

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

20162

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)	<u>Emission Rates*</u>	
			lbs/hr	TPY
E-AN-A1,2	Scrubber Stack	Acids	7.82	1.86
E-AS-A1,2	" "	CFC	0.11	0.03
E-AS-E1	" "	Hydrides	8.86	2.1
E-AS-H2	Solvent Stack	Inorganics	0.23	0.06
		VOC	0.80	0.74
E-AS-S1	Rotor Concentrator/	VOC	19.09	4.53
	Thermal Oxidizer Stack	CO	2.20	0.67
		NOx	18.43	6.25
E-BR-1,	Scrubber Stack	Acids	0.151	0.048
E-BR-2,	Solvent Stack	CFC	0.009	0.015
E-BR-3,4,6,	Lab Vents	Hydrides	0.008	0.004
E-BR-5	Burn Box Vent	Inorganics	0.003	0.011
		VOC	0.395	0.094
E-CR-1,2,3	Boiler Stacks	PM	1.38	0.90
		SO2		6.45

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			lbs/hr	TPY
	0.51			
		CO		2.24
	9.63			
		NOx		8.96
	38.51			
		VOC		0.18
	0.77			
E-CR-4,5	Emergency Generators	PM		1.23
	0.29			
		SO2		1.15
	0.27			
		CO		3.73
	0.88			
		NOx		17.25
	4.06			
		VOC		1.64
	0.39			
E-CR-6,	Lab Vent	Acids		0.04
	0.17			
	DI System	Inorganics		0.032
	0.13			
E-CR-7	Scrubber Stack	VOC		0.00024
	0.0001			
E-CR-8	Gas Compressor	PM	NA	NA
		SO2		0.0034
	0.015			
		CO		2.70
	11.83			
		NOx		1.94
	8.50			
		VOC		0.60
	2.63			
E-ER-1,2,3,4	Test Floor	Acids		0.019
	0.046			
		CFC		0.021

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			lbs/hr	TPY
	0.050			
		Hydrides		0.005
	0.020			
		Inorganics		0.013
	0.054			
		VOC		0.065
	0.273			
E-ER-5	Boiler Stack	PM		0.18
	0.28	SO2		1.30
	0.1	CO		0.45
	1.93	NOx		1.80
	7.70	VOC		0.067
	0.29			
E-FR-1,2	Test Floor/Labs	Acids		0.0054
	0.023	CFC		0.0058
	0.025	Inorganics		0.0004
	0.0009	VOC		0.042
	0.077			
E-HR-1,	Exhaust Stack	Acids		0.0004
	0.0017			
E-HR-2,	Paint Booth	Inorganics		0.00032
	0.00134			
E-HR-3,	Exhaust Stack	VOC		4.30
	1.087	PM		0.004
	0.00084			

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			lbs/hr	TPY
E-JR-1,	Boiler Stacks	PM	0.18	
	0.28			
E-JR-2		SO2	1.30	
	0.1			
		CO	0.45	
	1.93			
		NOx	1.80	
	7.70			
		VOC	0.07	
	0.29			
E-JR-3,	Exhaust Stack	Acids	0.021	
	0.090			
E-JR-4	Scrubber Stack	CFC	0.070	
	0.293			
		VOC	0.093	
	0.390			
E-WR-1	Packaging Foam	VOC	0.0005	
	0.002			
		PM	0.0003	
	0.001			
E-SR-1,	Scrubber Stack	Acids	0.0074	
	0.000013			
E-SR-2	Burn Box Vent	CFC	0.0084	
	0.0003			
		Hydrides	0.0021	
	0.0046			
		Inorganics	0.0061	
	0.00004			
E-ST-1	Diesel Tank	VOC	0.125	
	0.004			

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates*</u>	
			lbs/hr	TPY
E-ST-2	Fire Pump 0.0003	PM		0.10
		SO2		0.10
		CO		0.31
		NOx		1.44
		VOC		0.14
E-ST-3	Diesel Tank 0.003	VOC		0.125
E-ST-4	Emergency Generator 0.050	PM		0.21
		SO2		0.20
		CO		0.65
		NOx		3.00
		VOC		0.29
E-ST-5,	Cooling Tower and 0.005	Acids		0.27
E-ST-10	Chem Storage 0.021	Inorganics		0.23
		VOC		0.13
E-ST-11	Emergency Generator 0.047	PM		0.20
		SO2		0.18
	0.043			

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			lbs/hr	TPY
	0.14	CO		0.60
	0.65	NOx		2.77
	0.062	VOC		0.26
E-ST-12	Cooling Tower	Acids		0.0008
	0.0034	Inorganics		0.0022
	0.0092	VOC		0.0004
	0.0017			
E-ST-13	Emergency Generator	PM		1.23
	0.29	SO2		1.15
	0.27	CO		3.73
	0.88	NOx		17.25
	4.06	VOC		1.64
	0.39			
E-ST-14	Emergency Generator	PM		1.23
	0.29	SO2		1.15
	0.27	CO		3.73
	0.88	NOx		17.25
	4.06	VOC		1.64
	0.39			

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates*	
			lbs/hr	TPY
E-ST-15	Emergency Generator			
			0.047	PM 0.20
			0.043	SO2 0.18
			0.14	CO 0.60
			0.65	NOx 2.77
			0.062	VOC 0.26

- (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) VOC - volatile organic compounds as defined in General Rule 101.1  
 NOx - total oxides of nitrogen  
 CO - carbon monoxide  
 PM - particulate matter  
 SO2 - sulfur dioxide  
 CFC - chlorofluorocarbons

\* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

Hrs/day 24 Days/week 7 Weeks/year 52 or Hrs/year 8,760

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			lbs/hr	TPY

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