

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 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

<u>Emission Rates *</u>	Source	Air Contaminant		<u>Emission</u>
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>		<u>lb/hr</u>
<u>TPY</u>				
DR401D	Polyvinyl Chloride Dryer	TSP	1.79	7.83
		NVOC	15.41	39.15
		VCM (5)	4.62	9.45
DR401E	Polyvinyl Chloride Dryer	TSP	1.79	7.83
		NVOC	15.41	39.15
		VCM (5)	4.62	9.45
DR401F	Polyvinyl Chloride Dryer	TSP (5)	1.79	7.83
		NVOC	15.41	39.15
		VCM (5)	4.62	9.45
DR401G	Polyvinyl Chloride Dryer	TSP	1.80	7.91
		NVOC	17.70	44.95
		VCM	5.30	10.85
PL251A	Polyvinyl Reactor Vent	VCM (5)	0.43	1.87
PL251B	Polyvinyl Reactor Vent	VCM (5)	0.43	1.87
PL251C	Polyvinyl Reactor Vent	VCM (5)	0.43	1.87
PL251D	Polyvinyl Reactor Vent	VCM (5)	0.43	1.87
PL251E	Polyvinyl Reactor Vent	VCM (5)	0.43	1.87
PL251F	Polyvinyl Reactor Vent	VCM (5)	0.43	1.87

TK502A	Polyvinyl Silo	TSP	0.43	1.85
		VCM	0.32	1.40

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Point No. (1)	Name (2)	Name (3)		lb/hr
<u>TPY</u>				
TK502B	Polyvinyl Silo	TSP	0.43	1.85
		VCM	0.32	1.40
TK502C	Polyvinyl Silo	TSP	0.43	1.85
		VCM	0.32	1.40
TK502D	Polyvinyl Silo	TSP	0.43	1.85
		VCM	0.32	1.40
TK503A	Polyvinyl Loading Silo	TSP	0.34	1.48
		VCM	0.26	1.12
TK503B	Polyvinyl Loading Silo	TSP	0.34	1.48
		VCM	0.26	1.12
TK503C	Polyvinyl Loading Silo	TSP	0.34	1.48
		VCM	0.26	1.12
TK503D	Polyvinyl Loading Silo	TSP	0.34	1.48
		VCM	0.26	1.12
TK503E	Polyvinyl Loading Silo	TSP	0.34	1.48
		VCM	0.26	1.12
TK551A	Polyvinyl Storage Silo	TSP (5)	0.13	0.50
		VCM (5)	0.25	0.37
TK551B	Polyvinyl Storage Silo	TSP (5)	0.13	0.50
		VCM (5)	0.25	0.37
TK551C	Polyvinyl Storage Silo	TSP (5)	0.13	0.50
		VCM (5)	0.25	0.37
TK551D	Polyvinyl Storage Silo	TSP (5)	0.13	0.50

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Point No. (1)	Name (2)	Name (3)		lb/hr
<u>TPY</u>				
TK551E	Polyvinyl Storage Silo	VCM (5)	0.25	0.37
		TSP	0.13	0.50
		VCM	0.25	0.37
TK553A	Polyvinyl Storage Silo	TSP (5)	0.13	0.50
		VCM (5)	0.25	0.37
TK553B	Polyvinyl Storage Silo	TSP	0.13	0.50
		VCM	0.25	0.37
TK510	Polyvinyl Silo	TSP	<0.1	0.2
		VCM (5)	<0.1	0.1
UN752A	Boiler	PM ₁₀ /TSP	0.4	1.6
		VOC	0.3	1.4
		NO _x	4.4	19.2
		SO ₂	1.0	4.6
		CO	9.6	42.2
UN752B	Boiler	PM ₁₀ /TSP	0.4	1.6
		VOC	0.3	1.4
		NO _x	4.4	19.2
		SO ₂	1.0	4.6
		CO	9.6	42.2
UN752C	Boiler	PM ₁₀ /TSP	0.3	1.5
		VOC	0.2	0.9
		NO _x	8.1	35.4
		SO ₂	<0.1	0.2
		CO	1.1	5.0
UN752D	Boiler	PM ₁₀ /TSP	1.7	7.6
		VOC	0.1	0.5
		NO _x	7.5	32.9

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Point No. (1)	Name (2)	Name (3)		lb/hr
<u>TPY</u>				
LV-1	Incinerator	SO ₂	<0.1	0.1
		CO	0.6	0.3
		VCM	0.6	0.3
		NO _x	2.1	9.4
		CO	<0.1	0.2
		VCM (5)	0.1	0.6
		HCl	0.2	0.4
LV-5	Incinerator	NO _x	2.1	9.4
		CO	0.1	0.5
		VCM (5)	0.6	2.6
		HCl	0.2	0.9
TK116	Methanol Tank	VOC	0.023	0.10
TK117	Methanol Tank	VOC	0.023	0.10
TK127	OMS Tank	VOC	0.023	<0.1
TK115	Toluene Tank	VOC	0.023	<0.1
TK123	Toluene Tank	VOC	0.023	<0.1
FUG200	Fugitive (4)	TSP	1.82	8.0
		VCM (5)	0.75	3.3
		NVVO	0.63	2.8
FUG300	Fugitive (4)	VCM (5)	1.44	6.30
PL1WWSTRIP	Fugitive (4)	VCM	0.14	0.59
PL1BIO	Fugitives (Lagoon) (4)	VCM (5)	0.083	0.365
TK561A	PVC Storage Silo Cyclone	TSP	0.17	0.75
		VCM	0.12	0.53

TK561B	PVC Storage Silo Cyclone	TSP	0.17	0.75
		VCM	0.12	0.53

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- (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) TSP - total suspended particulate
NVOC - non-vinyl chloride volatile organic compounds as defined in General Rule 101.1
VOC - volatile organic compounds as defined in General Rule 101.1
VCM - vinyl chloride
PM₁₀ - particulate matter less than 10 microns
NO_x - total oxides of nitrogen
SO₂ - sulfur dioxide
CO - carbon monoxide
HCl - hydrogen chloride
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) These emissions are under PSD-TX-285M5.

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

Hrs/day ___ Days/week ___ Weeks/year ___ or Hrs/year 8,760

Dated _____