

## 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		Emission Rates *	
		Name (3)	lb/hr	TPY	
46	Boiler (5) (235 MMBtu/hr heat input)	CO		9.40	41.17
		NOx	129.25	566.12	
		PM10		1.18	5.15
		SO2		0.15	0.64
		VOC		2.49	10.92
47	Boiler (5) (235 MMBtu/hr heat input)	CO		9.40	41.17
		NOx	129.25	566.12	
		PM10		1.18	5.15
		SO2		0.15	0.64
		VOC		2.49	10.92
48	Boiler (5) (235 MMBtu/hr heat input)	CO		9.40	41.17
		NOx	129.25	566.12	
		PM10		1.18	5.15
		SO2		0.15	0.64
		VOC		2.49	10.92
49	Boiler (5) (235 MMBtu/hr heat input)	CO		9.40	41.17
		NOx	129.25	566.12	
		PM10		1.18	5.15
		SO2		0.15	0.64
		VOC		2.49	10.92
201	Flash Tank	VOC		1.15	0.07
206	Powder Additive Tank	PM10		0.05	0.03
207	Pellet Dryer	VOC		0.51	2.23
208	Pellet Blend Tanks	PM10		0.05	0.20
		VOC		1.78	7.80

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates*</u>	
			lbs/hr	TPY
209	Off-Spec Tank	PM10	0.05	0.10
		VOC	0.59	2.60
210	Pellet Silos	PM10	0.05	0.21
		VOC	7.12	31.20
212	Pellet Blender	PM10	0.05	0.10
		VOC	0.59	2.60
213	Supply Silos	PM10	0.07	0.18
		VOC	2.37	10.40
214	Loading Bin	PM10	0.05	0.10
217	Extruder Feed Tank/ Continuous Blender	PM10	0.09	0.39
		VOC	0.29	1.27
218	Fluff Loadout	PM10	0.04	0.10
219	Pellet Loadout	PM10	0.02	0.10
		VOC	1.19	5.20
250	Flash Tank	VOC	1.15	0.07
252	Powder Additive Tank	PM10	0.05	0.03
253	Pellet Dryer	VOC	0.51	2.23
254	Pellet Blend Tanks	PM10	0.05	0.20
		VOC	1.78	7.80
255	Off-Spec Tank	PM10	0.05	0.10
		VOC	0.59	2.60
257	Pellet Silos	PM10	0.05	0.21
		VOC	7.12	31.20
258	Pellet Blender	PM10	0.05	0.10
		VOC	0.59	2.60
259	Piping Fugitives (4)	VOC	11.64	51.00

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates*	
			lbs/hr	TPY
260	Cooling Tower (4)	VOC	0.90	3.94
261	Extruder Feed Tank/ Continuous Blender	PM10	0.09	0.39
		VOC	0.29	1.27
300	Flash Tank	VOC	1.15	0.07
302	Powder Additive Tank	PM10	0.05	0.03
303	Pellet Dryer	VOC	0.51	2.23
304	Pellet Blend Tanks	PM10	0.21	0.34
		VOC	4.75	20.80
305	Pellet Loadout	PM10	0.02	0.10
		VOC	1.19	5.20
306	Piping Fugitives (4)	VOC	16.44	72.00
307	Cooling Tower (4)	VOC	0.90	3.94
308	VI & VII Flare (6)	CO	657.89	188.55
		NOx		76.73
		SO2		2.04
		VOC	1,156.77	109.80
311	Fluff Loadout	PM10	0.04	0.10
312	Pellet Loading	PM10	<0.01	<0.01
313	Extruder Feed Tank/ Continuous Blender	PM10	0.09	0.39
		VOC	0.29	1.27
350	Flash Tank	VOC	1.15	0.07
352	Powder Additive Tank	PM10	0.05	0.03
353	Pellet Dryer	VOC	0.51	2.23
354	Pellet Blend Tanks	PM10	0.21	0.34
		VOC	4.75	20.80

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates*</u>	
			lbs/hr	TPY
355	Extruder Feed Tank/ Continuous Blender	PM10	0.09	0.39
		VOC	0.29	1.27
400	Flash Tank	VOC	1.15	0.07
402	Powder Additive Tank	PM10	0.05	0.03
403	Pellet Dryer	VOC	0.51	2.23
404	Pellet Blend Tanks	PM10	0.04	0.10
		VOC	4.16	18.20
405	Pellet Loadout	PM10	<0.01	0.02
		VOC	1.78	7.80
406	Piping Fugitives (4)	VOC	20.32	89.00
407	Cooling Tower (4)	VOC	0.90	3.94

408	VIII Flare	CO	327.59	102.49	
		NOx		38.21	11.95
		SO2		2.04	0.66
		VOC		575.71	44.82
411	Fluff Loadout	PM10		0.04	0.10
412	Pellet Loading	PM10		<0.01	<0.01
413	Extruder Feed Tank/ Continuous Blender	PM10		0.09	0.39
		VOC		0.29	1.27
450	Flash Tank	VOC		1.15	0.07
452	Powder Additive Tank	PM10		0.05	0.03
453	Pellet Dryer	VOC		0.51	2.23
454	Pellet Blend Tanks	PM10		0.04	0.10
		VOC		4.16	18.20
455	Extruder Feed Tank/ Continuous Blender	PM10		0.09	0.39
		VOC		0.29	1.27

- (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
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) The Boilers (EPNs 46, 47, 48, and 49) shall be retired not later than March 31, 1997.
- (6) Plant VI waste gases may be disposed of at the EPN 216 Flare until rerouting of these waste gases to the EPN 308 Flare is accomplished.

\* Emission rates are based on and the facilities are limited by the following maximum operating schedule: Hrs/year 8,760

Dated\_\_\_\_\_