EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 42623

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**
BH-1	Cullet Crushing Baghouse	PM/PM_{10}	0.08	0.31
BH-3	Raw Material Unloading Conveyor Baghouse	PM/PM_{10}	0.11	0.42
RMS	Raw Material Silo Vent - Cullet Silos (3 units) Baghouse, Soda Ash Silos (2 units) Baghouse, Limestone Silos (2 units) Baghouse, Aplite Silo Baghouse, Spare Silo Baghouse, Melite Silo Baghouse, Saltcake Silo Baghouse, Aborted Batch Silo Baghouse, and Slag Silo Baghouse	PM/PM_{10}	0.71	2.80
BH-13	Sand Unloading Hopper Baghouse	PM/PM_{10}	0.11	0.42
BH-14	Sand Silos (2 units) Baghouse	PM/PM_{10}	0.06	0.21
MB	Mixer Building - Gathering Belt Conveyor Baghouse, Weighed Batch Elevator and Check Scale Baghouse, Cullet Weighed Batch Conveyor Baghouse, Batch Mixer, Carbocite Bag Dump, Iron Pyrite Bag Dump	PM PM_{10}	2.03 0.93	4.54 2.28
BH-19	Mixed Batch Elevator Baghouse	PM/PM_{10}	0.06	0.23
BH-21	LHS Daybin Baghouse	PM/PM_{10}	0.07	0.29

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
BH-22	RHS Daybin Baghouse	PM/PM_{10}	0.06	0.24
BH-23	Raw Material Bucket Elevator Baghouse	PM/PM_{10}	0.06	0.24
BH-24	Sand Unloading Bucket Elevator Baghouse	PM/PM_{10}	0.05	0.17
Furnace	Glass Melting Furnace	PM/PM_{10} (5)	25.00	109.50
		VOC	5.00	21.90
		NO_x	37.00	162.06
		SO_2	53.74	235.40
		CO	5.00	21.90
FB	Furnace Building Ventilation - Belt Burners (3 units), Hot End Coating Hoods, Distribution Chamber, Forehearths (3 units), Feeders (6 units), Glass Forming Machines (3 units), Abrasive Blast Furnace Building	PM	2.12	9.28
		PM_{10}	0.65	2.85
		VOC	0.40	1.73
		NO_x	2.43	10.65
		SO_2	0.35	1.52
		CO	2.11	9.22
		HCl	0.15	0.66
BO-1	Mold and Burn-Off Ovens (3 units)	PM/PM_{10}	0.02	0.07
		VOC	0.01	0.05
		NO_x	0.20	0.88
		SO_2	<0.01	0.01
		CO	0.17	0.74
CULLET	Cullet Loading to Unloading Hopper (4)	PM	0.10	0.43
		PM_{10}	0.05	0.20
MOLD	Mold Shop Baghouse - Bead Blaster, Grinding and Sanding Tools, Welding	PM/PM_{10}	0.51	2.25
PW-4	Proceco Parts Washer with Heaters	PM/PM_{10}	<0.01	0.02

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		VOC	<0.01	0.01	
		NO_x	0.05	0.24	
		SO_2	<0.01	<0.01	
		CO	0.05	0.20	
VAC	Mini Vec Loader and Propane Motor	PM/PM_{10}	0.06	0.25
		VOC	<0.01	<0.01	
		NO_x	0.01	0.04	
		SO_2	<0.01	<0.01	
		CO	<0.01	0.01	
PILE-A	Working Cullet Pile (4)	PM	--	0.04
		PM_{10}	--	0.02	
PILE-B	Long Term Cullet Storage Pile (4)	PM	--	0.03
		PM_{10}	--	0.02	
PB	Packaging Building Ventilation - Packing Room Space Heaters, LEHR Unit 1, LEHR Unit 2, LEHR Unit 3, Parts Washers (2 units), Video Jet Ink, Video Jet Sovent	PM/PM_{10}	0.12	0.54
		VOC	1.54	6.73	
		NO_x	1.62	7.10	
		SO_2	0.01	0.04	
		CO	1.36	5.96	
FAN-1	Truck/Railcar Unloading Station (4)	PM	0.01	0.04
		PM_{10}	<0.01	0.01	
FAN-2	Sand Truck Unloading Station (4)	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01	
LLRMS	Lower Level Raw Material Silo - Sand Belt Conveyor Baghouse, Major Scale, Minor Scale, Cullet Scale, Sand Scale	PM	6.73	4.84
		PM_{10}	2.73	2.12	
BOOTH-1	Graphite Booth	PM/PM_{10}	0.03	0.13

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
CONV1	Cullet Loading Conveyor (4)	PM	0.07	0.32
		PM_{10}	0.03	0.13
B-1	Water Heaters (3 units)	PM/PM_{10}	0.01	0.04
		VOC	0.01	0.03
		NO_x	0.08	0.33
		SO_2	<0.01	<0.01
		CO	0.11	0.46
VPUMP	Vacuum Pumps (2 units)	PM/PM_{10}	0.05	0.21
DSLGEN	Standby Emergency Diesel Generator	PM/PM_{10}	0.63	0.16
		VOC	0.57	0.14
		NO_x	21.51	5.38
		SO_2	0.36	0.09
		CO	4.93	1.23
DSLPMP	Emergency Fire Water Diesel Pump	PM/PM_{10}	0.48	0.12
		VOC	0.50	0.13
		NO_x	6.82	1.71
		SO_2	0.45	0.25
		CO	1.47	0.37
COOLTW-1	Furnace Cooling Tower	PM/PM_{10}	<0.01	0.02
COOLTW-2	Cooling Tower	PM/PM_{10}	0.02	0.09
COOLTW-3	Compressor Cooling Tower	PM/PM_{10}	0.01	0.07
DTANK-1	Standby Diesel Generator Tank	VOC	<0.01	<0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
DTANK-2	Fire Water Diesel Tank	VOC	<0.01	<0.01
DTANK-3	Front End Loader Diesel Tank	VOC	<0.01	<0.01
OWS	Oil Water Separator	VOC	0.23	0.99

(1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
(2) Specific point source names. For fugitive sources, use an area name or fugitive source name.
(3) PM - particulate matter, suspended in the atmosphere, including PM_{10}.
PM_{10} - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no PM greater than 10 microns is emitted.
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
CO - carbon monoxide
HCl - hydrogen chloride
(4) Fugitive emissions are an estimate only.
(5) Includes H_2SO_4 mist.

* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

_____ Hrs/day ____ Days/week ___Weeks/year or _8,760_ Hrs/year

** Compliance with annual emission limits is based on a rolling 12-month period.

Dated February 16, 2006