Permit Number 23344

This table lists the maximum allowable emission rates for all sources of air contaminants covered by this permit.

Emission	Source	Air Contaminant	Emission Rates	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
<u>(7)</u>				
4-06	Furnace No. 1 ESP Unit	PM ₁₀ (4) PM (5) NO _x SO ₂ CO VOC	0.29 0.15 9.10 0.06 0.81 0.07	1.28 0.66 39.90 0.26 3.55 0.31
4-06A	Furnace No. 1 Dust-Pickup Baghouse	PM_{10}	0.10	0.50
4-2324	Furnace No. 2 ESP Unit	PM ₁₀ (4) PM (5) NO _x SO ₂ CO VOC	1.43 0.15 9.10 0.06 0.81 0.07	6.27 0.66 39.90 0.26 3.55 0.31
4-07	Wet Fritting Baghouse (2 Cyclones, Agglomerator, an Small Mill)	PM ₁₀ (4) d PM (5) NO _x SO ₂ CO VOC	0.42 0.19 1.29 0.04 0.48 0.04	1.84 0.84 5.67 0.18 2.10 0.18
4-08	CCE Mill Baghouses	PM ₁₀ (4)	0.08	0.35
4-17A	Former No. 13 2.4 MMBtu/hr Exhausted Through a Baghouse	PM ₁₀ (4) PM (5) NO _x SO ₂ CO VOC	0.40 0.10 1.17 <0.01 0.25 0.02	1.75 0.44 5.12 0.04 1.10 0.09

Emission	Source	Air Contaminant <u>Emission Rates</u>			
Point No. (1)	Name (2)	Name (3)lb/hr TPY (7)			
4-17C	Former No. 14 2.4 MMBtu/hr Exhausted Through a Baghouse	PM_{10} (4) PM (5) NO_x SO_2 CO VOC	0.40 0.10 1.17 <0.01 0.25 0.02	1.75 0.44 5.12 0.04 1.10 0.09	
4-17B	Former No. 16 Baghouse	PM ₁₀ (4) PM (5) NO _x SO ₂ CO VOC	0.40 0.10 1.17 <0.01 0.25 0.02	1.75 0.44 5.12 0.04 1.10 0.09	
4-18	Former No. 17 ESP	PM ₁₀ (4) PM (5) NO _x SO ₂ CO VOC	0.45 0.10 1.17 <0.01 1.10 0.02	1.97 0.44 5.12 0.04 4.82 0.09	
4-19	Former No. 18 Baghouse	PM_{10} (4) PM (5) NO_x SO_2 CO VOC	0.40 0.10 1.17 <0.01 0.25 0.02	1.75 0.44 5.12 0.04 1.10 0.09	
4-19P	Former No. 18 Heat Treater	PM (5) NO _x SO ₂ CO VOC	0.02 0.24 <0.01 0.05 <0.01	0.09 1.05 0.04 0.22 0.04	

Emission Point No. (1)	Source Name (2)	Air	r Contaminant <u>Emission Rates</u> Name (3)lb/hr TPY (7)			Rates
4-20A	Bead Wash Dryer Baghouse (6)		PM ₁₀ (4) IPA Acetone Chloroace	etone	0.10 0.70 0.13 0.37	0.44 3.03 0.55 1.63
4-20B	Bead Wash Dryer (6)		PM (5) NO _x SO ₂ CO VOC		0.14 0.92 0.03 0.34 0.03	0.60 4.03 0.12 1.48 0.12
4-44	Former No. 11 Baghouse		PM (4) PM (5) NO _x SO ₂ CO VOC		0.45 0.10 1.17 0.02 0.25 0.02	2.00 0.44 5.12 0.09 1.10 0.09
4-44P	Former No. 11 Heat Treater	SO ₂ CO	PM (5) NO _x	0.02 0.05	0.02 0.24 0.09 0.22 <0.01	0.09 1.05 0.02
4-34	Former No. 19 Baghouse		PM ₁₀ (4) PM (5) NO _x SO ₂ CO VOC		0.40 0.10 1.17 <0.01 0.25 0.02	1.75 0.44 5.12 0.04 1.10 0.09
4-34P	Former No. 19 Heat Treater		PM (5) NO _x SO ₂ CO VOC		0.02 0.24 <0.01 0.05 <0.01	0.09 1.05 0.04 0.22 0.04
4-35	Former No. 20 Baghouse		PM ₁₀ (4)		0.40	1.75

Emission Point No. (1)	Source Name (2)	Air	Contamina Name (3)		Emission Rates TPY (7)		
			PM (5) NO _x SO ₂ CO VOC		0.10 1.17 <0.01 0.25 0.02	0.44 5.12 0.04 1.10 0.09	
4-35P	Former No. 20 Heat Treater		PM (5) NO _x SO ₂ CO VOC		0.02 0.24 <0.01 0.05 <0.01	0.09 1.05 0.04 0.22 0.04	
4-43	Former No. 21 Baghouse		PM ₁₀ (4) PM (5) NO _x SO ₂ CO VOC		0.45 0.10 1.17 <0.01 0.25 0.02	1.97 0.44 5.12 0.04 1.10 0.09	
4-43P	Former No. 21 Heat Treater		PM (5) NO _x SO ₂ CO VOC		0.02 0.24 <0.01 0.05 <0.01	0.09 1.05 0.04 0.22 0.04	
4-0944	ESP Unit for Former Nos. 15 and 22	NO _x	PM ₁₀ (4) PM (5) SO ₂ VOC	3.51 1.10	1.34 0.30 15.40 0.30 4.82 0.06	5.87 1.31 0.13 0.26	
15-1	TCP Drier Baghouse		PM/PM ₁₀	(4)	1.40	6.13	
15-2	Dust Pickup Baghouse		PM/PM ₁₀	(4)	0.16	0.70	
15-3	Filter Receiver Baghouse		PM/PM ₁₀	(4)	0.10	0.40	

15-4	Bag Collector (6)	PM ₁₀ (4)		0.33	1.45
15-5	Hopper Baghouse	PM ₁₀ (4)		0.20	0.90
15-6	Hopper Baghouse	PM ₁₀ (4)		0.20	0.90
15-7	Furnace No. 2 Dust Pickup	PM ₁₀ (4)		0.10	0.44
15-12	Vacuum Receiver	PM ₁₀ (4)		0.02	0.09
4SCEOVEN1 and 4SCEOVEN2 and 4SCEOVEN3	Electrically Heated Sand Core Element Belt Furnace	VOC Exempt S	olvent	4.74 4.74	20.85 20.85
4SCEGExh1	Mixer/Feeder Baghouse	VOC Exempt Solvent PM	0.02 <0.001	0.02 0.09 <0.001	0.09
4SCEGExh2	Surface Treatment Baghouse	VOC Exempt Solvent PM	0.02 <0.001	0.02 0.09 <0.001	0.09
4SCEFUG		VOC Exempt Solvent PM/PM10	0.31 <0.001	0.31 1.36 <0.001	1.36

⁽¹⁾ Emission point identification - either specific equipment designation or emission point number from a plot plan.

⁽²⁾ Specific point source names.

⁽³⁾ PM - particulate matter, suspended in the atmosphere, including PM₁₀.

PM₁₀ - particulate matter equal to or less than 10 microns. Where PM is not listed, it shall be assumed that no PM greater than 10 microns in emitted.

VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1

NO_x - total oxides of nitrogen

SO₂ - sulfur dioxide CO - carbon monoxide

IPA - isopropanol

Exempt Solvent - Those carbon compounds or mixtures of carbon compounds used as solvents which have been excluded from the definition of volatile organic compound.

- (4) Particulate matter emissions from the process.
- (5) Particulate matter emissions from combustion.
- (6) Particulate emissions from a standard exempted mixing operation are also routed through these emission points.
- (7) Annual rates are based on a rolling 12 consecutive months.

Dated January 25, 2007