EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

20384/PSD-TX-808

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* #/hr	TPY
46	Boiler (5) (252 MMBtu/hr heat input)	CO		9.72	42.57
		NOx	133.63	585.32
		PM10		1.21	5.32
		SO2		0.15	0.64
		VOC		2.48	10.85
47	Boiler (5) (252 MMBtu/hr heat input)	CO		9.72	42.57
		NOx	133.63	585.32
		PM10		1.21	5.32
		SO2		0.15	0.64
		VOC		2.48	10.85
48	Boiler (5) (252 MMBtu/hr heat input)	CO		9.72	42.57
		NOx	133.63	585.32
		PM10		1.21	5.32
		SO2		0.15	0.64
		VOC		2.48	10.85
49	Boiler (5) (252 MMBtu/hr heat input)	CO		9.72	42.57
		NOx	133.63	585.32
		PM10		1.21	5.32
		SO2		0.15	0.64
		VOC		2.48	10.85
216	VI-2 Flare	CO	82.78	49.56
		NOx		42.31	5.77
		SO2		1.02	0.33
		VOC		295.17	11.70
250	Flash Tank	VOC		1.15	0.07
251	Liquid Additive Tank	VOC	<0.01	0.02
252	Powder Additive Tank	PM10		0.05	0.03

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates* lbs/hr		TPY	
253	Pellet Dryer	PM10	<0.01		<0.01	
		VOC	0.51		2.23	
254	Blend Tanks	PM10	0.05		0.20	
255	Off-Spec Tank	PM10	0.05		0.10	
257	Pellet Silos	PM10	0.05		0.21	
258	Pellet Blender	PM10	0.05		0.10	
259	Process Fugitives (4)	VOC	3.78		16.56	
260	Cooling Tower (4) (6)	VOC	0.88		3.85	
300	Flash Tank	VOC	1.17		0.07	
301	Liquid Additive Tank	VOC	<0.01		0.02	
302	Powder Additive Tank	PM10	0.05		0.03	
303	Pellet Dryer	PM10	<0.01		<0.01	
		VOC	0.51		2.23	
304	Pellet Blend Tank	PM10	0.21		0.34	
305	Pellet Loading	PM10	0.02		0.10	
306	Process Fugitives (4)	VOC	12.06		52.84	
307	Cooling Tower (4)	VOC	1.34		5.89	
308	VII Flare	CO	166.60	114	4.85	
		NOx	85.15		13.36	
		SO2	2.04		0.66	
		VOC	594.14		40.47	
311	Fluff Loading	PM10	0.04		0.10	
312	Pellet Loading	PM10	<0.01		<0.01	

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates* lbs/hr		TPY
350	Flash Tank	VOC		1.17	0.07
351	Liquid Additive Tank	VOC	<	0.01	0.02
352	Powder Additive Tank	PM10		0.05	0.03
353	Pellet Dryer	PM10		<0.01	<0.01
		VOC		0.51	2.23
354	Pellet Blend Tanks	PM10		0.21	0.34
400	Flash Tank	VOC		1.43	0.09
401	Liquid Additive Tank	VOC	<	0.01	0.02
402	Powder Additive Tank	PM10		0.05	0.03
403	Pellet Dryer	PM10		<0.01	<0.01
		VOC		0.51	2.23
404	Blend Tank	PM10		0.04	0.11
405	Pellet Loading	PM10		<0.01	0.02
406	Process Fugitives (4)	VOC		15.73	68.91
407	Cooling Tower (4)	VOC		1.35	5.89
408	VIII Flare	CO	176.2	125.6	
		NOx		90.1	14.62
		SO2		2.04	0.66
		VOC		649.32	72.8
412	Pellet Loading	PM10		<0.01	<0.01
450	Flash Tank	VOC		1.43	0.09
451	Liquid Additive Tank	VOC	<	0.01	0.02
452	Powder Additive Tank	PM10		0.05	0.03

453	Pellet Dryer	PM10	<0.01	<0.01
		VOC	0.51	2.23
454	Pellet Blend Tanks	PM10	0.04	0.11

(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
NOx - total oxides of nitrogen
PM10 - particulate matter less than 10 microns
SO2 - sulfur dioxide
VOC - volatile organic compounds as defined in General Rule 101.1

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
(5) Boilers (EPN 46, 47, 48 and 49) controlling diluent separation area VOC vent gas streams from the HDPE Plants and other on-site waste gas streams.
(6) This cooling tower also serves Train VI-1 in Permit No. 19153. These are total emissions from Trains VI-I and VI-2.

* 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