

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 41451

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 for a rolling 12 consecutive months.

## AIR CONTAMINANTS DATA

Emission Point Grouping No. (1)	Source Grouping Name (2)	Air Contaminant Name (3)	Emission Rates (4)	
			lb/hr	TPY

### Research West Building

01 (89, 90, 92, 92A, 92B, 93, and RWFUG)	Reswest (RWFPA and RWMISC) Inorganics	VOC	8.72	9.14
		Exempt Solvent	5.20	7.07
		0.61	1.43	
		VOC (5)	<0.01	<0.01
		PM (5)	<0.01	<0.01
		NO <sub>x</sub> <0.01	<0.01	
		CO <0.01	<0.01	
		SO <sub>2</sub> <0.01	<0.01	

### Semiconductor Building

02 (5, 5B, 12A, 12B, and 233A)	S/C (SCFPA)	VOC	19.89	20.27
		Exempt Solvent	1.39	2.17
		Inorganics	3.51	4.77
03 (SCST)	S/C Waste Solvent Tank (SCST)	VOC	0.03	0.11
		Exempt Solvent	<0.01	0.03

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- (1) Emission points within the grouping are shown in the parenthesis.
- (2) The Facility Identification Numbers of the sources within the grouping are shown in the parenthesis.
- (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1  
(30 TAC § 101.1).  
Exempt Solvent - carbon compounds as defined in 30 TAC § 101.1 (excluded from definition of VOC).  
Inorganics - includes acids, bases and particulate matter.  
PM - particulate matter, suspended in the atmosphere, including PM<sub>10</sub>  
PM<sub>10</sub> - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no PM greater than 10 microns is emitted.  
NO<sub>x</sub> - oxides of nitrogen.  
SO<sub>2</sub> - sulphur dioxide.  
CO - carbon monoxide
- (4) Emission rates are the sum of those from the emission points and sources within the groupings.
- (5) Products of combustion only.

Dated July 26, 2007