

## Emission Sources - Maximum Allowable Emission Rates

Permit Number 41451

This table lists the maximum allowable emission rates and all sources of air contaminants 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, sources, and related activities. 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 (FIN)	Air Contaminant Name (2)	Emission Rates	
			lbs/hour	TPY (3)
01 (89, 90, 92B, 93, and RWFUG)	Research West Building Exhausted Operations (RWFPA) and Research West Building Operations Fugitive Emissions (RWMISC)	VOC	8.72	9.14
		Exempt Solvent	5.20	7.07
		PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
		Inorganic Compounds	0.56	1.29
02 (5, 5B, 12A, 12B, and 233A)	Semiconductor Building Operations (SCFPA)	VOC	19.89	20.27
		Exempt Solvent	1.39	2.17
		PM	<0.01	0.02
		PM <sub>10</sub>	<0.01	0.02
		PM <sub>2.5</sub>	<0.01	0.02
		Inorganic Compounds	3.45	4.27
SCST	Waste Solvent Tank (SCST)	VOC	0.03	0.11
		Exempt Solvent	<0.01	0.03

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Emission Point No. (1)	Source Name (FIN)	Air Contaminant Name (2)	Emission Rates	
			lbs/hour	TPY (3)
RWGEN	Emergency Generator (RWGEN)	VOC	<0.01	<0.01
		PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<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
01, 02, SCST, and RWGEN	All Sources	Single HAP		<10.00
		All HAP		<25.00

(1) Emission point identification - either a single emission point or a grouping of emission points

(FIN) - Facility Identification Number

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

Exempt Solvent - Those carbon compounds or mixtures of carbon compounds used as solvents which have been excluded from the definition of volatile organic compound.

PM - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>

PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>

PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter

Inorganic Compounds - acids and bases

NO<sub>x</sub> - total oxides of nitrogen

CO - carbon monoxide

SO<sub>2</sub> - sulfur dioxide

HAP - hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C

(3) Rate is for a rolling 12 consecutive months.

Date: October 17, 2012