

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.

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates</u>	
			lb/hr	TPY (4)
1	Atmospheric Plasma Spray (APS) Unit Vented Through a Dust Collector (APS 3)	Aluminum	0.00018	0.00011
		Carbon	0.00009	0.00005
		Chromium	0.00057	0.00036
		Cr ₃ C ₂	0.00061	0.00038
		Cobalt	0.00048	0.00030
		Graphite	0.00012	0.00007
		MgO	0.00015	0.00009
		Molybdenum	0.00061	0.00038
		Nickel	0.00230	0.00150
		Tungsten	0.00056	0.00035
		WC	0.00054	0.00034
		ZrO ₂	0.00045	0.00028
2	Two Atmospheric Plasma Spray Units Vented Through a Dust Collector (APS 1 and 2)	Aluminium	0.00001	0.00001
		Chromium	0.00002	0.00003
		Cobalt	0.00001	0.00001
		Molybdenum	0.00001	0.00001
		Nickel	0.00003	0.00003
		Tungsten	0.00001	0.00001
		Yttrium	0.00001	0.00001
		Zirconium	0.00002	0.00003
9	Fluoride Ion Cleaning Unit Vented Through an Acid Scrubber	HF	0.00015	0.00055
		H ₂	0.97	3.43
		Ar	1.02	3.61

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- (1) Emission point identification - specific equipment designation or emission point number from a plot plan
- (2) Specific point source names.
- (3)
 - Cr_3C_2 - Chromium Carbide
 - MgO - Magnesium Oxide
 - WC - Tungsten Carbide
 - ZrO_2 - Zirconium Oxide
 - HF - Hydrogen Fluoride
 - H_2 - Hydrogen
 - Ar - Argon
- (4) Compliance with annual emission limits is based on a rolling 12-month period.

Dated August 17, 2007