EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 5264

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**
Bay 1 Allowable Emissions				
A425	DHR Dust Collector	PM_{10}	0.13	0.56
B1EXT1	Extruder Feed Dust Collector	PM_{10}	0.09	0.37
		VOC	0.01	0.03
BN-1008	Bay 1 Surge Hopper Super Sack Filter	PM_{10}	<0.01	0.01
DIESELTK	Diesel Tank	VOC	0.02	<0.01
DR1006	Bay 1 Pellet Dryer	PM_{10}	0.64	2.81
		VOC	1.02	4.46
E352.1RVEN	Pellet Bin Filter	PM_{10}	0.49	2.13
E352.2RVEN	Pellet Bin Filter	PM_{10}	0.49	2.13
E352.3RVEN	Pellet Bin Filter	PM_{10}	0.49	2.13
E354.1VEN	Loadout Bin Filter	PM_{10}	0.49	2.13
E354.2VEN	Loadout Bin Filter	PM_{10}	0.49	2.13
E378VEN	Blend Silo Filter	PM_{10}	0.26	1.13
F213VEN	Aluminum Alkyl (Hexane) Tanks	VOC	1.77	0.04

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates* lb/hr	Emission Rates* TPY**
F277VEN	Titanium Chloride (HCl) Tank	HCl	0.06	<0.01
FL1037	Additive Dump Hopper Dust Collector	PM_{10}	0.16	0.69
FL1038A	Additive Agitator/Feeder Purge Sock Filter	PM_{10}	<0.01	0.01
FL1038B	Additive Agitator/Feeder Purge Sock Filter	PM_{10}	<0.01	<0.01
FL1038C	Additive Agitator/Feeder Purge Sock Filter	PM_{10}	<0.01	<0.01
FL1039	Additive Agitator/Feeder Purge Sock Filter	PM_{10}	<0.01	<0.01
GASTK	Gasoline Tank	VOC	3.28	0.51
GQ352VEN	Bay 1 Flare	VOC	7.06	23.19
		NO_x 0.97	3.61	
		CO 8.32	30.96	
GT335	Bay 1 Cooling Tower	VOC	0.55	2.40
		PM_{10} 0.42	1.82	
CATOX	Catalytic Oxidizer	VOC	1.35	5.57
		PM_{10} 0.33	1.43	
		NO_x 4.30	18.82	
		CO 3.61	15.81	
		SO_2	0.03	0.11
BAY1FUG	Bay 1 Equipment Fugitives	VOC	2.98	12.80
B1DEGAS	Bay 1 Pellet Degas Emissions	VOC	12.61	13.50

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates* lb/hr	TPY**
BAY1PMFG	Bay 1 Uncaptured Particulate Matter Fugitives	PM_{10}	0.26	1.13
A417SUMP	DHR Sump	VOC	<0.01	<0.01
A670SUMP	A670 Sump	VOC	<0.01	<0.01
BISWSUMP	Bay 1 Process Stormwater Sump	VOC	0.10	0.45
A653SUMP	A650 and A653 Sumps	VOC	<0.01	<0.01
Bay 2 Allowable Emissions				
B2DEGAS	Bay 2 Pellet Degas Emissions	VOC 15.61	13.17 7.58	5.29
200	Bay 2 Pellet Dryer	VOC PM_{10} 0.64	0.68 2.81	2.97
201	Flash Chamber Screen Maintenance	VOC	2.68	0.27 0.38
202	Pellet Blender Outlet Filter	PM_{10}	0.32	1.41
203	Pellet Blender Outlet Filter	PM_{10}	0.32	1.41
204	Pellet Blender Outlet Filter	PM_{10}	0.32	1.41
205	Pellet Blender Outlet Filter	PM_{10}	0.32	1.41
206	Pellet Blender Outlet Filter	PM_{10}	0.32	1.41
207	Pellet Blender Outlet Filter	PM_{10}	0.32	1.41
208	Extruder Feed Dust Collector	PM_{10} VOC	0.09 0.25	0.39 1.12

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates* lb/hr	Emission Rates* TPY**
208A	Extruder Feed Super Sack Filter Sock	PM_{10}	0.09	0.39
		VOC	0.25	1.12
209	Bay 2 Flare	VOC	10.05	47.32
		NO_x 2.26	10.69	
		CO 19.42	91.65	
210	Boiler 1	VOC	0.77	2.13
		PM_{10} 0.40	1.23	
		NO_x 2.65	8.11	
		CO 4.39	13.64	
		SO_2	0.03	0.10
211	Boiler 2	VOC	0.77	2.20
		PM_{10} 0.40	1.33	
		NO_x 2.93	9.65	
		CO 4.39	14.75	
		SO_2 0.03	0.11	
212	Bay 2 Cooling Tower	VOC	0.44	1.92
		PM_{10} 0.33	1.46	
BAY2FUG	Bay 2 Equipment Fugitives (4)	VOC	2.86	12.52
215	Catalyst HEPA Filter	PM_{10}	0.02	0.10
		VOC 1.73	5.44	

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**
216	Catalyst Activator Furnace	VOC	0.04	0.05
		PM_{10} 0.05	0.07	
		NO_x 0.39	0.51	
		CO 0.54	0.78	
		SO_2 <0.01	<0.01	
217	Liquid Additive Tank	VOC	0.06	<0.01
217A	Liquid Additive Metering Tank	VOC	0.06	<0.01
218	Solid Additives Dump Hopper Dust Collector	PM_{10}	0.16	0.69
219	Fire Water Pump Diesel Tank A	VOC	0.02	<0.01
220	Fire Water Pump Diesel Tank B	VOC	0.02	<0.01
222	Waste Catalyst HEPA Filter	PM_{10}	0.02	0.11
223	Quench Tower	PM_{10}	0.01	0.01
224	Bay 2 Extruder Breather Vent	VOC	0.04	0.16
225	Bay 2 Pellet Surge Hopper Super Sack Filter	PM_{10}	<0.01	<0.01
BAY2PMFG	Bay 2 Uncaptured Particulate Matter Fugitives (4) (5)	PM_{10}	0.42	1.61
B2SWSUMP	Bay 2 Process Stormwater Sump	VOC	0.10	0.64

Common Facilities Allowable Emissions

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**
BIOSWRBX	Biosan Weir Box and Flare Sump	VOC	<0.01	0.02
SWTANK	Stormwater Tank	VOC	<0.01	<0.01
VEH008	Diesel Air Compressor	VOC	0.06	0.01
		PM_{10}	0.04	0.01
		NO_x	1.68	0.30
		CO	0.33	0.06
		SO_2	0.21	0.04
VEH009	Sandblaster Air Compressor	VOC	0.06	<0.01
		PM_{10}	0.04	<0.01
		NO_x	1.68	0.07
		CO	0.33	0.01
		SO_2	0.21	0.01
PP-8008A	North Firewater Pump	VOC	0.23	0.01
		PM_{10}	0.16	0.01
		NO_x	6.92	0.35
		CO	1.34	0.07
		SO_2	0.84	0.04
PP-8008B	South Firewater Pump	VOC	0.23	0.01
		PM_{10}	0.16	0.01
		NO_x	6.92	0.35
		CO	1.34	0.07
		SO_2	0.84	0.04
SPRYDGSR	Spray Degreasing	VOC	2.59	2.43
TK-010	Spent Lube Oil Tank	VOC	<0.01	<0.01

Routine Maintenance Emissions

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates* lb/hr	Emission Rates* TPY**
209	Treater Regeneration	VOC	48.70	1.19
		NO_x	4.76	0.10
		CO	40.85	0.83
GQ352VEN	Bay 1 Routine Maintenance	VOC	89.99	0.77
CATOX	Bay 1 Routine Maintenance	VOC	13.57	0.01
209	Bay 2 Routine Maintenance	VOC	169.30	0.66

(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) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
PM_{10} - particulate matter (PM) equal to or less than 10 microns in diameter.
NO_x - total oxides of nitrogen
SO_2 - 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) Chromium emissions shall not exceed 5 weight percent of the PM_{10}.

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

_____ Hrs/day ____ Days/week ____ Weeks/year or 8,760 Hrs/year

** Annual emissions are based on a rolling 12-month average.

Dated May 17, 2004