

Emission Sources - Maximum Allowable Emission Rates

Permit Number 20842

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	
			lbs/hour	TPY (4)
1	Atmospheric Plasma Spray (APS) Unit 3 Cartridge Filter Exhaust Stack	PM	7.94E-05	3.50E-04
		PM ₁₀	7.94E-05	3.50E-04
		PM _{2.5}	7.94E-05	3.50E-04
		Chromium (5)	7.94E-05	3.50E-04
		Chromium Carbide (5)	7.94E-05	3.50E-04
		Cobalt (5)	7.94E-05	3.50E-04
		Lead	3.97E-05	1.70E-04
		Manganese (5)	3.97E-05	1.70E-04
		Nickle (5)	7.94E-05	3.50E-04
		HAPs	3.97E-04	1.74E-03
2	APS Units 1 and 2 Cartridge Filter Exhaust Stack	PM	1.59E-04	7.00E-04
		PM ₁₀	1.59E-04	7.00E-04
		PM _{2.5}	1.59E-04	7.00E-04
		Chromium (5)	7.94E-05	3.50E-04
		Chromium Carbide (5)	7.94E-05	3.50E-04
		Cobalt (5)	7.94E-05	3.50E-04
		Lead	3.97E-05	1.70E-04
		Manganese (5)	3.97E-05	1.70E-04
		Nickle (5)	7.94E-05	3.50E-04
		HAPs	3.97E-04	1.74E-03
9	Fluoride Ion Cleaning (FIC) Unit Acid Scrubber Stack	Hydrogen Fluoride (5)	1.50E-04	5.50E-04

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1 and 2 MSS	APS 1, 2, and 3 Bag Filter Change-out (6)	PM	8.05E-05	1.61E-07
		PM ₁₀	8.05E-05	1.61E-07
		PM _{2.5}	8.05E-05	1.61E-07
All EPNs	All Sources	Total HAPS	9.44E-04-	4.03E-03

- (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 PM₁₀ and PM_{2.5}, as represented
 - PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}, as represented
 - PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
 - HAP - hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Constituent is included in HAP total.
- (6) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Date: June 30, 2017