Permit No. 5261

This table lists the maximum allowable emission rates and all sources of air contaminants on the applicant's property 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. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

PHASE 1 - AIR CONTAMINANTS

DATA

Emission *	Source	Air Contaminant	<u>Emissi</u>	on Rates
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
0-03	Waste Solvent Tank	VOC Non-VOC	<0.01 <0.01	0.01 <0.01
0-05	Technical Building Diesel Tank	VOC	<0.01	<0.01
0-06	Site Diesel Tank	VOC	<0.01	0.02
0-07	Site Gasoline Tank	VOC	0.02	0.09
0-09	West Building Hydro 0.01 Tank	chloric	Acid	<0.01
1-03, 1-05, 1-11, 1-14, 1-15, 1-17, and 1-21	East Building Genera Exhaust Stacks	al VOC Non-VOC	3.84 0.20	16.82 0.88
1-09, 1-12, 1-13, 1-16, 1-18, and 1-19		bed Acid Inorganic Gas VOC Non-VOC PM NO _x	1.40 0.10 0.23 0.71 0.27 1.17	6.11 0.44 1.00 3.10 1.15 5.08
1-31	East Building Boile	r PM	0.02	0.05

Emission	Source	Air Contaminant	Emission	Rates *
Point No. (1)	Name (2)	Name (3)	lb/hr	<u>TPY</u>
		VOC SO ₂ NO _x CO	0.02 <0.01 0.23 0.05	0.06 0.01 0.99 0.20
1-32	East Building Boiler	PM VOC SO ₂ NO _x CO	0.02 0.02 <0.01 0.23 0.05	0.05 0.06 0.01 1.00 0.20
1-51	East Building Thermal	Oxidizer	PM	0.03
	0.12 Combustion Emissions	VOC SO ₂ NO _x CO	0.02 <0.01 0.75 0.19	0.07 0.02 3.26 0.82
1-51	East Building Thermal Oxidizer Stack	VOC Non-VOC	4.69 0.14	20.53 0.59
1-51A	East Building Thermal Oxidizer Bypass Stac	VOC k Non-VOC	47.43 1.36	7.97 0.23
2-01 and 2-02	North Addition General Exhaust	VOC Non-VOC	1.97 4.52	8.61 19.77
3-04	South Building Chemica Finish Exhaust	al Acid PM	0.21 0.01	0.92 0.05
3-06	South Building High Volume Coating Cure 0.04	PM Oven	0.01 VOC	0.03 0.01
		SO_2 NO_x CO	<0.01 0.14 0.03	<0.01 0.60 0.12

Emission	Source	Air Contaminant	<u>Emissio</u>	n Rates *
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
3-13	South Building Boiler	PM	0.01	0.03
		VOC	0.01	0.03
		SO ₂	<0.01	<0.01
		NO_x	0.13	0.56
		CO	0.03	0.12
3-15	South Building Heater	PM	0.01	0.04
	3	VOC	0.01	0.04
		SO ₂	<0.01	<0.01
		NO_{x}	0.16	0.69
		CO	0.04	0.14
2.46	6 1 8 3 1	514	0.01	0.00
3-16	South Building Heater		0.01	0.03
		VOC	0.01	0.03
		SO ₂	<0.01	<0.01
		NO _×	0.12	0.52
		CO	0.03	0.11
3-17	South Building Heater	PM	0.01	0.03
	3	VOC	0.01	0.03
		SO ₂	<0.01	<0.01
		NO_{x}^{-}	0.13	0.54
		CO	0.03	0.11
2 10	Court Duilding Hoore	. DM	0.02	0.05
3-18	South Building Heater		0.02	0.05
		VOC	0.02	0.05
		SO ₂	<0.01	0.01
		NO _x	0.22	0.95
		CO	0.05	0.19
3-19A, 3-19B,	South Building Coatin	g PM	0.02	0.07
3-19C, and	Cure Ovens	VOC	0.02	0.07
3-19D		SO ₂	<0.01	0.01
		NO_x	0.30	1.28

AIR CONTAMINANTS DATA

Emission	Source	Air Contaminant	Emissior	n Rates *
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
		CO	0.06	0.26
3-28	South Building High Temperature Oven	PM VOC SO ₂ NO _x CO	<0.01 <0.01 <0.01 0.03 0.01	0.01 0.01 <0.01 0.14 0.03
6-01	Technical Building Boron Tribromide Ex 0.27	J		0.12 0.06
		VOC Non-VOC	0.05 0.02	0.19 0.08
6-02A and 6-02B	Technical Building TI-Kote Exhausts	PM Acid Inorganic Gas	0.23 0.15 0.05	1.00 0.65 0.19

PHASE 2 - AIR CONTAMINANTS DATA

Emission <u>*</u>	Source	Air Contaminant	<u>Emissic</u>	on Rates
Point No. (1)	Name (2)	Name (3)	lb/hr	<u>TPY</u>
0-03	Waste Solvent Tank	VOC Non-VOC	<0.01 <0.01	0.01 <0.01
0-05	Technical Building Diesel Tank	VOC	<0.01	<0.01
0-06	Site Diesel Tank	VOC	<0.01	0.02
0-07	Site Gasoline Tank	VOC	0.02	0.09

Emission	Source	Air Contaminant	Emissio	n Rates *
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
0-09	West Building Hydroch Tank	loricAcid	<0.01	0.01
1-03, 1-05, 1-11, 1-14, 1-15, 1-17, and 1-21	East Building General Exhaust Stacks	VOC Non-VOC	3.84 0.20	16.82 0.88
1-19	Acid Scrubbed Exhaust	StackAcid Inorganic Gas VOC Non-VOC PM NO _x 1.17	1.40 0.10 0.23 0.71 0.27 5.08	6.11 0.44 1.00 3.10 1.15
1-31	East Building Boiler	PM VOC SO ₂ <0.01 NO _x 0.23 CO	0.02 0.02 0.01 0.99 0.05	0.05 0.06
1-32	East Building Boiler	PM VOC SO ₂ NO _x CO	0.02 0.02 <0.01 0.23 0.05	0.05 0.06 0.01 1.00 0.20
1-51	East Building Thermal 0.12		PM	0.03
	Combustion Emissions	S VOC SO ₂	0.02 <0.01	0.07 0.02

Emission	Source A	ir Contaminant	<u>Emissio</u>	n Rates *
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
		NO _x CO	0.75 0.19	3.26 0.82
1-51	East Building Thermal Oxidizer Stack	VOC Non-VOC	4.69 0.14	20.53 0.59
1-51A	East Building Thermal Oxidizer Bypass Stack	VOC Non-VOC	47.43 1.36	7.97 0.23
2-01 and 2-02	North Addition General Exhaust	VOC Non-VOC	1.97 4.52	8.61 19.77
3-04	South Building Chemical Finish Exhaust	Acid PM	0.21 0.01	0.92 0.05
3-06	South Building High Volume Coating Cure 0 0.04	PM ven	0.01 VOC	0.03 0.01
		SO ₂ NO _x CO	<0.01 0.14 0.03	<0.01 0.60 0.12
3-13	South Building Boiler	PM VOC SO ₂ NO _x CO	0.01 0.01 <0.01 0.13 0.03	0.03 0.03 <0.01 0.56 0.12
3-15	South Building Heater	PM VOC SO ₂ NO _x CO	0.01 0.01 <0.01 0.16 0.04	0.04 0.04 <0.01 0.69 0.14
3-16	South Building Heater	PM	0.01	0.03

Emission	Source	Air Contaminant	Emission	n Rates *
Point No. (1)	Name (2)	Name (3)	lb/hr	<u>TPY</u>
		VOC SO ₂ NO _x CO	0.01 <0.01 0.12 0.03	0.03 <0.01 0.52 0.11
3-17	South Building Heater	PM VOC SO ₂ NO _x CO	0.01 0.01 <0.01 0.13 0.03	0.03 0.03 <0.01 0.54 0.11
3-18	South Building Heater	PM VOC SO ₂ NO _x CO	0.02 0.02 <0.01 0.22 0.05	0.05 0.05 0.01 0.95 0.19
3-19A, 3-19B, 3-19C, and 3-19D	South Building Coating Cure Ovens	g PM VOC SO ₂ NO _x CO	0.02 0.02 <0.01 0.30 0.06	0.07 0.07 0.01 1.28 0.26
3-28	South Building High Temperature Oven	PM VOC SO ₂ NO _x CO	<0.01 <0.01 <0.01 0.03 0.01	0.01 0.01 <0.01 0.14 0.03
6-01	Technical Building Boron Tribromide Ext 0.27	VOC	0.05	0.12 0.06 0.19
		Non-VOC	0.02	0.08

Emission	Source	Air Contaminant	Emission	
Point No. (1)	Name (2)	Name (3)	<u>lb/hr</u>	<u>TPY</u>
6-02A and 6-02B	Technical Building TI-KOTE Exhausts	PM Acid Inorganic Gas	0.23 0.15 0.05	1.00 0.65 0.19
			PHASE	3 - AIR
CONTAMINANTS DAT	Ā			
Emission *	Source	Air Contaminant	<u>Emissic</u>	on Rates
Point No. (1)	Name (2)	Name (3)	1b/hr	<u>TPY</u>
0-03	Waste Solvent Tank	VOC Non-VOC	<0.01 <0.01	0.01 <0.01
0-05	Technical Building Diesel Tank	VOC	<0.01	<0.01
0-06	Site Diesel Tank	VOC	<0.01	0.02
0-07	Site Gasoline Tank	VOC	0.02	0.09
0-09	West Building Hydrod 0.01 Tank	hloric	Acid	<0.01
	East Building Genera Exhaust Stacks	Non-VOC	3.84 0.20	16.82 0.88
1-19	Acid Scrubbed Exhaus 6.11	t Stack	Acid	1.40

Emission	Source	Air Contaminant	Emission	Rates *
Point No. (1)	Name (2)	Name (3)	lb/hr	<u>TPY</u>
		Inorganic Gas VOC Non-VOC PM NO _x	0.10 0.23 0.71 0.27 1.17	0.44 1.00 3.10 1.15 5.08
1-20	Caustic Scrubbed Exha 3.28	ust Stack Cau	stic	0.75
1-31	East Building Boiler	PM VOC SO ₂ NO _x CO	0.02 0.02 <0.01 0.23 0.05	0.05 0.06 0.01 0.99 0.20
1-32	East Building Boiler	PM VOC SO ₂ NO _x CO	0.02 0.02 <0.01 0.23 0.05	0.05 0.06 0.01 1.00 0.20
1-51	East Building Thermal 0.12 Combustion Emission		PM 0.02 <0.01 0.75 0.19	0.03 0.07 0.02 3.26 0.82
1-51	East Building Thermal Oxidizer Stack	VOC Non-VOC	4.69 0.14	20.53 0.59
1-51A	East Building Thermal Oxidizer Bypass Sta	VOC ck Non-VOC	47.43 1.36	7.97 0.23
2-01 and 2-02	North Addition Genera Exhaust	1 VOC Non-VOC	1.97 4.52	8.61 19.77

Emission	Source	Air Contaminant	<u>Emissio</u>	n Rates *
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
3-04	South Building Chemica	al Acid	0.21	0.92
	Finish Exhaust	PM	0.01	0.05
3-06	South Building High	PM	0.01	0.03
	Volume Coating Cure 0.04	Oven	VOC	0.01
		SO_2	<0.01	<0.01
		NO_x	0.14	0.60
		CO	0.03	0.12
3-13	South Building Boiler	PM	0.01	0.03
	_	VOC	0.01	0.03
		SO_2	<0.01	<0.01
		NO_x	0.13	0.56
		CO	0.03	0.12
3-15	South Building Heater	PM	0.01	0.04
		VOC	0.01	0.04
		SO_2	<0.01	<0.01
		NO_x	0.16	0.69
		CO	0.04	0.14
3-16	South Building Heater	PM	0.01	0.03
		VOC	0.01	0.03
		SO_2	<0.01	<0.01
		NO_x	0.12	0.52
		CO	0.03	0.11
2 17	Courb Duilding Hoston	DM	0 01	0.03
3-17	South Building Heater	PM VOC	0.01	0.03
			0.01	0.03 <0.01
		SO_2 NO_x	<0.01 0.13	<0.01 0.54
		NO _x CO	0.13	$0.34 \\ 0.11$
		CO	0.05	0.11

Emission	Source	Air Contaminant	Emission	n Rates *
Point No. (1)	Name (2)	Name (3)	lb/hr	<u>TPY</u>
3-18	South Building Heater	PM VOC SO ₂ NO _x CO	0.02 0.02 <0.01 0.22 0.05	0.05 0.05 0.01 0.95 0.19
3-19A, 3-19B, 3-19C, and 3-19D	South Building Coating Cure Ovens	PM VOC SO_2 NO_x CO	0.02 0.02 <0.01 0.30 0.06	0.07 0.07 0.01 1.28 0.26
3-28	South Building High Temperature Oven	PM VOC SO_2 NO_x CO	<0.01 <0.01 <0.01 0.03 0.01	0.01 0.01 <0.01 0.14 0.03
	Technical Building Boron Tribromide Exh 0.27	3		0.12 0.06
		VOC Non-VOC	0.05 0.02	0.19 0.08
6-02A and 6-02B	Technical Building TI-KOTE Exhausts	PM Acid Inorganic Gas	0.23 0.15 0.05	1.00 0.65 0.19

0-03	Waste Solvent Tank	V0C	<0.01	0.01

Emission	Source	Air Contaminant	Emission Rates *	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
		Non-VOC	<0.01	<0.01
0-05	Technical Building Diesel Tank	VOC	<0.01	<0.01
0-06	Site Diesel Tank	VOC	<0.01	0.02
0-07	Site Gasoline Tank	VOC	0.02	0.09
0-09	West Building Hydrochl 0.01 Tank	loric	Acid	<0.01
1-19	Acid Scrubbed Exhaust 6.11	Stack	Acid	1.40
		Inorganic Gas VOC Non-VOC PM NO _x	0.10 0.23 0.71 0.27 1.17	0.44 1.00 3.10 1.15 5.08
1-20	Caustic Scrubbed Exhau	ıst Stack Ca	austic	0.75
1-21	East Building General Exhaust Stack	VOC Non-VOC	3.84 0.20	16.82 0.88
1-31	East Building Boiler	PM VOC SO ₂ NO _x CO	0.02 0.02 <0.01 0.23 0.05	0.05 0.06 0.01 0.99 0.20

Emission	Source	Air Contaminant	Emission Rates *		
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY	
1-32	East Building Boiler	PM	0.02	0.05	
	3	VOC	0.02	0.06	
		SO_2	<0.01	0.01	
		NO_x	0.23	1.00	
		CO	0.05	0.20	
1-51	East Building Thermal Oxidizer 0.12		PM	0.03	
	Combustion Emissions	s VOC	0.02	0.07	
		SO_2	<0.01	0.02	
		NO_x	0.75	3.26	
		CO	0.19	0.82	
1-51	East Building Thermal 0.12	Oxidizer	PM	0.03	
	Combustion Emissions	s VOC	0.02	0.07	
		SO_2	<0.01	0.02	
		NO_x	0.75	3.26	
		CO	0.19	0.82	
1-51	East Building Thermal	VOC	4.69	20.53	
	Oxidizer Stack	Non-VOC	0.14	0.59	
1-51A	East Building Thermal	VOC	47.43	7.97	
	Oxidizer Bypass Stac	ck Non-VOC	1.36	0.23	
2-01 and 2-02	North Addition General		1.97	8.61	
	Exhaust	Non-VOC	4.52	19.77	
2 04	Courth Building Chamin	.7	0.21	0.00	
3-04	South Building Chemica		0.21	0.92	
	Finish Exhaust	PM	0.01	0.05	
3-06	South Building High	PM	0.01	0.03	
J 00	Volume Coating Cure		VOC	0.03	
	0.04	OVCII	VOC	0.01	
	0.01				

Emission	Source	Air Contaminant	Emission Rates *	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
		SO_2 NO_x CO	<0.01 0.14 0.03	<0.01 0.60 0.12
3-13	South Building Boiler	PM VOC SO ₂ NO _x CO	0.01 0.01 <0.01 0.13 0.03	0.03 0.03 <0.01 0.56 0.12
3-15	South Building Heater	$\begin{array}{c} PM \\ VOC \\ SO_2 \\ NO_x \\ CO \end{array}$	0.01 0.01 <0.01 0.16 0.04	0.04 0.04 <0.01 0.69 0.14
3-16	South Building Heater	$\begin{array}{c} PM \\ VOC \\ SO_2 \\ NO_x \\ CO \end{array}$	0.01 0.01 <0.01 0.12 0.03	0.03 0.03 <0.01 0.52 0.11
3-17	South Building Heater	$\begin{array}{c} PM \\ VOC \\ SO_2 \\ NO_x \\ CO \end{array}$	0.01 0.01 <0.01 0.13 0.03	0.03 0.03 <0.01 0.54 0.11
3-18	South Building Heater	PM VOC SO ₂ NO _x CO	0.02 0.02 <0.01 0.22 0.05	0.05 0.05 0.01 0.95 0.19
3-19A, 3-19B,	South Building Coatin	g PM	0.02	0.07

AIR CONTAMINANTS DATA

Emission	Source	Air Contaminant	Emission Rates *	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
3-19C, and 3-19D	Cure Ovens	VOC SO ₂ NO _x CO	0.02 <0.01 0.30 0.06	0.07 0.01 1.28 0.26
3-28	South Building High Temperature Oven	PM VOC SO ₂ NO _x CO	<0.01 <0.01 <0.01 0.03 0.01	0.01 0.01 <0.01 0.14 0.03
6-01	Technical Building Boron Tribromide Exh 0.27	Acid naust Inorganic VOC Non-VOC	0.03 Gas 0.05 0.02	0.12 0.06 0.19 0.08
6-02A and 6-02B	Technical Building TI-KOTE Exhausts	PM Acid Inorganic Gas	0.23 0.15 0.05	1.00 0.65 0.19

⁽¹⁾ Emission point identification - either specific equipment designation or emission point number from plot plan.

(3) PM - particulate matter

VOC - volatile organic compounds as defined in General Rule 101.1

Non-VOC - non-volatile organic compounds

 NO_x - total oxides of nitrogen

SO₂ - sulfur dioxide CO - carbon monoxide

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

^{*} Emission rates are based on and the facilities are limited by the following maximum operating schedule:

Emission	Source		A	Air Contaminant		Emission Rates *			
Point No. (1)	N	ame (2)			Name (3)		lb/hr	TPY	
24	Hrs/day	_7	Days/week	_52	Weeks/year	or <u>8</u>	760	Hrs/year	
						Dated			