EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 9347 and PSD-TX-285M5

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	
PL251A	PVC Reactor	VCM	0.46	
PL251B	PVC Reactor	VCM	0.46	
PL251C	PVC Reactor	VCM	0.46	

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**
PL251D	PVC Reactor	VCM	0.46	
PL251E	PVC Reactor	VCM	0.46	
PL251F	PVC Reactor	VCM `	0.46	
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	PVC Storage Silo	PM VCM	0.44 0.30	
TK502B	PVC Storage Silo	PM VCM	0.44 0.30	
TK502C	PVC Storage Silo	PM VCM	0.44 0.30	
TK502D	PVC Storage Silo	PM VCM	0.44 0.30	
TK503A	PVC Loading Silo	PM VCM	0.35 0.30	
TK503B	PVC Loading Silo	PM VCM	0.35 0.30	
TK503C	PVC Loading Silo	PM	0.35	

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**
		VCM	0.30	
TK503D	PVC Loading Silo	PM	0.35	
		VCM	0.30	
TK503E	PVC Loading Silo	PM	0.35	
		VCM	0.30	
TK510	PVC Storage Silo	PM	0.10	
		VCM	0.04	
TK551A	PVC Storage Silo	PM	0.21	
		VCM	0.20	
TK551B	PVC Storage Silo	PM	0.21	
		VCM	0.20	
TK551C	PVC Storage Silo	PM	0.21	
		VCM	0.20	
TK551D	PVC Storage Silo	PM	0.21	
		VCM	0.20	
TK551E	PVC Storage Silo	PM	0.21	
		VCM	0.20	
TK553A	PVC Storage Silo	PM	0.21	
		VCM	0.20	
TK553B	PVC Storage Silo	PM	0.21	
		VCM	0.20	
TK561A	PVC Storage Silo	PM	0.19	
		VCM	0.60	
TK561B	PVC Storage Silo	PM	0.19	
		VCM	0.60	

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**
TK561C	PVC Storage Silo	PM	0.19	
		VCM	0.60	
UN752A	Boiler	CO	9.6	
		NO_x	4.4	
		PM_{10}	0.4	
		SO_2	1.0	
		VOC	0.3	
UN752B	Boiler	CO	9.6	
		NO_x	4.4	
		PM_{10}	0.4	
		SO_2	1.0	
		VOC	0.3	
UN752C	Boiler	CO	1.1	
		NO_x	8.1	
		PM_{10}	0.3	
		SO_2	0.1	
		VOC	0.2	
UN752D	Boiler	CO	1.1	
		NO_x	0.9	
		PM_{10}	0.3	
		SO_2	0.1	
		VOC	0.2	
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	

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**
PL1BIO	Biological Treatment	VCM	0.15	
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	
PL2251A	PVC Reactor	VCM	0.36	
PL2251B	PVC Reactor	VCM	0.36	
PL2251C	PVC Reactor	VCM	0.36	
PL2251D	PVC Reactor	VCM	0.36	
PL2251E	PVC Reactor	VCM	0.36	
PL2251F	PVC Reactor	VCM	0.36	
TK2503A	PVC Loading Silo	PM	0.21	
		VCM	0.12	
TK2503B	PVC Loading Silo	PM	0.21	
		VCM	0.12	
TK2503C	PVC Loading Silo	PM	0.21	

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**
		VCM	0.12	
TK2503D	PVC Loading Silo	PM	0.21	
		VCM	0.12	
TK2503E	PVC Loading Silo	PM	0.21	
		VCM	0.12	
TK2503F	PVC Loading Silo	PM	0.21	
		VCM	0.12	
TK2503G	PVC Loading Silo	PM	0.21	
		VCM	0.12	
TK2503H	PVC Loading Silo	PM	0.21	
		VCM	0.12	
TK2503I	PVC Loading Silo	PM	0.21	
		VCM	0.12	
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	

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**
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}	0.38	
		VOC	0.35	
		NO_x	4.56	
		SO_2	1.09	
		CO	8.38	
UN2701B	Boiler	PM_{10}	0.38	
		VOC	0.35	
		NO_x	4.56	
		SO_2	1.09	
		CO	8.38	
UN2701C	Boiler	PM_{10}	0.38	
		VOC	0.35	
		NO_x	4.56	
		SO_2	1.09	
		CO	8.38	

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**
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	
		Cl_2	0.02	
FUG2200	200 Area Fugitives (4)	PM	2.06	
		VCM	0.39	
		NVVOC	0.15	
FUG2300	300 Area Fugitives (4)	VCMVCM	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	
TK2115B	VOC Storage Tank	VOC	0.1	
TK2133	VOC Storage Tank	VOC	0.1	

Plant 3

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**
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	
PL3251A	PVC Reactor	VCM	0.50	
PL3251B	PVC Reactor	VCM	0.50	
PL3251C	PVC Reactor	VCM	0.50	
PL3251D	PVC Reactor	VCM	0.50	
PL3251E	PVC Reactor	VCM	0.50	
PL3251F	PVC Reactor	VCM	0.50	
TK3503A	PVC Loading Silo	PM	0.16	
		VCM	0.10	
TK3503B	PVC Loading Silo	PM	0.16	
		VCM	0.10	
TK3503C	PVC Loading Silo	PM	0.16	
		VCM	0.10	
TK3503D	PVC Loading Silo	PM	0.16	
		VCM	0.10	

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**
TK3503E	PVC Loading Silo	PM	0.16	
		VCM	0.10	
TK3503F	PVC Loading Silo	PM	0.16	
		VCM	0.10	
TK3503G	PVC Loading Silo	PM	0.16	
		VCM	0.10	
TK3503H	PVC Loading Silo	PM	0.16	
		VCM	0.10	
TK3503I	PVC Loading Silo	PM	0.16	
		VCM	0.10	
TK3901A	VCM Storage Sphere	VCM	0.10	
TK3901B	VCM Storage Sphere	VCM	0.10	
UN3701A	Boiler	CO	9.64	
		NO_x	4.38	
		PM_{10}	0.37	
		SO_2	1.04	
		VOC	0.32	
UN3701B	Boiler	CO	9.64	
		NO_x (5)	4.38	
		NO_x	1.10	
		PM_{10}	0.37	
		SO_2	1.04	
		VOC	0.32	
UN3701C	Boiler	CO	9.64	
		NO_x (5)	4.38	

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**
		NO_x	1.10	
		PM_{10}	0.37	
		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	
FUG3300	Fugitive (4)	VCM	0.32	
PL3WWSTRIP	Wastewater	VCM	0.14	

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**
PL3BIO	Lagoon	VCM	0.097	
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	137.1	
		VCM	104.1	
		VOC	151.0	

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.
(2) Specific point source name. For fugitive sources use area name or fugitive source name.
(3) CO - carbon monoxide
HCl - hydrogen chloride
NO_x - total oxides of nitrogen
NVVOC - non-vinyl chloride volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1 (30 TAC § 101.1)
PM - particulate matter, suspended in the atmosphere, not including PM_{10}
PM_{10} - particulate matter (PM) equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.
SO_2 - sulfur dioxide
VCM - vinyl chloride
VOC - volatile organic compounds as defined in 30 TAC § 101.1
Cl_2 - chlorine
(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
(5) NO_x limit prior to burner upgrade required by Special Condition No. 23.

* 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.

Dated February 10, 2004