

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 18836

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)	<u>Emission Rates *</u>	
			lb/hr	TPY
HST-101	Vent	VOC	61.0	0.68
HV-124	Vent	VOC	11.49	3.90
HV-125	Vent	VOC	11.39	1.04
HT-171	Tank	VOC	0.18	0.11
HV-305	Tank	VOC	0.2	0.01
HF-405	Filter	TSP/PM <sub>10</sub>	0.20	0.05
HX-411	Extruder	VOC	7.8	1.12
		TSP/PM <sub>10</sub>	1.9	1.9
HF-415	Baghouse	TSP/PM <sub>10</sub>	0.65	2.83
HBL-431	Silo	TSP/PM <sub>10</sub>	1.18	2.50
		VOC (5)	38.50	71.40
HT-441	Silo	TSP/PM <sub>10</sub>	0.24	0.63
		VOC (5)		
HTB-451	Silo	TSP/PM <sub>10</sub>	0.26	0.63
		VOC (5)		
HF-454	Baghouse	TSP/PM <sub>10</sub>	0.65	2.85
		VOC (5)		
HF-456	Baghouse	TSP/PM <sub>10</sub>	2.69	11.78
		VOC (5)		

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
HQ-460	Pellet Loading		TMP/PM <sub>10</sub> VOC (5)	0.09      0.17
HF-463	Baghouse		TMP/PM <sub>10</sub> VOC(5)	0.10      0.44
HF-481	Baghouse		TMP/PM <sub>10</sub>	6.0      1.4
HT-601	Tank		VOC	0.40      0.72
HT-602	Tank		VOC	1.08      2.30
HT-606	Tank		VOC	0.58      1.02
HT-608	Tank		VOC	0.2      0.002

## BOILERS: Case 1 - Natural Gas

HH-731A	Boiler (6)	VOC	0.74	3.26
		CO	4.18	18.32
		NO <sub>x</sub>	16.74	73.30
		SO <sub>2</sub>	1.58	6.93
		TSP/PM <sub>10</sub>	1.64	7.17
HH-731B	Boiler (6)	VOC		
		CO		
		NO <sub>x</sub>		
		SO <sub>2</sub>		
		TSP/PM <sub>10</sub>		

## BOILERS: Case 2 - No.2 Fuel Oil

HH-731A	Boiler (6)	VOC	0.61	2.66
		CO	4.91	21.48

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>			
			lb/hr	TPY		
				SO <sub>2</sub>	30.65	134.22
				NO <sub>x</sub>	19.62	85.94
				TSP/PM <sub>10</sub>	1.97	8.61
HH-731B	Boiler (6)			VOC		
				CO		
				SO <sub>2</sub>		
				NO <sub>x</sub>		
				TSP/PM <sub>10</sub>		

## 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
BOILERS: Case 3 - Combination of natural gas plus by-product liquid and			gaseous fuels.	
HH-731A	Boiler (6)	VOC	0.74	2.96
		CO	4.91	19.97
		SO <sub>2</sub>	30.65	72.65
		NO <sub>x</sub>	19.62	79.82
		TSP/PM <sub>10</sub>	26.99	64.47
		HCl	9.71	21.96
HH-731B	Boiler (6)	VOC		
		CO		
		SO <sub>2</sub>		
		NO <sub>x</sub>		
		TSP/PM <sub>10</sub>		
		HCl		
HT-735	Tank	VOC	0.15	0.38
HT-797	Tank	VOC	0.03	0.0002
HT-793	Tank	VOC	0.02	0.0001
HT-794	Tank	VOC	0.02	0.0001
HT-798	Tank	VOC	0.06	0.001
HT-799	Tank	VOC	15.05	0.16
HT-801	Tank	VOC	5.41	0.02
Pilot Plant	Pilot Plant	VOC	0.69	0.65
		TSP/PM <sub>10</sub>	0.01	0.01
Flare	Flare	VOC	54.0	33.4
		NO <sub>x</sub>	16.91	14.77
		CO	122.10	76.10
		SO <sub>2</sub>	0.17	0.75
Fugitive	Fugitives (4)	VOC	5.24	22.94

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

### AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
WWTP	Wastewater (4) Fugitives	VOC	0.43	1.88
CB1	Building Fugitives (4)	VOC TSP/PM <sub>10</sub>	6.20 0.09	27.2 0.35
CB2	Building Fugitives (4)	VOC TSP/PM <sub>10</sub>	2.40 0.06	10.20 0.27
CT-711	Cooling Tower	VOC	1.05	4.6
CT-711A	Cooling Tower	VOC	0.84	3.68

- (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 General Rule 101.1  
 NO<sub>x</sub> - total oxides of nitrogen  
 SO<sub>2</sub> - sulfur dioxide  
 CO - carbon monoxide  
 HCl - hydrogen chloride  
 TSP/PM<sub>10</sub> - total particulates expressed as PM<sub>10</sub>
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) The VOC emissions for all dry pellet handling equipment including Emission Point Numbers HBL-431, HT-441, HTB-451, HF-454, HF-456, HQ-460, and HF-463 are combined into HBL-431 for purposes of this table.
- (6) The total emissions from both boilers may not exceed the emissions shown for Boiler A.

\* 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

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY

Dated \_\_\_\_\_