EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 52107

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. **(10/08)**

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
81	Disinfection Tank	PM	0.01	0.01
		POM	0.01	0.01
		HCN	0.01	0.01
		NH_3	0.01	0.01
		H_2S	0.01	0.01
		VOC	0.01	0.01
201	Headworks	PM	0.01	0.01
		POM	0.01	0.01
		HCN	0.01	0.01
		NH_3	0.11	0.34
		H_2S	0.29	0.78
		VOC	1.19	1.43
110	First Step Aeration Tank	PM	0.02	0.03
		POM	0.04	0.06
		HCN	0.41	0.52
		NH_3	1.16	5.64
		H_2S	0.31	1.10
		VOC	95.68	116.92
111	Primary Clarifier	PM	0.01	0.01
		POM	0.01	0.01
		HCN	0.01	0.01
		NH_3	1.65	7.36
		H_2S	0.23	0.96
		VOC	4.46	7.26

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
319	Aeration Tank	PM	0.02	0.03
		POM	0.02	0.02
		HCN	1.19	1.49
		NH_3	2.75	11.27
		H_2S	0.01	0.03
		VOC	17.74	24.20
	Maintenance Scenario 6 (4)	PM	0.03	0.04
		POM	0.20	0.25
		HCN	1.19	3.16
		NH_3	2.75	11.27
		H_2S	0.07	0.09
		VOC	112.49	135.21
320	Aeration Tank	PM	0.02	0.03
		POM	0.02	0.02
		HCN	1.18	1.49
		NH_3	2.75	11.27
		H_2S	0.01	0.03
		VOC	17.68	24.13
	Maintenance Scenario 6	PM	0.03	0.03
		POM	0.20	0.25
		HCN	1.18	3.15
		NH_3	2.75	11.27
		H_2S	0.07	0.09
		VOC	112.32	134.99
421	Aeration Tank	PM	0.02	0.03
		POM	0.02	0.02
		HCN	0.56	1.49
		NH_3	2.76	11.28
		H_2S	0.01	0.03
		VOC	17.78	24.26
	Maintenance Scenario 6	PM	0.03	0.04
		POM	0.20	0.25

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
		HCN	1.19	3.17
		NH_3	2.76	11.28
		H_2S	0.07	0.09
		VOC	112.60	135.35
316	Secondary Clarifier	PM	0.01	0.01
		POM	0.01	0.01
		HCN	0.10	0.13
		NH_3	0.76	2.02
		H_2S	0.01	0.01
		VOC	0.89	1.39
	Maintenance Scenario 6	PM	0.01	0.01
		POM	0.01	0.02
		HCN	0.10	0.26
		NH_3	0.76	2.02
		H_2S	0.01	0.02
		VOC	2.62	3.70
317	Secondary Clarifier	PM	0.01	0.01
		POM	0.01	0.01
		HCN	0.10	0.17
		NH_3	0.76	2.02
		H_2S	0.01	0.01
		VOC	1.19	1.85
	Maintenance Scenario 6	PM	0.01	0.01
		POM	0.01	0.01
		HCN	0.10	0.26
		NH_3	0.76	2.02
		H_2S	0.01	0.02
		VOC	2.62	3.70
430	Secondary Clarifier	PM	0.01	0.01
		POM	0.01	0.01

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
		HCN	0.02	0.05
		NH_3	0.31	0.83
		H_2S	0.01	0.01
		VOC	0.30	0.49
	Maintenance Scenario 6	PM	0.01	0.01
		POM	0.01	0.01
		HCN	0.04	0.09
		NH_3	0.31	0.83
		H_2S	0.01	0.01
		VOC	0.79	1.18
440	Secondary Clarifier	PM	0.01	0.01
		POM	0.01	0.01
		HCN	0.02	0.05
		NH_3	0.31	0.83
		H_2S	0.01	0.01
		VOC	0.3	0.49
	Maintenance Scenario 6	PM	0.01	0.01
		POM	0.01	0.01
		HCN	0.04	0.09
		NH_3	0.31	0.83
		H_2S	0.01	0.01
		VOC	0.79	1.18
450	Secondary Clarifier	PM	0.01	0.01
		POM	0.01	0.01
		HCN	0.02	0.05
		NH_3	0.31	0.83
		H_2S	0.01	0.01
		VOC	0.30	0.49
	Maintenance Scenario 6	PM	0.01	0.01
		POM	0.01	0.01

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
		HCN	0.04	0.09
		NH_3	0.31	0.83
		H_2S	0.01	0.01
		VOC	0.79	1.18
460	Secondary Clarifier	PM	0.01	0.01
		POM	0.01	0.01
		HCN	0.02	0.04
		NH_3	0.31	0.83
		H_2S	0.01	0.01
		VOC	0.30	0.49
	Maintenance Scenario 6	PM	0.01	0.01
		POM	0.01	0.01
		HCN	0.04	0.09
		NH_3	0.31	0.83
		H_2S	0.01	0.01
		VOC	0.79	1.18
326	Stilling Well	PM	0.01	0.01
		POM	0.01	0.01
		HCN	0.01	0.01
		NH_3	0.01	0.02
		H_2S	0.01	0.01
		VOC	0.01	0.01
	Maintenance Scenario 6	PM	0.01	0.01
		POM	0.01	0.01
		HCN	0.01	0.01
		NH_3	0.01	0.02
		H_2S	0.01	0.01
		VOC	0.02	0.02
MH7	Effluent Wet Well	PM	0.01	0.01
		POM	0.01	0.01
		HCN	0.01	0.01
		NH_3	0.01	0.01

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
		H_2S	0.01	0.01
		VOC	0.01	0.01
MH7A	Effluent Wet Well	PM	0.01	0.01
		POM	0.02	0.02
		HCN	0.01	0.01
		NH_3	0.01	0.01
		H_2S	0.01	0.01
		VOC	0.01	0.01
MH7B	Effluent Wet Well	PM	0.01	0.01
		POM	0.01	0.01
		HCN	0.01	0.01
		NH_3	0.01	0.02
		H_2S	0.01	0.01
		VOC	0.01	0.01
700	Sludge Blend Tank	PM	0.01	0.01
		POM	0.02	0.02
		HCN	0.01	0.01
		NH_3	0.01	0.04
		H_2S	0.03	0.04
		VOC	0.24	0.31
BPB	Belt Press Building	PM	0.01	0.01
		POM	0.01	0.01
		HCN	0.01	0.01
		NH_3	0.09	0.29
		H_2S	0.03	0.01
		VOC	0.62	1.13
	Maintenance Scenario 6	PM	0.31	0.01
		POM	0.01	0.01
		HCN	0.01	0.01
		NH_3	0.09	0.29
		H_2S	0.01	0.01
		VOC	0.67	1.18

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
Total Manhole Emissions (MH1, MH2, MH4, , MH5, MH6, MH8, MH11, MH11A, MH16, MH19, MH21, MH2 LOAD)		PM	0.01	0.01
		POM	0.01	0.01
		HCN	0.01	0.01
		NH_3	0.01	0.01
		H_2S	0.01	0.01
		VOC	0.01	0.01
GT	Gasoline Tank	VOC	0.40	0.50
DT	Diesel Tank	VOC	0.01	0.01
761	Polymer Mix Tank	VOC	0.01	0.01
762	Polymer Feed Tank	VOC	0.01	0.01
518	Thickener	PM	0.01	0.01
		POM	0.01	0.01
		HCN	0.01	0.01
		NH_3	0.01	0.01
		H_2S	0.01	0.01
		VOC	0.01	0.01
	Maintenance Scenario 6	PM	0.01	0.01
		POM	0.01	0.01
		HCN	0.01	0.01
		NH_3	0.01	0.01
		H_2S	0.01	0.01
		VOC	0.01	0.02
760	TANK T-760 Ferric sulfate	VOC	0.01	0.01
91	TANK T-91 Ferric sulfate	VOC	0.01	0.01
92	TANK T-92 Ferric Sulfate	VOC	0.01	0.01
82	TANK T-82 Sulfuric Acid	VOC	0.01	0.01
84	TANK T-84 Sulfuric Acid	VOC	0.01	0.01

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
89	TANK T-89 Sulfuric Acid	VOC	0.01	0.01
80	TANK T-80 Caustic	VOC	0.01	0.01
83	TANK T-83 >22% (percent) Sulfuric Acid	VOC	0.01	0.01
85	TANK T-85 > 22% Sulfuric Acid	VOC	0.01	0.01
86	TANK T-86 >22% Sulfuric Acid	VOC	0.01	0.01
87	TANK T-87 >22% Sulfuric Acid	VOC	0.01	0.01
88	TANK T-88 Spent Caustic	VOC	0.01	0.01
220	TANK T-220 Aqueous Ammonia Salt	NH_3	0.01	0.01
270	TANK T-270 Phosphoric Acid	VOC	0.01	0.01
260	TANK T-260 Phosphoric Acid (installed spare)	VOC	0.01	0.01
841	TANK T-841 Non-Potable Water	VOC	0.01	0.01
150	TANK T-150 Phosphoric Acid	VOC	0.01	0.01
UOT	USED OIL TANK	VOC	0.01	0.01
UOS	USED OIL SINK	VOC	0.01	0.01
GBOD	GEAR BOX OIL DISPENSING	VOC	0.01	0.01
UGBO	USED GEAR BOX OIL	VOC	0.01	0.01
DEG	DEGREASER	VOC	0.12	0.15
CAB-BLAST	BLAST CABINET	PM	0.01	0.01

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
Grit-1	Grit Dewatering	PM	0.01	0.01
		VOC	0.01	0.01
Grit-2	Grit Pad	PM	0.01	0.01
		VOC	0.01	0.01
112	Primary Clarifier Scum Tank T-112	PM	0.01	0.01
		POM	0.01	0.01
		HCN	0.01	0.01
		NH_3	0.01	0.01
		H_2S	0.01	0.01
		VOC	0.06	0.07
113	Primary Clarifier Scum Tank T-113	PM	0.01	0.01
		POM	0.01	0.01
		HCN	0.01	0.01
		NH_3	0.01	0.01
		H_2S	0.01	0.01
		VOC	0.01	0.01
T-130	TANK T-130	VOC	0.01	0.01
		NH_3	0.01	0.01
T-131	Decant Tank	VOC	0.01	0.01
DPMP	Diesel Pump	NO_x	6.2	0.13
		CO	1.34	0.03
		SO_2	0.41	0.01
		PM_{10}	0.44	0.01
		VOC	0.10	0.01

(1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
(2) Specific point source names.

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**

(3) PM - particulate matter, suspended in the atmosphere, including PM_{10}.
PM_{10} - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no PM greater than 10 microns is emitted.
POM - particulate organic matter
HCN - hydrogen cyanide
NH_3 - ammonia
H_2S - hydrogen sulfide
VOC volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1

(4) Maintenance Scenario 6 - occurs when First Step Aeration Tank (Emission Point No. [EPN] 110) is under maintenance and wastewater flow is diverted to MH4 to bypass EPN 110 as represented in permit supporting documents dated January 19, 2005.

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

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

24 Hrs/day 7 Days/week 52 Weeks/year or 8,760 Hrs/year

Dated October 3, 2008