

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 17903

The total emissions of air contaminants from any of the source groupings listed on this table shall not exceed the stated values. The annual (TPY) emission rates are based on a rolling 12-month period. The facilities may operate 8,760 hours per year.

## AIR CONTAMINANTS DATA

Emission Point (4)	Source Grouping	Air Contaminant	Emission Rates	
Grouping No. (1)	Name (2)	Name (3)	lb/hr	TPY
<b>Research West Building</b>				
01 (89, 90, 92, 92A, 92B, 93, and RWFUG)	1.36	Reswest (RWIDL)VOC	0.47	
		Exempt Solvent	0.35	0.81
		Inorganics	0.60	1.40
<b>North Building</b>				
02 (A, D, and KK)	North (NBDCE, NBUNCOOL, NBMCRO, and NBMOCVD)	VOC	0.11	0.21
		Exempt Solvent	0.16	0.40
		POC	0.08	0.16
		Inorganics	0.10	0.10
03 (K, L, AA, CC, EE, FF, HH, JJ, MM, and NBFUG)	NorthFug (NB-DEG-01, NB-DEG-02, NB-DEG-03, NBMCRO, NBDCE, NBSPD, and NBMISC)	VOC	3.42	4.72
		Exempt Solvent	2.80	6.32
		Inorganics	0.45	0.10
04 (215 and 216)	N215216 (NBDCE and NBMCRO)	VOC	0.45	1.71
		Exempt Solvent	0.69	1.40
		Inorganics	0.03	0.05
<b>Semiconductor Building</b>				
05 (4, 5A40C, 6, 7, S/C (SCDSTARII, 12C,13A, 13B, 13C, 18, 18ASC, 19, 20, 22, 22A, 23, 40B, 233, and SCFUG)	2.93 0.02	VOC	2.86	8.39
		SCFAL, SCOPTO,Exempt Solvent	7.68	
		SCUNCOOL, SCSMT, POC	0.04	
		Inorganics	0.66	1.56
	SCQTZ, SCMCM, SCMCRO, SCTFN, SCHARP,			

SCDEWA, SCSCPKG,  
SCMCT, and SCMISC)

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Grouping No. (1)	Name (2)	Name (3)	<u>lb/hr</u>	<u>TPY</u>

**Research East Building**

06 (84, 87, 88, 94,	0.58	Reseast (REDIG,VOC		0.45
95, 104, 105,	RESTGM, and	Exempt Solvent	0.37	0.93
106, 211, and	REMISC)	POC	0.07	0.15
REFUG)		Inorganics	0.35	0.43

(1) Emission points within the grouping are shown in the parenthesis.

(2) The FINs of the sources within the grouping are shown in the parenthesis.

(3) VOC - volatile organic compounds as defined in 30 Texas Administrative Code §101.1

Exempt Solvent - carbon compounds excluded from definition of VOC

Inorganics - includes acids, bases and particulate matter

POC - products of combustion including oxides of nitrogen, carbon monoxide, sulphur dioxide, non-methane VOC, and particulate matter

(4) Emission rates are the sum of those from the emission points and sources within the groupings.

Dated\_\_\_\_\_