

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 18734

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 Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
GROUP1	Scrubbers	Acids(4)(5)	1.45	6.30
		Alkalis	0.10	0.46
		Halocarbons	2.92	12.80
		Inorganics	0.10	0.43
		Specialty Gases	1.37	5.98
		VOC	0.02	0.07
		non-VOC	0.02	0.08
GROUP3A	Scrubbers	HCl	0.34	1.50
GROUP3B	Scrubbers	HCl	<0.01	0.01
BCDRSE	Concentrator/Oxidizer	VOC	6.53	28.60
		non-VOC	1.20	5.25
		NO _x	1.58	6.94
		SO ₂	<0.01	0.02
		CO	0.15	0.65
		PM	0.08	0.37
		VOC(6)	0.06	0.25
E1RSVE1-8, E2RSVE, and E2eRSVE	<0.001	Silane VentsSpecialty Gas		<0.01
		POC	<0.01	<0.001
BCDRASE	Bulk Chemical Building	Acids	<0.01	<0.001
		Alkalis	<0.01	<0.001
		Inorganics	<0.01	<0.01
		VOC	<0.01	<0.001

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Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
SSTK1	NaOH Tank	NaOH	<0.01	<0.001
SSTK2	HCl Tank	HCl	<0.01	<0.001
SSTK3	HF Tank	HF	<0.01	<0.001
SSTK4	NH ₄ Tank	NH ₄	<0.01	<0.001
GROUP4	Waste Solvent Tanks	VOC	0.44	1.63
		non-VOC	0.31	0.76
GROUP5	Waste HF Tanks	HF	<0.01	<0.01

- (1) Emission point identification - 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
 - POC - products of combustion including NO_x, SO₂, PM, CO, and VOC
 - NO_x - total oxides of nitrogen
 - SO₂ - sulfur dioxide
 - PM - particulate matter
 - CO - carbon monoxide
 - NaOH - sodium hydroxide
 - HCl - hydrogen chloride
 - HF - hydrogen fluoride
 - NH₄ - ammonia
- (4) Does not include HCl
- (5) Sulfuric acid may be emitted from any of the EPNs belonging to GROUP1 except E2eRAMSE.
- (6) VOC from combustion
- (7) Actual EPNs contained in each group are referenced in the permit

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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>

file.

* Emission rates are based on a continuous operating schedule of 8,760 hours per year.