

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (2)	Source Name (FIN)	Air Contaminant Name (1)	<u>Emission Rates</u>	
			lb/hr	TPY

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Permit Number 16786

The total emissions of air contaminants from any of the sources listed on this table shall not exceed the stated values.

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Emission Point Grouping (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates</u>	
			lb/hr	TPY (4)
SOUTH, SCOR, S204207, S109110, SBVOC, and SBST	South Fab	VOC		
		Exempt VOC		
		PM		
		GIC	7.73	22.08
		CO		
		NO <sub>x</sub>		
		VOC (5)		
		PM (5)		
		NO <sub>x</sub> (5)		
		CO (5)		
		SO <sub>2</sub> (5)		
Dallas	Dallas Support Building	VOC	0.36	0.93
		Exempt VOC	0.25	1.10
		GIC	<0.01	<0.01
Facility	Facilities Building	VOC	0.69	2.11
		Exempt VOC	0.10	0.42
		GIC	0.13	0.28
TIME	Time Building	VOC	1.06	2.30
		GIC	0.15	0.34
D4AC, D4AM,	DMOS5N Fab	VOC		

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			lb/hr	TPY
(2)				
D4GEN, D4ST, and D4VOC		Exempt VOC		
		PM	0.94	3.04
		GIC	4.31	17.04
		CO	0.38	1.68
		NO <sub>x</sub>	0.05	0.22
		VOC (5)		
		PM (5)	0.04	0.14
		NO <sub>x</sub> (5)	2.32	10.14
		CO (5)	2.77	12.11
		SO <sub>2</sub> (5)	0.01	0.02
CUP	Central Utility Plant	VOC	1.00	4.38
		Exempt VOC	4.95	13.02
		GIC	<0.01	<0.01
		VOC (5)	1.93	8.21
		PM (5)	7.64	12.88
		NO <sub>x</sub> (5)	41.00	104.05
		CO (5)	12.69	55.53
		SO <sub>2</sub> (5)	3.14	1.36
CGB(CGB1, CGB2, and CGB3) <sup>7</sup>	FIN: CGB Chiller Engines	VOC	1.03	4.50
		NO <sub>x</sub>	0.93	4.08
		SO <sub>2</sub>	0.03	0.12
		PM	1.31	5.74
		CO	4.14	18.12
Solvent (213)	Solvent Building	VOC	4.68	7.62
		Exempt VOC	4.73	10.79
		Inorganics	<0.01	0.01
		POC	<0.01	<0.01
D5COR (208 <sup>11</sup> , 209 <sup>3</sup> , 219 <sup>3</sup> , and 220 <sup>13</sup> )	DMOS 5 Building	Exempt VOC	3.70	6.00
		Inorganics	1.97	6.63
		POC	<0.01	<0.01
D5VOC (210 <sup>8</sup> )	DMOS 4 and DMOS 5	VOC	4.20	12.55

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			lb/hr	TPY
(2)				
and 218 <sup>8)</sup>	Buildings	Exempt VOC	0.67	2.46
		Inorganics	0.16	0.40
		VOC (5)	0.04	0.16
		PM	0.08	0.34
		NO <sub>x</sub>	7.49	32.81
		CO	6.08	26.63
		SO <sub>2</sub>	<0.01	0.02
D6COR (222 <sup>3)</sup> and 223 <sup>3)</sup>	FIN: D6COR DMOS 6 Building	Exempt VOC	0.20	0.48
		Inorganics	3.68	14.44
		POC	1.20	5.26

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(2)			lb/hr	TPY
D6AM ( 224 <sup>13</sup> )	FIN: D6AM DMOS 6 Building	Inorganics	1.55	3.40
D6VOC (221 <sup>9</sup> )	FIN: D6VOC DMOS 6 Building	VOC	1.00	4.39
		Exempt VOC	0.29	0.46
		VOC (5)	0.02	0.10
		PM	0.04	0.16
		NO <sub>x</sub>	1.80	7.88
		CO	2.19	9.60
		SO <sub>2</sub>	<0.01	0.01
RD1COR (226 <sup>4</sup> and 234 <sup>12</sup> )	Kilby Center	Exempt VOC	1.71	3.74
		Inorganics	1.29	3.23
		POC 0.70	3.05	
RD1VOC (225 <sup>8</sup> )	Kilby Center and South Building	VOC	6.35	12.95
		Exempt VOC	5.71	13.11
		Inorganics	0.25	0.52
		VOC (5)	0.05	0.21
		PM	0.08	0.34
		NO <sub>x</sub>	5.87	25.78
		CO	4.78	20.92
		SO <sub>2</sub>	0.05	0.20
EBGEN (DM4GEN and DM5GEN)	DMOS 4 and DMOS 5 Buildings	VOC	1.14	5.00
SBST (SBST1 and SBST2)	South Building	VOC	0.32	1.59
		Exempt VOC	0.02	0.07
EBST (D4ST1, D4ST2, D4ST3, and D4ST4)	FIN: EBST DMOS 4 Building	VOC	1.01	4.44
		Exempt VOC	0.04	0.18

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			lb/hr	TPY

(2)

- (1) Emission points within groupings are shown in parenthesis.
- (2) Sources may operate 8,760 hours per year
- (3) VOC - volatile organic compounds as defined in 30 Texas Administrative Code (TAC) Section 101.1  
 Exempt VOC - organic compounds specifically excluded in the definition of VOC in 30 TAC Section 101.1  
 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> - nitrogen oxides  
 SO<sub>2</sub> - sulfur dioxide  
 CO - carbon monoxide  
 POC - products of combustion including NO<sub>x</sub>, SO<sub>2</sub>, CO, VOC, and PM  
 Inorganics - acids and caustics
- (4) Fugitive (horizontal exhaust) emissions
- (5) Combustion product

### Superscripts

- <sup>1</sup> One caustic scrubber
- <sup>2</sup> Four caustic scrubbers
- <sup>3</sup> Four acid scrubbers
- <sup>4</sup> Five acid scrubbers
- <sup>5</sup> Six acid scrubbers
- <sup>6</sup> One acid scrubber
- <sup>7</sup> SCONO<sub>x</sub><sup>TM</sup>
- <sup>8</sup> One thermal oxidizer
- <sup>9</sup> Three thermal oxidizers with rotary concentrators
- <sup>10</sup> One thermal oxidizer with rotary concentrator
- <sup>11</sup> Two acid scrubbers
- <sup>12</sup> Two caustic scrubbers
- <sup>13</sup> Three caustic scrubbers

Dated \_\_\_\_\_