chlorine Contact Vessel	Cl ₂	<0.01	<0.01
		NH ₃	<0.01	<0.01
		VOC	<0.01	<0.01
GBW041	APT Sludge Hold Vessel	Cl ₂	<0.01	<0.01
		NH ₃	<0.01	<0.01
		VOC	0.01	0.02
GBW042	Filter Press	Cl ₂	<0.01	<0.01
		NH ₃	<0.01	<0.01
		VOC	0.06	0.02
GBW043	3rd Stage Mix Vessel	Cl ₂	<0.01	<0.01
		NH ₃	<0.01	<0.01
		VOC	0.07	0.25

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GBW043A	3rd Stage Fast Mix Vessel	Cl ₂	<0.01	<0.01
		NH ₃	<0.01	<0.01
		VOC	0.01	0.01
GBW044	4th Stage Mix Vessel	Cl ₂	<0.01	<0.01
		NH ₃	<0.01	<0.01
		VOC	0.06	0.21
GBW044A	4th Stage Fast Mix Vessel	Cl ₂	<0.01	<0.01
		NH ₃	<0.01	<0.01
		VOC	0.01	0.01
GBW045	1st Stage Flocculation Vessel	Cl ₂	<0.01	<0.01
		NH ₃	<0.01	<0.01
		VOC	<0.01	<0.01
GBW046	1st Stage Separator	Cl ₂	<0.01	<0.01
		NH ₃	<0.01	<0.01
		VOC	0.01	0.05
GBW047	2nd Stage Flocculation Vessel	Cl ₂	<0.01	<0.01
		NH ₃	<0.01	<0.01
		VOC	<0.01	<0.01
GBW048	2nd Stage Separator	Cl ₂	<0.01	<0.01
		NH ₃	<0.01	<0.01
		VOC	0.01	0.04
GBW049	3rd Stage Flocculation Vessel	Cl ₂	<0.01	<0.01
		NH ₃	<0.01	<0.01
		VOC	<0.01	<0.01
GBW050	3rd Stage Separator	Cl ₂	<0.01	<0.01
		NH ₃	<0.01	<0.01
		VOC	0.01	0.03
GBW051	4th Stage Flocculation Vessel	Cl ₂	<0.01	<0.01
		NH ₃	<0.01	<0.01

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		VOC	<0.01	<0.01
GBW052	4th Stage Separator	Cl ₂	<0.01	<0.01
		NH ₃	<0.01	<0.01
		VOC	0.01	0.03
GBW053	APT Polymer Storage Tank	VOC	0.05	0.01
GBW054	WTS Polymer Storage Tank	VOC	0.04	0.01
GBW055	APT Filtrate Surge Vessel	Cl ₂	<0.01	0.01
		NH ₃	<0.01	<0.01
		VOC	0.03	0.05
GBW058	WTS Sump	Cl ₂	<0.01	<0.01
		NH ₃	<0.01	<0.01
		VOC	<0.01	<0.01
GBW061	APT Sump	Cl ₂	<0.01	<0.01
		NH ₃	<0.01	<0.01
		VOC	<0.01	<0.01
GBW065	WTS Filtrate Surge Vessel	Cl ₂	<0.01	<0.01
		NH ₃	<0.01	<0.01
		VOC	3.37	0.25
GBW066A	APT South Hold Vessel	Cl ₂	<0.01	<0.01
		NH ₃	<0.01	<0.01
		VOC	0.02	0.07
GBW066B	APT North Hold Vessel	Cl ₂	<0.01	<0.01
		NH ₃	<0.01	<0.01
		VOC	0.02	0.07
GBW067	Carbon Adsorption Vent	VOC	0.06	0.15
GBW068	Stripper Recycle Vessel	VOC	<0.01	<0.01
GBW069	Clarifier Surge Vessel	Cl ₂	<0.01	<0.01
		NH ₃	<0.01	<0.01
		VOC	0.03	0.12

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GBW070	SBR West Batch Feed Vessel	Cl ₂	<0.01	<0.01
		NH ₃	0.01	0.06
		VOC	0.02	0.06
GBW071	SBR Middle Batch Feed Vessel	Cl ₂	<0.01	<0.01
		NH ₃	0.01	0.06
		VOC	0.02	0.06
GBW072	SBR East Batch Feed Vessel	Cl ₂	<0.01	<0.01
		NH ₃	0.01	0.06
		VOC	0.02	0.06
GBW073	West SBR	Cl ₂	<0.01	0.01
		NH ₃	0.07	0.29
		VOC	0.08	0.31
GBW074	East SBR	Cl ₂	<0.01	0.01
		NH ₃	0.07	0.29
		VOC	0.08	0.31
GBW075	SBR Effluent Surge Vessel	Cl ₂	<0.01	<0.01
		NH ₃	<0.01	<0.01
		VOC	<0.01	<0.01
GBW076	Aerobic Digester	Cl ₂	<0.01	<0.01
		NH ₃	<0.01	0.01
		VOC	<0.01	<0.01
GBW078	Organic Covered Separator	VOC	0.33	0.73
GBW079	Stripper Feed Vessel	VOC	0.02	0.05
GBW080A	TT Carbon Bed A	Cl ₂	<0.01	<0.01
		NH ₃	<0.01	<0.01
		VOC	<0.01	<0.01
GBW080B	TT Carbon Bed B	Cl ₂	<0.01	<0.01
		NH ₃	<0.01	<0.01
		VOC	<0.01	<0.01

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GBW080C	TT Carbon Bed C	Cl ₂	<0.01	<0.01
		NH ₃	<0.01	<0.01
		VOC	<0.01	<0.01
GBW080D	TT Carbon Bed D	Cl ₂	<0.01	<0.01
		NH ₃	<0.01	<0.01
		VOC	<0.01	<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	0.23	0.17
GWB087A	SWTS Sump A	VOC	0.01	0.01
GWB087B	SWTS Sump B	VOC	0.01	0.01
GWB087C	SWTS Sump C	VOC	0.01	0.01
GWB087D	SWTS Sump D	VOC	0.01	0.01
GWB087E	SWTS Sump E	VOC	0.01	0.01
GWB087F	SWTS Sump F	VOC	0.01	0.01
FGBW01	Wastewater Fugitive Emissions (5)	HCl	0.43	1.88
		VOC	0.08	0.37
MSS-GBW005	WTS pH Adjustment Vessel-MSS (7)	VOC	0.01	0.01
MSS-GBW006	WTS Dechlorinator-MSS (7)	VOC	0.01	0.01
MSS-GBW007	WTS Recycle Sludge Vessel-MSS (7)	VOC	0.01	0.01
MSS-GBW008	WTS Primary Clarifier-MSS (7)	VOC	0.01	0.01
MSS-GBW009	WTS Sludge Hold Vessel-MSS	VOC	0.01	0.01
MSS-GBW011	WTS Collection Vessel-MSS	VOC	0.01	0.01
MSS-GBW058	WTS Sump	VOC	0.01	0.01
MSS-GBW069	Clarifier Surge Vessel-MSS	VOC	0.01	0.01
MSS-GBW070	SBR West Batch Feed Vessel-MSS	VOC	0.34	0.01
MSS-GBW071	SBR Middle Batch Feed Vessel-MSS	VOC	0.34	0.01
MSS-GBW072	SBR East Batch Feed Vessel	VOC	0.34	0.01
MSS-GBW073	West SBR	VOC	2.02	0.02

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MSS-GBW074	East SBR	VOC	2.02	0.02
MSS-GBW080A	TT Carbon Bed A	VOC	0.01	0.01
(1) Emission point identification – either specific equipment designation or emission point number from plot plan.				
MSS-GBW080B	TT Carbon Bed B	VOC	0.01	0.01
(2) Specific point source carbon bed fugitive sources, VOC area name or fugitive source name.				
(3) Cl ₂ - chlorine				
MSS-GBW080C	TT Carbon Bed C	VOC	0.01	0.01
HCl - hydrogen chloride				
MSS-GBW080D	TT Carbon Bed D	VOC	0.01	0.01
NH ₃ - ammonia				
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1,				
MGBW01	Equipment including Packbeds, negligible photochemical reactivity listed in Attachment A30			
(4) Compliance with annual emission through (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) This source is only incorporated by reference, not incorporated by consolidation. It will continue to be authorized under unregistered Permit by Rule § 106.531, authorized on September 4, 2000.
- (7) These sources are only incorporated by reference, not incorporated by consolidation. They will continue to be authorized under Standard Exemption 61, authorized on June 18, 1992.

Date: April 22, 2019