

Emission Sources - Maximum Allowable Emission Rates

Permit Number 172026

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 (5)	
			lbs/hour	TPY (4)
1	HTS Tape Manufacturing Processes (6)	PM	0.03	0.08
		PM ₁₀	0.03	0.08
		PM _{2.5}	0.03	0.08
		H ₂ SO ₄	<0.01	<0.01
		H ₃ PO ₄	<0.01	<0.01
		Ar	75.69	331.50
		Hydrogen	0.02	0.05
All	All Sources at the Site	Individual HAPs	--	<10.00
		Total HAPs	--	<25.00

- (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
 - H₂SO₄
 - sulfuric acid
 - H₃PO₄
 - phosphoric acid
 - Ar
 - argon
 - 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 rolling 12-month period.
- (5) Planned startup and shutdown emissions are authorized by this permit. Startup and shutdown emissions are equal to emissions from normal operations.
- (6) Includes: EP 1, EP 2, IBAD 1, IBAD 2, MOCVD 1, MOCVD 2, MOCVD O, Silver 1, Silver 2, CP 1, and CP 2 process equipment and lines.

Date: June 26, 2023