EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 9347 and PSDTX285M5

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**
Plant 1				
DR401D	PVC Dryer	PM	1.80	
		NVVOC	8.60	
		VCM	5.14	
DR401E	PVC Dryer	PM	1.80	
		NVVOC	8.60	
		VCM	5.14	
DR401F	PVC Dryer	PM	1.80	
		NVVOC	8.60	
		VCM	5.14	
DR401G	PVC Dryer	PM	1.80	
		NVVOC	8.60	
		VCM	5.14	
LV-5	VCM Incinerator	CO	0.1	
		HCl	0.2	
		Cl_2	0.02	
		NO_x	2.1	
		VCM	0.1	
		PM_{10}	0.2	
		SO_2	0.01	
TK116	VOC Tank	VOC	0.023	
TK117	VOC Tank	VOC	0.023	
TK124	VOC Tank	VOC	0.023	

TK115	VOC Tank	VOC	0.023
TK123	VOC Tank	VOC	0.023
TK502A, TK502B, TK502C, TK502D, TK503A, TK503C, TK503D, TK503E, TK551A, TK551E	Plant 1 Silos	PM VCM	3.58 2.80
TK503B	PVC Loading Silo	PM VCM	0.35 0.30
TK510	PVC Storage Silo	PM VCM	0.10 0.06
TK561A	PVC Storage Silo	PM VCM	0.19 0.60
TK561B	PVC Storage Silo	PM VCM	0.19 0.60
TK561C	PVC Storage Silo	PM VCM	0.19 0.60
UN752A	Boiler	CO NO_x PM_{10} SO_2 VOC	9.6 4.4 0.6 1.0 0.3
UN752B	Boiler	CO NO_x PM_{10} SO_2 VOC	9.6 4.4 0.6 1.0 0.3
UN752C	Boiler	CO NO_x PM_{10} SO_2 VOC	1.1 8.1 0.6 0.1 0.2
UN752D	Boiler	CO NO_x PM_{10} SO_2 VOC	1.1 0.9 0.5 0.1 0.2

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**
FUG200	200 Area Fugitives (4)	PM	1.82	
		VCM	0.47	
		NVVOC	0.11	
FUG300	300 Area Fugitives (4)	VCM	1.74	
PL1WWSTRIP	Wastewater Stripper	VCM	0.14	
PL1BIO	Biological Treatment	VCM	0.15	
TK1001A	PVC Storage Silo	PM	0.24	
		VCM	0.15	
TK1001B	PVC Storage Silo	PM	0.24	
		VCM	0.34	
Plant 2				
DR-2401A	PVC Dryer	PM	1.76	
		NVVOC	8.40	
		VCM	6.74	
DR-2401B	PVC Dryer	PM	1.76	
		NVVOC	8.40	
		VCM	6.74	
DR-2401C	PVC Dryer	PM	1.80	
		NVVOC	10.0	
		VCM	7.88	
TK551B, TK551C, TK551D, TK553A, TK553B, TK2503A, TK2503B, TK2503C, TK2503D, TK2503E,	Plant 2 Silos	PM	2.94	
		VCM	2.08	

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**
TK2503F, TK2503G, TK2503H, TK2503I				
TK2901A	VCM Storage Sphere (4)	VCM	0.10	
TK2901B	VCM Storage Sphere (4)	VCM	0.10	
TK2901C	VCM Storage Sphere (4)	VCM	0.10	
TK2901D	VCM Storage Sphere (4)	VCM	0.10	
UNLDGA	VCM Unloading (4)	VCM	0.07	
UNLDGB	VCM Unloading (4)	VCM	0.07	
UNLDGC	VCM Unloading (4)	VCM	0.05	
UNLDGD	VCM Unloading (4)	VCM	0.05	
UNLDGE	VCM Unloading (4)	VCM	0.07	
UNLDGF	VCM Unloading (4)	VCM	0.07	
UNLDGG	VCM Unloading (4)	VCM	0.07	
UNLDGH	VCM Unloading (4)	VCM	0.07	
UN2701A	Boiler	PM_{10}	0.63	
		VOC	0.35	
		NO_x	4.56	
		SO_2	1.09	
		CO	8.38	
UN2701B	Boiler	PM_{10}	0.63	
		VOC	0.35	
		NO_x	4.56	
		SO_2	1.09	

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**
		CO	8.38	
UN2701C	Boiler	PM_{10}	0.63	
		VOC	0.35	
		NO_x	4.56	
		SO_2	1.09	
		CO	8.38	
UN2703A	VCM Incinerator	PM_{10}	0.2	
		NO_x	2.1	
		SO_2	0.01	
		CO	0.16	
		VCM	0.6	
		HCl	0.2	
		Cl_2	0.02	
UN2703B	VCM Incinerator	PM_{10}	0.2	
		NO_x	2.1	
		SO_2	0.01	
		CO	0.16	
		VCM	0.6	
		HCl	0.2	
FUG2200	200 Area Fugitives (4)	Cl_2	0.02	
		PM	2.06	
		VCM	0.39	
		NVVOC	0.15	
FUG2300	300 Area Fugitives (4)	VCM	1.73	
PL2WWSTRIP	Wastewater Stripper	VCM	0.14	
PLBIO	Biological Treatment	VCM	0.15	
TK2131	VOC Storage Tank	VOC	0.1	
TK2115A	VOC Storage Tank	VOC	0.1	

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**
TK2115B	VOC Storage Tank	VOC	0.1	
TK2133	VOC Storage Tank	VOC	0.1	
Plant 3				
DR3401A	PVC Dryer	NVVOC	11.40	
		PM	2.05	
		VCM	6.85	
DR3401B	PVC Dryer	NVVOC	11.40	
		PM	2.05	
		VCM	6.85	
DR3401C	PVC Dryer	NVVOC	13.10	
		PM	2.40	
		VCM	7.88	
TK3503A, TK3503B, TK3503C, TK3503D, TK3503E, TK3503F, TK3503G, TK3503H, TK3503I	Plant 3 Silos	PM	1.44	
		VCM	0.90	
TK3901A	VCM Storage Sphere (4)	VCM	0.10	
TK3901B	VCM Storage Sphere (4)	VCM	0.10	
UN3701A	Boiler	CO	9.64	
		NO_x	1.10	
		PM_{10}	0.61	
		SO_2	1.04	
		VOC	0.32	

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**
UN3701B	Boiler	CO	9.64	
		NO_x	1.10	
		PM_{10}	0.61	
		SO_2	1.04	
		VOC	0.32	
UN3701C	Boiler	CO	9.64	
		NO_x	1.10	
		PM_{10}	0.61	
		SO_2	1.04	
		VOC	0.32	
UN3703A	Incinerator	Cl_2	0.021	
		CO	0.41	
		HCl	0.054	
		NO_x	1.03	
		VCM	0.056	
		SO_2	0.01	
		PM_{10}	0.2	
UN3703B	Incinerator	Cl_2	0.021	
		CO	0.41	
		HCl	0.054	
		NO_x	1.03	
		VCM	0.056	
		SO_2	0.01	
		PM_{10}	0.2	
TK3132	VOC Storage Tank	VOC	2.58	
TK3133	VOC Storage Tank	VOC	5.83	
TK3134	VOC Storage Tank	VOC	5.83	
FUG3200	Fugitive (4)	NVVOC	0.13	
		PM	0.54	
		VCM	0.83	

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**
FUG3300	Fugitive (4)	VCM	0.32	
PL3WWSTRIP	Wastewater	VCM	0.14	
PL3BIO	Lagoon	VCM	0.097	
FUG4900	VCM Fugitives (4)	VCM	0.16	
Small Organic Liquid Storage Vessels				
TK107	Tank TK107	VOC	0.26	
TK108	Tank TK108	VOC	0.26	
TK109	Tank TK109	VOC	0.56	
TK110	Tank TK110	VOC	0.01	
TK111	Tank TK111	VOC	0.01	
TK120	Tank TK120	VOC	0.05	
TK121	Tank TK121	VOC	0.02	
TK353	Tank TK353	VOC	0.14	
TK2119	Tank TK2119	VOC	0.66	
TK2120	Tank TK2120	VOC	0.66	
TK2121	Tank TK2121	VOC	0.26	
TK2122	Tank TK2122	VOC	0.26	
TK2125	Tank TK2125	VOC	0.63	

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**
TK2126	Tank TK2126	VOC	0.63	
TK2130	Tank TK2130	VOC	0.11	
TK3115	Tank TK3115	VOC	0.10	
TK3116	Tank TK3116	VOC	0.06	
TK3117	Tank TK3117	VOC	0.02	
TK3118	Tank TK3118	VOC	0.11	
TK3119	Tank TK3119	VOC	1.01	
TK3120	Tank TK3120	VOC	0.77	
TK3121	Tank TK3121	VOC	0.58	
TK3122	Tank TK3122	VOC	0.58	
TK3124	Tank TK3124	VOC	0.72	
TK3125	Tank TK3125	VOC	0.72	

Emission Caps

Total Site Emissions *(all EPNs)*	CO	257.8
	Cl_2	0.6
	HCl	2.2
	NO_x	151.6
	SO_2	40.9
	PM_{10}	21.2
	PM	139.2
	VCM	104.8
	VOC	151.0

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Sitewide Reactors, *Refer to Footnote (5) for EPNs*		VCM	7.99	

Maintenance, StartUp, and Shutdown Emissions

MSSSPHERE	VCM Storage Sphere MSS Includes TK2901 A-D TK3901 A-B and TK4901 A-F	VCM	21.81	0.26
MSSSOLV	Solvent Usage	VOC	1.32	1.37
MSSMISC	Turnarounds, Process Vessels, Fugitive component repair	VCM	12.40	0.22

(1) Emission point identification - either specific equipment designation or emission point number (EPA) from plot plan.
(2) Specific point source name. For fugitive sources use area name or fugitive source name.
(3) PM - particulate matter, suspended in the atmosphere, including PM_{10}
PM_{10} - particulate matter equal to or less than 10 microns in diameter
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code ' 101.1
NVVOC - non-vinyl chloride VOC
VCM - vinyl chloride
CO - carbon monoxide
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
HCl - hydrogen chloride
Cl_2 - chlorine
(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
(5) The following EPNs are included: PL251A, PL251B, PL251C, PL251D, PL251E, PL251F, PL2251A, PL2251B, PL2251C, PL2251D, PL2251E, PL2251F, PL3251A, PL3251B, PL3251C, PL3251D, PL3251E, and PL3251F.

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

Hrs/day 24 Days/week 7 Weeks/year 52

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

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Dated December 28, 2010