EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 898

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
01	Soda Ash Silo Vent	PM_{10}	0.075	0.33
02	Soda Ash Silo Vent	PM_{10}	0.075	0.33
03	Limestone Silo Vent	PM_{10}	0.050	0.22
04	Salt Cake Silo Vent	PM_{10}	0.011	0.05
05	Dolomite Silo Vent	PM_{10}	0.14	0.60
06	Sand Silo Vent	PM_{10}	0.20	0.86
07	Sand Silo Vent	PM_{10}	0.20	0.86
08	Sand Silo Vent	PM_{10}	0.20	0.86
09	Soda Ash Silo Vent	PM_{10}	0.009	0.04
10	Soda Ash Silo Vent	PM_{10}	0.009	0.04
11	Limestone Silo Vent	PM_{10}	0.009	0.04
12	Salt Cake Silo Vent	PM_{10}	0.009	0.04
13	Dolomite Silo Vent	PM_{10}	0.009	0.04
14	Sand Silo Vent	PM_{10}	0.009	0.04

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
15	Sand Silo Vent	PM_{10}	0.009	0.04
16	Sand Silo Vent	PM_{10}	0.009	0.04
17	Cullet Hood Vent	PM_{10}	0.39	1.70
18	Mix House Vent	PM_{10}	0.39	1.70
20	Rouge/Coal Storage Vent	PM_{10}	0.094	0.41
21	Batch Plant Vacuum System Vent	PM_{10}	0.009	0.04
22	Tank No. 1 Stack (5)	PM_{10}	71.	310.
		NO_x	739.	3237.
		CO	160.	700.
		SO_2	80.	351.
		Cr (4)	0.22	1.0
		Se (4)	7.0	31.
		Co (4)	0.014	0.06
		Si (4)	19.0	82.0
		Ni (4)	0.022	0.10
23	Tank No. 2 Stack (5)	PM_{10}	71.	310.
		NO_x	739.	3237.
		SO_2	80.	351.
		CO	160.	700.
25	Cullet Hood Vent	PM_{10}	0.057	0.25
28	Solarcool Scrubber Stack	PM_{10}	4.37	9.57
		Co (4)	0.46	2.00
		SO_2 (6)	5.70	25.00
		Cr (4)	0.080	0.35
		Fe (4)	0.50	2.20
29	Solarcool Mix Room Vent	PM_{10}	0.15	0.66

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
30	Line 2 West Stack	SO_2 (6)	5.70	25.00
31	Line 1 East Stack	SO_2 (6)	5.7	25.00
32	Cullet Hood Scrubber Vent	PM_{10}	0.002	0.01
33	Cullet Hood Scrubber Vent	PM_{10}	0.027	0.12
34	Cullet Hood Scrubber Vent	PM_{10}	0.027	0.12
35	Cullet Hood Scrubber Vent	PM_{10}	0.005	0.02
36	Interleaving Line 2 Stack	PM_{10}	0.46	2.00
36A	Interleaving Line 2 Stack	PM_{10}	0.46	2.00
37	Interleaving Line 1 Stack	PM_{10}	0.30	1.30
38	Boiler 1 Furnace Stack	SO_2	0.023	0.10
		CO	0.046	0.20
		VOC	0.023	0.10
		NO_x	0.23	1.00
		PM_{10}	0.023	0.10
38A	Boiler 2 Furnace Stack	NO_x	0.23	1.00
		VOC	0.023	0.10
		CO	0.046	0.20
		SO_2	0.023	0.10
		PM_{10}	0.023	0.10

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
38B	Boiler 3 Furnace Stack	NO_x	0.23	1.00
		VOC	0.023	0.10
		CO	0.046	0.20
		SO_2	0.023	0.10
		PM_{10}	0.023	0.10
39	Cullet Hood Scrubber Vent	PM_{10}	0.005	0.02
40	Cullet Hood Scrubber Vent	PM_{10}	0.005	0.02
41	Cullet Hood Scrubber Vent	PM_{10}	0.005	0.02
42	Cullet Hood Scrubber Vent	PM_{10}	0.005	0.02
43	Cullet Hood Scrubber Vent	PM_{10}	0.005	0.02
44	Cullet Hood Scrubber Vent	PM_{10}	0.005	0.02
45	Cullet Hood Scrubber Vent	PM_{10}	0.005	0.02
46	APS-1 Stack	PM_{10}	0.068	0.30
47	APS-2 Stack	PM_{10}	0.068	0.30
48	APS-3 Stack	PM_{10}	0.068	0.30
49	APS-4 Stack	PM_{10}	0.068	0.30
50	Cullet Hood Scrubber Vent	PM_{10}	0.005	0.02
51	Race 1 Stack	PM_{10}	0.057	0.25
52	APS-1B Stack	PM_{10}	0.12	0.52

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
52A	APS-1A Stack	PM	0.068	.30
53	Vacuum Transfer Temp. No. 1 Stack	PM_{10}	0.068	0.30
54	Vacuum Transfer Temp. No. 3 Stack	PM_{10}	0.068	0.30
54A	Vacuun Transfer Temp. No. 2 Stack	PM_{10}	0.068	0.30
54B	Interleaving Tempering Stack	PM_{10}	0.46	2.00
55	Oil Storage Tank Vent	VOC	0.23	1.00
56	Oil Storage Tank Vent	VOC	0.023	0.10
57	Oil Storage Tank Vent	VOC	0.023	0.10
58	Oil Storage Tank Vent	VOC	0.023	0.10
59	LP Gas Tank Vent	VOC	0.057	0.25
60	Gas Tank Vent	VOC	0.057	0.25
61	Waste Oil Tank Vent	VOC	0.027	0.12
63	Oil Storage Tank Vent	VOC	0.027	0.12
65A	Line 1 Cullet Conveyor Dust Collector Vent	PM_{10}	0.002	0.01
65B	Line 1 Cullet Conveyor	PM_{10}	0.002	0.01

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
	Dust Collector Vent			
65C	Line 1 Cullet Conveyor Dust Collector Vent	PM_{10}	0.002	0.01
66A	Line 2 Cullet Conveyor Dust Collector Vent	PM_{10}	0.002	0.01
66B	Line 2 Cullet Conveyor Dust Collector Vent	PM_{10}	0.002	0.01
67	Line 2 Batch Dust Collector Vent	PM_{10}	0.002	0.01
68	Oil Storage Tank Vent	VOC	0.023	0.01

(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
SO_2 - sulfur dioxide
PM_{10} - particulate matter less than 10 microns
CO - carbon monoxide
Cr - chromium
Se - selenium
Ni - nickle
Fe - iron
Co - cobalt
Si - amorphous silica
(4) These emissions are also included as part of the total particulate PM_{10}.
(5) The emission rates shown for Cr, Co, Ni, Si, and Se represent total combined emissions from both Tanks 1 and 2. The individual emissions rate from each stack can vary such that the sum of

the emissions from Stacks 22 and 23 may not exceed the total amount shown.

(6) When the solarcool process is being operated over either Lines 1 or 2, the SO_2 discharge from the respective emission points 31 (Line 1) or 30 (Line 2) will be through the solarcool control duct work and through the solarcool scrubber.

* Emission rates are based on a maximum daily production of 700 tons of glass for each of the two furnaces (1,400 tons total) and a maximum annual production of 511,000 tons of glass for the facility and the facilities are limited by the following maximum operating schedule:

Hrs/day 24 Days/week 7 Weeks/year 52 or Hrs/year 8,760

Dated_____