

## Emission Sources - Maximum Allowable Emission Rates

Permit Number 19713

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, sources, and related activities. 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 (9)	
			lbs/hour	TPY (4)
1B	Cartridge Filter System – Stack (5, 6, and 8)	PM	0.02	0.46
		PM <sub>10</sub>	0.02	0.46
1C	Cartridge Filter System – Stack (5, 6, 7 and 8)	PM	0.06	1.83
		PM <sub>10</sub>	0.06	1.83

- (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) PM
  - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>, as represented
  - PM<sub>10</sub>
    - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as represented
    - PM<sub>2.5</sub>
      - particulate matter equal to or less than 2.5 microns in diameter
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period and is limited by the production rates and operating schedule defined in Special Conditions 4, 5, and 6D.
- (5) Fugitive emissions are an estimate only.
- (6) Product limited to the following powders as described in Special Condition No. 5; aluminum oxide, aluminum oxide/titanium oxide, molybdenum, stainless steel, titanium dioxide, and tungsten carbide.
- (7) Product limited to the following wires as described in special Condition No. 5; aluminum, aluminum/bronze, carbon steel, molybdenum, nickel, Nilo 36, stainless steel, and zinc.
- (8) Materials have been speciated to include aluminum, aluminum oxide, chromium, cobalt, copper, iron, lead, manganese, molybdenum, nickel, silicon, titanium oxide, tungsten carbide, and zinc. Specific concentration levels are maintained in the permit file.
- (9) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit.

Date: November 26, 2013