EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 20162

This table lists the maximum allowable emission rates and all sources of air contaminants on the applicant's property covered by this permit.

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr	TPY	(4)
		AIR CONTAMINANTS DATA			
E-AN-A1 and 2	Building A	Inorganics	8.35	16.97	
E-AS-A1, 2, and 3	(Wet Scrubbers)	VOC	2.13	9.31	
E-BR-1		Exempt solvent	4.28	15.44	
		PM 1.25	5.50		
		Ozone	3.28	14.36	
E-AS-AMM	Ammonia Scrubber	Inorganics	3.64	1.87	
		PM 0.25	1.10		
E-AS-S1	Rotor Concentrator/	VOC	87.69	33.88	
	Thermal Oxidizer	SO_2	0.01	0.03	
	Stack	PM	1.50	6.90	
		NO_x	1.46	5.75	
		CO	2.50	10.90	
		Exempt solvent	0.82	0.42	
E-BR-1, 2, 4, 5, 6, and 7		B, C, and S Building VOC 5.15		1.24	
E-CR-6 and 7	Operations	Inorganics	2.0	8.35	
E-SR-1, 2, and 3		Exempt solvent	0.1	0.42	
E-DR-1 and 2	D, E, F, H, and J Building	VOC	1.23	5.11	
E-ER-1, 2, 3, and 4	Operations	Inorganics	1.64	6.79	
E-FR-1 and 2		Exempt solvent	0.1	0.42	
E-HR-1, 2, 3, and 4					
E-JR-3					
E-CR-1, 2, and 3	2 Boilers	PM	1.33	3.95	
	(Natural Gas-Fired)	SO_2	8.10	1.93	
	and 1 Boiler	CO	3.32	9.87	
	(Stand-By, Fuel Oil-Fired)	NO_x	13.27	39.49	
		VOC	0.22	0.77	

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Emission Point No. (1) (4)	Source Name (2)	AIR CONTAMINANTS DATA Air Contaminant Name (3)	Emission Rates lb/hr	TPY
	2 Boilers (Fuel Oil-Fired)	PM	0.90	0.20
		SO_2	16.13	3.53
		CO	2.24	0.49
		NO_x	8.96	1.96
		VOC	0.09	0.02
E-CR-4	A-Building Generator No. 2	PM	0.90	0.20
		SO_2	16.13	3.53
		CO	2.24	0.49
		NO_x	8.96	1.96
		VOC	0.09	0.02
E-CR-5	A-Building Generator No. 1	PM	0.90	0.09
		SO_2	4.07	0.41
		CO	8.87	0.89
		NO_x	40.66	4.07
		VOC	1.22	0.12
E-CR-10	Generator 1 Diesel Day Tank	VOC	0.01	0.01
E-CR-11	Generator 2 Diesel Day Tank	VOC	0.01	0.01
E-CR-12	Generator 5 Diesel Day Tank	VOC	0.01	0.01
E-ER-5	2 Boilers (Natural Gas-Fired) and 1 Boiler (Stand-By, Fuel Oil-Fired)	PM	0.24	0.67
		SO_2	1.63	0.39
		CO	0.49	1.20
		NO_x	2.16	5.70
		VOC	0.09	0.32
	2 Boilers	PM	0.18	0.04

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	AIR CONTAMINANTS DATA Emission Rates lb/hr	TPY (4)
	(Fuel Oil-Fired)	SO_2	3.24	0.71
		CO	0.45	0.10
		NO_x	1.80	0.39
		VOC	0.03	0.01
E-JR-5 and 6	1 Boiler	PM	0.16	0.35
	(Natural Gas Fired)	SO_2	1.62	0.37
	and 1 Hot Water Heater	CO	0.39	0.63
	(Natural Gas Fired)	NO_x	1.53	2.95
		VOC	0.62	0.06
E-ST-1	CUB Diesel Tank	VOC	0.14	0.01
E-ST-2	Fire Pump	PM	0.46	0.05
	(Emergency Use)	SO_2	0.43	0.04
		CO	1.39	0.14
		NO_x	6.42	0.64
		VOC	0.62	0.06
E-ST-3	ECP Diesel Tank	VOC	0.11	0.01
E-ST-4	E-Building	PM	0.64	0.06
	Emergency Generator	SO_2	0.60	0.06
		CO	1.94	0.19
		NO_x	8.98	0.90
		VOC	0.87	0.09
E-ST-5	C-Building Cooling Tower Corrosion Inhibitor Tank	Inorganics	0.17	0.01
E-ST-10	C-Building Cooling Towers	Inorganics	0.01	0.01
		VOC	0.01	0.01
E-ST-11	H-Building	PM	0.59	0.06
	Emergency Generator	SO_2	0.60	0.06
		CO	1.79	0.18
		NO_x	8.28	0.83

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Emission Point No. (1)	Source Name (2)	AIR CONTAMINANTS DATA Air Contaminant Name (3)	Emission Rates lb/hr	TPY (4)
		VOC	0.80	0.08
E-ST-12	E-Building Cooling Towers	Inorganics	0.01	0.01
		VOC	0.01	0.01
E-ST-13	Emergency Generator No. 4 B-Building	PM	0.90	0.09
		SO_2	4.07	0.41
		CO	8.87	0.89
		NO_x	40.66	4.07
		VOC	1.22	0.12
E-ST-14	Emergency Generator No. 3 B-Building	PM	0.90	0.09
		SO_2	4.07	0.41
		CO	8.87	0.89
		NO_x	40.66	4.07
		VOC	1.22	0.12
E-ST-16	C-Building Cooling Tower Biocide Tank	VOC	0.09	0.01
E-ST-17	D-Building Emergency Generator	PM	0.29	0.03
		SO_2	0.62	0.06
		CO	1.55	0.16
		NO_x	5.81	0.58
		VOC	0.32	0.03
E-ST-19	Generator 3 and 4 Diesel Day Tank	VOC	0.01	0.01
E-ST-20	D, E, and H Generator Diesel Day Tank	VOC	0.01	0.01
E-ST-21	Fire Pump Diesel Day Tank	VOC	0.01	0.01

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Emission Point No. (1)	Source Name (2)	AIR CONTAMINANTS DATA Air Contaminant Name (3)	Emission Rates lb/hr	TPY (4)
ALL	Various	Individual HAPs	<10.00	
		All HAPs	<25.00	

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.
(2) Specific point source name. For fugitive sources use area name or fugitive source name.
(3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1 (30 TAC § 101.1)
Exempt solvent - as defined in 30 TAC § 101.1
HAP - any air contaminant (pollutant) listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C
NO_x - total oxides of nitrogen
CO - carbon monoxide
PM - particulate matter suspended in the atmosphere, including PM_{10}.
PM_{10} - particulate matter equal to or less than 10 microns in diameter.
SO_2 - sulfur dioxide
(4) Annual emissions are based on a rolling 12-month average.

Dated November 1, 2004