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The total emissions of air contaminants from any of the sources listed on this table shall not exceed the stated values. 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 sources. The annual emission rates are based on a rolling 12-month period.

Emission	Source	Air	Contaminant	<u>Emissio</u>	n Rates
<u>Point No. (1)</u>	Name (2)		Name (3)	lb/hr	TPY
1	South (South Buildi	ng VO	Non-VOC Acid/Base	15.80 5.50 0.29	35.12 12.22 0.71
		PM SO _X	Reactant Gas 0.32 IOFC Other IOFC <0.01	0.06 0.80 <0.01 0.02 <0.01	0.13 0.02 0.06
2	S28AB (South Buildin Scrubbers)	ng S0 _x	VOC Non-VOC Acid/Base Reactant Gas PM <0.01	0.89 0.14 0.57 0.47 0.80 0.02	3.54 0.57 1.51 1.03 3.15
		/	IOFC Other IOFC	0.07 0.14	0.27 0.54
3	S28C (South Building	g)	VOC Non-VOC Acid/Base Reactant Gas PM	6.00 4.89 0.24 <0.01 0.55	13.32 10.85 0.52 0.02 1.20
	POC		0.25 IOFC Other IOFC	1.08 0.04 <0.01	0.02 <0.01
4	S204207 (South Build Scrubber)	PM	Non-VOC Reactant Gas 1.15 <0.01	0.02 <0.01 4.00 <0.01	0.08 <0.01

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EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Emission	Source	Air Contaminant	<u>Emission</u>	Rates
<u>*</u>				
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY

${\tt EMISSION} \ \ {\tt SOURCES} \ \ {\tt -} \ \ {\tt MAXIMUM} \ \ {\tt ALLOWABLE} \ \ {\tt EMISSION} \ \ {\tt RATES}$

Emission *	Source	Air Contaminant	<u>Emissi</u>	on Rates
Point No. (1)	Name (2)	Name (3)	1b/hr	<u>TPY</u>
5	S109110 (South Build Boilers)	ing Non-VOC PM POC	0.09 0.05 2.34	0.20 0.11 10.23
6	S217 (South Building Scrubbers)	VOC Non-VOC Acid/Base Reactant Gas PM POC IOFC Other IOFC	2.64 0.95 1.35 0.20 1.45 0.30 0.71 0.22	9.11 2.30 3.91 0.44 3.89 0.54 0.71 0.88
7	S55 (South Building General Exhaust)	VOC Non-VOC	3.96 3.45	8.80 7.65
8	SEPI (South Building EPI Reactors and Scrubb	•	0.03	0.12
9	Floyd (Floyd Buildin VOCs and Acids)	g VOC Non-VOC Acid/Base Reactant Gas PM POC	0.61 3.36 <0.01 <0.01 0.01 <0.01	1.57 7.46 0.02 0.02 0.03 <0.01
10	QTZ (Quartz Shop)	IOFC	0.14	0.54
11	Security (Security B VOCs and Acids)	uildingVOC Non-VOC Acid/Base IOFC	0.93 1.07 0.14 0.02	2.06 2.38 0.31 0.05
12	Time (Cooling Water Chiller)	VOC Non-VOC	1.00 9.01	2.21 20.01

Emission	Source	Air	Contaminant	<u>Emissic</u>	n Rates
<u>*</u> <u>Point No. (1)</u>	Name (2)		Name (3)		TPY
		PM	Acid/Base POC <0.01	0.15 0.31 <0.01	0.54 0.69
13	Reswest (Research West Building VOCs and Acids)	IOFC	VOC Non-VOC Acid/Base Reactant Gas PM POC 0.09	5.90 5.20 1.08 0.04 0.23 <0.01 0.36	11.18 12.26 2.41 0.08 0.51 <0.01
14	Chem (Chemical Build Acids and Bases)	ding	VOC Non-VOC Acid/Base PM POC IOFC	0.10 <0.01 1.71 <0.01 <0.01 0.10	0.22 <0.01 3.90 0.02 <0.01 0.11
15	North (North Buildir Acids and Bases)	ng	VOC Non-VOC Acid/Base Reactant Gas PM POC IOFC	0.35 0.25 0.22 <0.01 0.02 0.08 0.02	0.72 0.54 0.49 <0.01 0.03 0.16 0.03
16	NorthFug (North Buil VOCs)	lding	VOC Non-VOC Acid/Base IOFC	3.39 2.52 0.05 <0.01	3.00 5.60 0.10 <0.01
17	N215216 (North Build VOCs)	ding	VOC Non-VOC Acid/Base	8.78 4.87 0.05	33.01 10.83 0.10

Emission <u>*</u>	Source	Air Contaminant	<u>Emissio</u>	n Rates
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
		IOFC	<0.01	<0.01

Emission	Source	Air Contaminant	<u>Emissio</u>	n Rates
<u>*</u>				
<u>Point No. (1</u>	.) Name (2)	Name (3)	<u>lb/hr</u>	<u>TPY</u>
18	D4AC (DMOS-IV Acids)	VOC Acid/Base Reactant Gas PM	1.47 0.96 0.24 0.43	5.88 2.56 0.52 0.96
		POC IOFC Other IOFC	<0.01 0.76 0.40	<0.01 2.83 1.59
19	D4AM (DMOS-IV Bases)	Acid/Base	0.23	0.51
20	East51E (DMOS-IV Chemical Dock)	emergency releas	e only	
21	S/C (Semiconductor Building VOCs and Acids)	VOC Non-VOC Acid/Base Reactant Gas PM POC IOFC Other IOFC	8.49 6.80 1.69 0.05 1.00 0.02 0.06 <0.01	15.08 15.10 3.75 0.12 2.22 0.04 0.14 <0.01
22	Reseast (Research Ea Building VOCs and		1.53 0.76 0.38 0.52 0.02 0.21 0.03 0.05	3.47 1.72 0.85 1.16 0.03 0.46 0.08 0.10

Emission	Source	Air Contaminant	<u>Emissic</u>	on Rates
<u>*</u> Point No.	(1) Name (2)	Name (3)	lb/hr	TPY
23	Cup (Central Ut Exhaust and Ch	cility Plant VOC nillers) Non-VOC Acid/Base PM IOFC	4.84 22.72 <0.01 0.69 <0.01	9.14 48.05 0.02 1.50 <0.01
23	Cup (Central Ut Plant Boilers)	VOC NOx79.20 SOx6.85 PM CO	12.50 168.10 14.50 13.65 19.85	54.75 28.59 88.10
24	Cup 40E (Centra Utility Plant Emergency Exh	:	ise only	
25	Solvent (Solver VOCs)	nt Building VOC Non-VOC Acid/Base PM POC	5.12 4.17 <0.01 0.02 <0.01	8.72 9.25 0.02 0.03 <0.01
26	D5COR (DMOS-V Acid and Base	VOC e Scrubbers) Non-VOC Acid/Base Reactant Gas NOx <0.01 IOFC Other IOFC	0.09 0.04 0.84 <0.01 <0.01 0.31 0.28	0.28 0.11 2.77 0.03 1.22 0.03

Emission *	Source	Air	Contaminant	<u>Emissic</u>	n Rates
<u>*</u> <u>Point No. (1)</u>	Name (2)		Name (3)	lb/hr	TPY
27	D5VOC (DMOS-V		VOC	7.36	21.53
	VOCs and Oxidizer)	Non-VOC	1.15	4.22
			Acid/Base	0.23	0.57
			Reactant Gas	>0.01	0.02
			PM	0.12	0.24
		POC	0.43	1.85	
			IOFC	0.08	0.24
			Other IOFC	<0.01	<0.01
28	D6COR (DMOS-VI		VOC	0.39	0.49
	Acid and Base Scrubbers	s)	$NO_{x}1.20$	5.26	
			/Base	2.32	5.08
			0.52	2.26	
		0the	r IOFC	2.40	10.52
29	D6VOC (DMOS-VI		VOC	2.03	4.40
-	VOCs and Oxidizer)		Non-VOC	0.11	0.46
	voes and oxidizery		POC	0.25	1.08
30	RDICOR (R&D-I		VOC	1.71	3.74
	Acid and Base Scrubbers	s)	NO _x 0.70	3.05	J. / T
	Acid/Base	3)	1.28	2.77	
	ACTU/ Base	TOFC	0.02	0.07	
		101 0	0.02	0.07	
31	RDIVOC (R&D-I		VOC	0.28	0.71
	VOCs and Oxidizer)		Non-VOC	0.11	0.46
		POC	0.18	0.78	

⁽¹⁾ These are groupings of similar stacks as listed in the source grouping parameter table listed in Attachment 1. The emissions are the sum of the stacks in each source grouping.

⁽²⁾ Specific point source name. For fugitive sources use area name or fugitive source name.

(3)	VOC	-vol:	atile organ	ic compoun	de ae dof	inod
` '		- 7016	itile organ	re compound	us as uei	meu
in General R		161 77				_
Non-VOC	compounds	specifically				
		volatile (organic com	pounds as	define	d in
		General Ru	ule 101.1			
PM	- particulat	e matter				
POC	•	of combustion i	ncludina NC) _x . CO. SO _x .	VOC. and	PM
	•	-sili			•	and
		oounds of gases			-	ana
IIIO I C	•		, dioups III	LD, IVD, all	u	
50	VB eleme					
,,	- sulfur did					
NO_X	- nitrogen d	xides				
CO	- carbon mor	ıoxide				
Acid/Base	- organic or	[·] inorganic pol	ar acids or	' bases		
IOFC		fluoride compo			-	
	C -	=	and SF_6	. III 5 and 31	0	
Other 101	C –	ivi 3 a	,110 JI 6			
* Emission	rates are b	ased on and t	he facilit:	ies are li	imited by	the
fol ⁻	lowing maximur	n operating sch	nedule:		-	

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

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EMISSION	SOURCES	_	MAXTMIM	ALLOWABLE	EMISSION	RATES
FILITOOTOM	JUUNCLJ		LICANTILIO		LIJULITUM	$IV \land I \vdash J$

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