

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

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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)	Name (3)	Air Contaminant lb/hr(4) TPY(5)	<u>Emission Rates *</u>	
B-C-8A	42 MMBtu/hr Process Heater		NOx	7.36	21.16
			CO	1.84	5.29
			SO2	15.68	2.72
			SO3	0.22	0.04
			PM10	2.58	1.18
			VOC	0.10	0.40
B-C-8B	42 MMBtu/hr Process Heater		NOx	7.36	21.16
			CO	1.84	5.29
			SO2	15.68	2.72
			SO3	0.22	0.04
			PM10	2.58	1.18
			VOC	0.10	0.40
B-C-8C	31 MMBtu/hr Process		NOx	5.34	15.37
			CO	1.34	3.84
			SO2	11.38	1.97
			SO3	0.16	0.03
			PM10	1.87	0.86
			VOC	0.07	0.29
B-C-8D	31 MMBtu/hr Process		NOx	5.34	15.37
			CO	1.34	3.84
			SO2	11.38	1.97
			SO3	0.16	0.03
			PM10	1.87	0.86
			VOC	0.07	0.29
B-C-8E	34 MMBtu/hr Process		NOx	5.95	17.12
			CO	1.49	4.28
			SO2	12.68	2.20

SO3	0.18	0.03
PM10	2.08	0.96
VOC	0.08	0.33

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Name (3)	Air Contaminant lb/hr(4) TPY(5)	Emission Rates*
B-C-9A	69 MMBtu/hr Dowtherm		NOx	11.90 34.23
			CO	2.98 8.56
				SO2
				25.36
				4.39
			SO3	0.36 0.06
			PM10	4.17 1.92
			VOC	0.12 0.65
B-C-9B	69 MMBtu/hr Dowtherm		NOx	11.90 34.23
			CO	2.98 8.56
			SO2	25.36 4.39
			SO3	0.36 0.06
			PM10	4.17 1.92
			VOC	0.12 0.65
A-C-A0A/B/C	130 MMBtu/hr Dowtherm		NOx	22.53 64.78
			CO	5.63 16.20
			SO2	47.98 8.31
			SO3	0.68 0.11
			PM10	7.89 3.62
			VOC	0.32 1.24
C-C-1A/B	14 MMBtu/hr Alum. Melt		NOx	2.18 6.26

		CO	0.54	1.56
		SO2	4.63	0.80
		SO3	0.06	0.01
		PM10	0.76	0.35
		VOC	0.03	0.12
C-C-1C/D	14 MMBtu/hr Alum. Melt	NOx	2.18	6.26
		CO	0.54	1.56
		SO2	4.63	0.80
		SO3	0.06	0.01
		PM10	0.76	0.35
		VOC	0.03	0.12

- (1) Emission point identification - either specific equipment designation or emission point number from plot plan.
- (2) Specific point source name.
- (3) SO3 - sulfur trioxide
PM10 - particulate matter less than 10 microns
VOC - volatile organic compounds as defined in General Rule 101.1
NOx - total oxides of nitrogen
SO2 - sulfur dioxide
CO - carbon monoxide

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- (4) Maximum hourly emission rates for SO2, SO3 and PM10 are based on the worst hourly case, e.g. liquid hydrocarbon fuel or fuel oil rates.
- (5) See Special Provision No. 4 for basis for annual emission rates.

* The facilities are limited by the following maximum operating schedule:

Hrs/day____Days/week____Weeks/year____or Hrs/year 8760