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.

Emission	Source	Ai	r Contaminant	<u>Emissi</u>	on Rates
Point No. (1)	Name (2)		Name (3)1b/hr		TPY
<u>Interim limits</u> - Tof Train 4:	he following emission	ra	tes are effect	ive until	start-up
CB-1	Compounding Building	1	VOC PM ₁₀	6.20 0.09	27.20 0.35
CB-2	Compounding Building	2	VOC PM ₁₀	2.40 0.06	10.20 0.27
CT-711	Cooling Tower (4)		VOC	1.05	4.60
CT-711A	Cooling Tower (4)		VOC	0.84	3.68
FLARE	Facility Flare		VOC NO _x CO SO ₂	54.0 16.9 122.1 0.01	20.0 8.9 45.3 0.05
FUGITIVE	Process Fugitives (4))	VOC	4.65	20.37
HF-405	Bag Unloading Filter		PM ₁₀	0.20	0.05
HF-415	Additive Baghouse		PM ₁₀	0.65	2.83
HF-463	Railcar Unloading Ba 0.44	gho	use	PM ₁₀	0.10
HF-481	Vacuum Cleaning Bagh	ous	е	PM ₁₀	6.00

Emission *	Source	Air Cont	taminant	<u>Emis</u>	sion Rates
Point No. (1)	Name (2)	Name	(3)1b/hr		TPY
<pre>Interim limits (co</pre>	ntinued)				
BOILERS: Case 1 -	Natural gas/plant fue	<u> 1 gas</u>			
HH-731A, HH-731B	Boilers A and B	VOC NO _x CO SO ₂ PM/PN	1 ₁₀	0.22 11.16 2.79 1.05 1.09	0.97 48.87 12.22 4.62 4.88
BOILERS: Case 2 by-product liquid		natural	gas/plant	fuel	gas plus
HH-731A, HH-731B	Boilers A and B	VOC NO _x CO SO ₂ PM PM ₁₀ HC1		0.43 10.86 2.80 2.90 10.17 8.20 2.23	1.42 48.21 12.24 8.67 24.71 20.38 4.88
HST-101	Catalyst Preparation 0.68 Indenser (Backup servi		V	OC	61.0
HT-171	Toluene Tank	VOC		0.18	0.11
HT-601	Solvent Tank	VOC		0.40	0.72
HT-602	Solvent Tank	VOC		1.08	2.30
HT-606	Solvent Tank	VOC		0.58	1.02
HT-608	Seal Oil Tank	VOC		0.20	<0.01
HT-735	Boiler Liquid Fuel T	ank VOC		0.15	0.38

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	<u>Emissior</u>	<u>Rates</u>
Point No. (1)	Name (2)	Name (3)1b/hr		TPY
HT-793	Diesel Fuel Tank	VOC	0.02	<0.01
HT-794	Diesel Fuel Tank	VOC	0.02	<0.01
<pre>Interim limits (co</pre>	ntinued)			
HT-797	Diesel Fuel Tank	VOC	0.03	<0.01
HT-798	Diesel Fuel Tank	VOC	0.06	<0.01
HT-799	Gasoline Tank	VOC	15.05	0.13
HT-801	Slop Oil Tank	VOC	5.41	0.02
HV-124	ATE System Seal Pot	VOC	11.49	3.90
HV-125	DEAC System Seal Pot	VOC	11.39	1.04
HV-305	Alcohol Feed Tank	VOC	0.13	<0.01
HX-411	Extruder CAS (Backup service onl	VOC y) PM ₁₀	7.8 1.9	1.12 1.90
PP-1	Pilot Plant	VOC PM ₁₀	0.69 0.01	0.65 0.01
WWTP-2	Aerated Lagoon	VOC	0.43	1.88
HBL-431	Product Blending Syst	em PM ₁₀ VOC (5)	1.18 38.00	2.50 71.00
HT-441	Product Storage Silos	S PM ₁₀ VOC (5)	0.24	0.63

Emission *	Source A	Air Contaminant	<u>Emissio</u>	n Rates
Point No. (1)	Name (2)	Name (3)1b/hr		TPY
HF-454	Fines Removal Baghouse	e PM ₁₀ VOC (5)	0.65	2.85
HF-456	Fines Removal Baghouse	PM ₁₀ VOC (5)	2.69	11.78
HTB-451	Product Loading System	n PM ₁₀ VOC (5)	0.26	0.63
<pre>Interim limits (co</pre>	ntinued)	100 (3)		
HQ-460	Bagging and Boxing Si	los	PM_{10}	0.09
	0.17	VOC (5)		
<u>Final limits</u> - The of Train 4:	e following emission ra	tes become effec	tive upon s	tart-up
CB-1	Compounding Building 1	1 VOC PM ₁₀	6.20 0.09	27.20 0.35
CB-2	Compounding Building 2	2 VOC PM ₁₀	2.40 0.06	10.20 0.27
CB-3	Compounding Building	B VOC PM ₁₀	0.50 0.06	0.09 0.19
CT-711	Cooling Tower (4)	VOC	1.05	4.60
CT-711A	Cooling Tower (4)	VOC	1.68	7.36
FLARE	Facility Flare	VOC NO_{x} CO SO_{2}	63.00 19.75 142.65 0.01	26.19 11.61 59.16 0.05

AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	<u>Emissior</u>	n Rates
Point No. (1)	Name (2)	Name (3)1b/hr		TPY
FUGITIVE	Process Fugitives (4)) VOC	4.13	18.09
HF-405	Bag Unloading Filter	PM_{10}	0.20	0.05
HF-415	Additive Baghouse	PM_{10}	0.84	3.68
HF-463	Railcar Unloading Bag 0.44	ghouse	PM ₁₀	0.10
HF-481	Vacuum Cleaning Bagho 1.40	ouse	PM ₁₀	6.00

Final limits (continued)

BOILERS: Case 1 - Natural gas/plant fuel gas

		_		
HH-731A, HH-731B	Boilers A and B	VOC NO_{x}	0.22 4.78	0.97 20.95
		CO	5.81	25.43
		SO_2	1.05	4.62
		PM/PM_{10}	1.11	4.88
BOILERS: Case 2 by-product liquid	- Combination of wax	natural gas/p	lant fuel	gas plus
HH-731A, HH-731B	Boilers A and B	VOC NO _x CO SO ₂	0.43 8.32 6.26 2.90	1.42 28.69 27.42 8.67

PM

10.17

24.71

Emission *	Source	Air Contaminant	<u>Emission</u>	Rates
Point No. (1)	Name (2)	Name (3)1b/hr		TPY
		PM ₁₀ HCl	8.20 2.23	20.38
HST-101	Catalyst Preparation 0.68 ondenser (Backup servic		VOC	61.0
HT-171	Toluene Tank	VOC	0.21	0.17
HT-601	Solvent Tank	VOC	0.51	0.97
HT-602	Solvent Tank	VOC	1.19	2.56
HT-606	Solvent Tank	VOC	0.63	1.14
HT-608	Seal Oil Tank	VOC	0.20	<0.01
HT-735	Boiler Liquid Fuel Ta	nk VOC	0.39	0.78
HT-793	Diesel Fuel Tank	VOC	0.02	<0.01
HT-794	Diesel Fuel Tank	VOC	0.02	<0.01
Final limits (cont	cinued)			
HT-797	Diesel Fuel Tank	VOC	0.03	<0.01
HT-798	Diesel Fuel Tank	VOC	0.06	<0.01
HT-799	Gasoline Tank	VOC	15.05	0.13
HT-801	Slop Oil Tank	VOC	5.41	0.02
HV-124	ATE System Seal Pot	VOC	11.49	4.60

Emission	Source	Air Contaminant	<u>Emissio</u>	n Rates
* Point No. (1)	Name (2)	Name (3)1b/hr		TPY
HV-125	DEAC System Seal Pot	VOC	11.39	1.17
HV-305	Alcohol Feed Tank	VOC	0.13	<0.01
HX-411	Extruder CAS (Backup service onl	VOC y) PM ₁₀	7.8 1.9	1.12 1.90
PP-1	Pilot Plant	VOC PM ₁₀	0.69 0.01	0.65 0.01
WWTP-2	Aerated Lagoon	VOC	0.43	1.88
HBL-431	Product Blending Syst	em PM ₁₀ VOC (5)	1.74 44.60	2.69 93.00
HT-441	Product Storage Silos	PM ₁₀ VOC (5)	0.24	0.63
HF-454	Fines Removal Baghous	e PM ₁₀ VOC (5)	0.65	2.85
HF-456	Fines Removal Baghous	e PM ₁₀ VOC (5)	3.67	16.08
HTB-451	Product Loading Syste	m PM ₁₀ VOC (5)	0.35	0.82
Final limits (cont	inued)	VOC (3)		
HQ-460	Bagging and Boxing Si	los	PM_{10}	0.09
	0.17	VOC (5)		

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

- (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_x total oxides of nitrogen
 - CO carbon monoxide
 - SO₂ sulfur dioxide
 - PM particulate matter
 - PM_{10} particulate matter less than 10 microns
 - HCl hydrogen chloride
- (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 Nos. HBL-431, HT-441, HTB-451, HF-454, HF-456, and HQ-460 are combined into HBL-431 for purposes of this table.
 - * Emission rates are based on and the facilities are limited by the following maximum operating schedule:

Hrs/year <u>8</u>	760
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Dated	