

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 8097 and PSD-TX-138M2

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		Air Contaminant		<u>Emission Rates (6)</u>	
	Name (2)	Name (3)	lb/hr	TPY		
1	A- Baghouse: Canopy Hood for A-Furnace (4)		PM10		13.0	52.0
			CO		12.0	50.0
6	B- Baghouse: Canopy Hood for B-Furnace (4)		PM10		22.0	87.0
			CO		21.0	84.0
7	C- Baghouse: Direct Shell Evacuation for A & B Furnace and Melt-Shop Scavenger System		PM10		17.0	69.0
			CO		550.0	2200.0
4A	Melt Shop Roof Monitor		TSP		26.4	9.6
			PM10		26.4	9.6
			CO		45.0	16.5
4B	Melt Shop Roof Monitor		TSP		10.5	3.8
			PM10		10.5	3.8
9	Large Section Mill Reheat Furnace (4)		PM10		0.7	0.9
			NOX		26.0	37.0
			SO2		2.0	1.5
			CO		5.6	7.1
			VOC		0.2	0.3
3	Vanover Separator-Auto Shredder Primary Collection System (existing)*		TSP		5.0	
8	Air Cascade Separator Auto Shredder Primary		TSP		5.0	

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

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

Collection System (existing)*

- (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
NOX - total oxides of nitrogen
CO - carbon monoxide
TSP - total suspended particulate matter (including PM10)
PM10 - particulate matter less than 10 microns
- (4) Emissions collected in the two canopy hoods are combined in a mixing

chamber before splitting to the two baghouses.

- (5) Hourly emissions are based on a maximum design firing rate of 120 MMBtu/hr, based on a lower heating value (LHV) of the fuel,

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

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

i.e.,
natural
gas.
Annual
emissions
are
based
on
firing
the
furnace
for
a
maximum
of
5,600
hrs/yr
,
during
which
the
average
firing
rate
will
be
less
than
equal

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

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

to 60
MMBtu/hr
(LHV)

- (6) Emission rates are based on and the facilities are limited by the following maximum operating schedule:

* Emission rates included for reference only. Emission limitations do not apply since these units have no applicable restrictions.

Hrs/day____Days/week____Weeks/year____or Hrs/year 8,000

Revised_____