

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 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 *		
			lb/hr	TPY	
46	Boiler (5) (235 MMBtu/hr heat input)	CO	9.40		41.17
		NO _x	129.25	566.12	
		PM ₁₀	1.18		5.15
		SO ₂	0.15		0.64
		VOC	3.43		15.03
47	Boiler (5) (235 MMBtu/hr heat input)	CO	9.40		41.17
		NO _x	129.25	566.12	
		PM ₁₀	1.18		5.15
		SO ₂	0.15		0.64
		VOC	3.43		15.03
48	Boiler (5) (235 MMBtu/hr heat input)	CO	9.40		41.17
		NO _x	129.25	566.12	
		PM ₁₀	1.18		5.15
		SO ₂	0.15		0.64
		VOC	3.43		15.03
49	Boiler (5) (235 MMBtu/hr heat input)	CO	9.40		41.17
		NO _x	129.25	566.12	
		PM ₁₀	1.18		5.15
		SO ₂	0.15		0.64
		VOC	3.43		15.03
201	Flash Tank	VOC	1.15		0.07
206	Powder Additive Tank	PM ₁₀	0.05		0.03
207	Pellet Dryer	VOC	0.51		2.23
208	Pellet Blend Tanks	PM ₁₀	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	PM ₁₀	0.05	0.10
		VOC	0.59	2.60
210	Pellet Silos	PM ₁₀	0.05	0.21
		VOC	7.12	31.20
212	Pellet Blender	PM ₁₀	0.05	0.10
		VOC	0.59	2.60

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates*	
			lbs/hr	TPY
213	Supply Silos	PM ₁₀	0.07	0.18
		VOC	2.37	10.40
214	Loading Bin	PM ₁₀	0.05	0.10
217	Extruder Feed Tank/ Continuous Blender	PM ₁₀	0.09	0.39
		VOC	0.29	1.27
218	Fluff Loadout	PM ₁₀	0.04	0.10
219	Pellet Loadout	PM ₁₀	0.02	0.10
		VOC	1.19	5.20
250	Flash Tank	VOC	1.15	0.07
252	Powder Additive Tank	PM ₁₀	0.05	0.03
253	Pellet Dryer	VOC	0.51	2.23
254	Pellet Blend Tanks	PM ₁₀	0.05	0.20
		VOC	1.78	7.80
255	Off-Spec Tank	PM ₁₀	0.05	0.10
		VOC	0.59	2.60
257	Pellet Silos	PM ₁₀	0.05	0.21
		VOC	7.12	31.20
258	Pellet Blender	PM ₁₀	0.05	0.10
		VOC	0.59	2.60
259	Piping Fugitives (4)	VOC	11.64	51.00
260	Cooling Tower (4)	VOC	0.90	3.94
261	Extruder Feed Tank/ Continuous Blender	PM ₁₀	0.09	0.39
		VOC	0.29	1.27
300	Flash Tank	VOC	1.15	0.07
302	Powder Additive Tank	PM ₁₀	0.05	0.03

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates*</u>			
			lbs/hr	TPY		
303	Pellet Dryer			VOC	0.51	2.23
304	Pellet Blend Tanks			PM ₁₀	0.21	0.34
				VOC	4.75	20.80

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates*	
			lbs/hr	TPY
305	Pellet Loadout	PM ₁₀	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 and VII Flare (6)	CO	657.89	188.55
		NO _x		76.73
		SO ₂		2.04
		VOC	1,156.77	109.80
311	Fluff Loadout	PM ₁₀	0.04	0.10
312	Pellet Loading	PM ₁₀	<0.01	<0.01
313	Extruder Feed Tank/ Continuous Blender	PM ₁₀	0.09	0.39
		VOC	0.29	1.27
350	Flash Tank	VOC	1.15	0.07
352	Powder Additive Tank	PM ₁₀	0.05	0.03
353	Pellet Dryer	VOC	0.51	2.23
354	Pellet Blend Tanks	PM ₁₀	0.21	0.34
		VOC	4.75	20.80
355	Extruder Feed Tank/ Continuous Blender	PM ₁₀	0.09	0.39
		VOC	0.29	1.27
400	Flash Tank	VOC	1.15	0.07
402	Powder Additive Tank	PM ₁₀	0.05	0.03
403	Pellet Dryer	VOC	0.51	2.23
404	Pellet Blend Tanks	PM ₁₀	0.04	0.10
		VOC	4.16	18.20
405	Pellet Loadout	PM ₁₀	<0.01	0.02
		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
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	
		NO _x		38.21	11.95
		SO ₂		2.04	0.66
		VOC		575.71	44.82
411	Fluff Loadout	PM ₁₀		0.04	0.10
412	Pellet Loading	PM ₁₀		<0.01	<0.01
413	Extruder Feed Tank/ Continuous Blender	PM ₁₀		0.09	0.39
		VOC		0.29	1.27
450	Flash Tank	VOC		1.15	0.07
452	Powder Additive Tank	PM ₁₀		0.05	0.03
453	Pellet Dryer	VOC		0.51	2.23
454	Pellet Blend Tanks	PM ₁₀		0.04	0.10
		VOC		4.16	18.20
455	Extruder Feed Tank/ Continuous Blender	PM ₁₀		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
NO_x - 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. The emission rates represent the VOC emissions from any one or combination of the four boilers (Emission Point Numbers [EPNs] 46, 47, 48, and 49).
- (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_____