Permit Number 734

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.

-		AIR CON	AIR CONTAMINANTS DATA		
Emission	Source	Air Contaminant	Air Contaminant <u>Emission Rates *</u>		
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY	
	atural gas for Boilers 1, 2 Boilers 4 and 5, (EPNs 1-C				
1-C-1A	Boiler 1 (96 MMBtu/hr)	NO_x CO SO_2 PM_{10} VOC	8.75 7.35 0.05 0.67 0.48	38.30 32.17 0.23 2.91 2.11	
1-C-1B	Boiler 2 (96 MMBtu/hr)	NO_x CO SO_2 PM_{10} VOC	8.75 7.35 0.05 0.67 0.48	38.30 32.17 0.23 2.91 2.11	
1-C-1C	Boiler 3 (96 MMBtu/hr)	NO_x CO SO_2 PM_{10} VOC	8.75 7.35 0.05 0.67 0.48	38.30 32.17 0.23 2.91 2.11	
1-C-1D	Boiler 4 (96 MMBtu/hr)	NO_x CO SO_2 PM_{10} VOC	9.72 6.85 0.04 0.79 0.43	42.59 29.99 0.20 3.47 1.90	
1-C-1E	Boiler 5 (114 MMBtu/hr)	NO_x CO SO_2 PM_{10}	25.80 7.42 0.04 1.17	113.00 32.50 0.18 5.11	

AIR CONTAMINANTS DATA

Emission	Source	Air Contaminant	Emission Rates *	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
,	, ,	VOC	0.45	1.95
1-C-1F	Boiler 6	NO_x	32.20	141.04
	(126 MMBtu/hr)	CO	9.66	42.31
		SO_2	0.07	0.30
		PM_{10}	0.87	3.83
		VOC	0.63	2.77
Case 2: Waste liquid fu	uel firing 168 hrs/yr (4):			
1.0.14	Dollar 1	NO	00.04	0.20
1-C-1A	Boiler 1 (96 MMBtu/hr)	NO _x CO	99.84 4.16	8.39 0.35
	(90 MMBtu/III)	PM ₁₀	1.66	0.35
		VOC	0.17	0.01
		VOC	0.17	0.01
1-C-1B	Boiler 2	NO_x	99.84	8.39
	(96 MMBtu/hr)	CO	4.16	0.35
		PM_{10}	1.66	0.14
		VOC	0.17	0.01
1-C-1C	Boiler 3	NO_x	99.84	8.39
	(96 MMBtu/hr)	CO	4.16	0.35
		PM_{10}	1.66	0.14
		VOC	0.17	0.01
1-C-1D	Boiler 4	NO_x	77.92	6.55
	(96 MMBtu/hr)	CO	4.16	0.35
		PM_{10}	1.66	0.14
		VOC	0.17	0.01
1-C-1E	Boiler 5	NO _x	95.58	8.03
	(114 MMBtu/hr)	CO	4.90	0.41
	•	PM_{10}	1.96	0.16
		VOC	0.20	1.02
1-C-1F	Boiler 6	NO_x	131.33	11.03

AIR CONTAMINANTS DATA

Emission	Source	Air Contaminant	Emission Rates *	
Point No. (1)	Name (2) (126 MMBtu/hr)	Name (3) CO PM ₁₀ VOC	lb/hr 5.47 2.19 0.22	TPY 0.46 0.18 0.02
Case 3: No. 4 fuel oil firir	ng 336 hrs/yr:			
1-C-1A	Boiler 1 (96 MMBtu/hr)	NO_x CO PM_{10} VOC SO_2 SO_3	16.64 4.16 5.82 0.17 35.44 0.50	2.80 0.70 0.98 0.03 5.95 0.08
1-C-1B	Boiler 2 (96 MMBtu/hr)	NO_x CO PM_{10} VOC SO_2 SO_3	16.64 4.16 5.82 0.17 35.44 0.50	2.80 0.70 0.98 0.03 5.95 0.08
1-C-1C	Boiler 3 (96 MMBtu/hr)	NO_x CO PM_{10} VOC SO_2 SO_3	16.64 4.16 5.82 0.17 35.44 0.50	2.80 0.70 0.98 0.03 5.95 0.08
1-C-1D	Boiler 4 (96 MMBtu/hr)	NO_x CO PM_{10} VOC SO_2 SO_3	16.64 4.16 4.73 0.17 26.11 0.50	2.80 0.70 0.79 0.03 4.39 0.08
1-C-1E	Boiler 5 (114 MMBtu/hr)	NO _x CO	19.58 4.90	3.29 0.82

AIR CONTAMINANTS DATA

Emission	Source	Air Contaminant	Emission Rates *	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
, ,		PM ₁₀	5.76	0.97
		VOC	0.20	0.03
		SO_2	32.38	5.44
		SO ₃	0.46	0.08
1-C-1F	Boiler 6	NO _x	21.89	3.68
	(126 MMBtu/hr)	CO	5.47	0.92
		SO_2	46.62	7.83
		SO₃	0.66	0.11
		PM_{10}	7.66	1.29
		VOC	0.22	0.04

Case 4: Natural gas (Firing a combination of natural gas and supplemental hydrocarbon fuel [EPNs 1-C-1D and 1-C-1E only]) 8,256 hrs/yr, waste liquid fuel 168 hrs/yr, and No. 4 fuel oil 336 hrs/yr:

1-C-1A	Boiler 1	NO _x	99.84	47.28
	(96 MMBtu/hr)	CO	7.35	31.37
		SO ₂	35.44	6.17
		SO₃	0.50	0.08
		PM_{10}	5.82	3.87
		VOC	0.48	2.03
1-C-1B	Boiler 2	NO_x	99.84	47.28
	(96 MMBtu/hr)	CO	7.35	31.37
	,	SO ₂	35.44	6.17
		SO ₃	0.50	0.08
		PM_{10}	5.82	3.87
		VOC	0.48	2.03
1-C-1C	Boiler 3	NO _x	99.84	47.28
1010	(96 MMBtu/hr)	CO	7.35	31.37
	(6.6)	SO ₂	35.44	6.17
		SO ₃	0.50	0.08
		PM_{10}	5.82	3.87
		VOC	0.48	2.03
1-C-1D	Boiler 4	NO _x	77.92	48.64
1-0-10	DUIICI 4	INOX	11.52	40.04

AIR CONTAMINANTS DATA

Emission	Source	Air Contaminant	<u>Emissio</u>	n Rates *
Point No. (1)	Name (2) (96 MMBtu/hr)	Name (3)	lb/hr	TPY
		CO	6.85	29.31
		SO ₂	26.11	3.85
		SO₃	0.37	0.05
		PM_{10}	4.73	4.12
		VOC	0.43	1.82
1-C-1E	Boiler 5	NO _x	95.58	116.97
	(114 MMBtu/hr)	CO	7.42	31.86
		SO ₂	32.38	4.89
		SO₃	0.46	0.07
		PM_{10}	5.76	5.86
		VOC	0.45	1.89
1-C-1F	Boiler 6	NO_x	131.33	147.63
	(126 MMBtu/hr)	CO	9.66	41.26
		SO ₂	46.62	8.12
		SO₃	0.66	0.11
		PM_{10}	7.66	5.08
		VOC	0.63	2.67

- (1) Emission point identification either specific equipment designation or emission point number from plot plan.
- (2) Specific point source name.
- (3) SO₃ sulfur trioxide

PM₁₀ - particulate matter less equal to or less than 10 microns in diameter. Where PM is not listed, it shall not be assumed that no PM greater than 10 microns is

emitted.

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

NO_x - total oxides of nitrogen

SO₂ - sulfur dioxide CO - carbon monoxide

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EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES
See Special Provision No. 4 for basis for annual emission rates.
The facilities are limited by the following maximum operating schedule:
Hrs/day Days/weekWeeks/year or Hrs/year <u>8,760</u>
DatedAugust 20, 2004