Permit Nos. 7799 and PSD-TX-860

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.

Emission *	Source	Air Contaminant	Emission	Rates
Point No. (1)	Name (2)	Name (3)	1b/hr	TPY
EH28A	B-2101A Furnace	CO NO_x PM_{10} SO_2 VOC	4.82 16.60 0.60 0.07 0.17	20.80 71.80 2.60 0.30 0.70
EH28B	B-2101B Furnace	CO NO_x PM_{10} SO_2 VOC	4.82 16.60 0.60 0.07 0.17	20.80 71.80 2.60 0.30 0.70
EH29C	B-2101CFurnace	CO NO_{x} PM_{10} SO_{2} VOC	4.82 16.60 0.60 0.07 0.17	20.80 71.80 2.60 0.30 0.70
EH29D	B-2101D Furnace	CO NO_{\times} PM_{10} SO_{2} VOC	4.82 16.60 0.60 0.07 0.17	20.80 71.80 2.60 0.30 0.70
EH30E	B-2101E Furnace	CO NO_x PM_{10} SO_2 VOC	4.82 16.60 0.60 0.07 0.17	20.80 71.80 2.60 0.30 0.70

Emission *	Source	Air Contaminant	<u>Emissio</u>	n Rates
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
EH30F	B-2101F Furnace	CO NO_x PM_{10} SO_2 VOC	4.82 16.60 0.60 0.07 0.17	20.80 71.80 2.60 0.30 0.70
EH41	L.P. Flare	VOC CO NO _x	11.40 10.00 2.00	49.80 43.80 8.60
EH42	H.P. Flare	VOC CO NO _x	26.60 18.10 2.50	116.60 79.20 11.10
EH47	B-6901 A, B 1500 psia Boilers	CO NO_{\times} PM_{10} SO_{2} VOC	8.40 99.70 5.00 0.50 1.50	20.80 317.00 12.20 1.40 3.60
EH48	B-6101A Furnace	CO NO_x PM_{10} SO_2 VOC	2.90 29.00 1.70 0.20 0.50	7.90 101.00 4.60 0.50 1.40
EH49	B-6101B Furnace	CO NO_x PM_{10} SO_2 VOC	2.90 29.00 1.70 0.20 0.50	7.90 101.00 4.60 0.50 1.40

Emission *	Source	Air Contaminant	<u>Emissi</u>	on Rates
<u>^</u> Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
EH50	B-6101C Furnace	CO NO_{x} PM_{10} SO_{2} VOC	2.90 29.00 1.70 0.20 0.50	7.90 101.00 4.60 0.50 1.40
EH51	B-6151A Furnace	CO NO_x PM_{10} SO_2 VOC	2.70 27.50 1.60 0.20 0.50	7.60 95.50 4.50 0.50 1.30
EH52	B-6151B Furnace	CO NO_x PM_{10} SO_2 VOC	2.70 27.50 1.60 0.20 0.50	7.60 95.50 4.50 0.50 1.30
EH54	B-6101D Furnace	CO NO_x PM_{10} SO_2 VOC	2.90 29.00 1.70 0.20 0.50	7.90 101.00 4.60 0.50 1.40
EH58	Propylene Storage Fla	re CO NO _x PM ₁₀ VOC	0.22 0.07 0.01 <0.01	0.96 0.30 0.01 <0.01
EH6301A	B-6301A Furnace	${\rm CO} \atop {\rm NO}_{\times} \atop {\rm PM}_{10}$	12.73 19.09 1.59	44.59 66.86 5.57

Emission *	Source	Air Contaminant	<u>Emissio</u>	n Rates
Point No. (1)	Name (2)	Name (3)	1b/hr	TPY
		SO₂ VOC	0.19 0.45	0.67 1.11
EH6301B	B-6301B Furnace	CO NO_{x} PM_{10} SO_{2} VOC	12.73 19.09 1.59 0.19 0.45	44.59 66.86 5.57 0.67 1.11
EM1	Cooling Tower No.1	VOC	4.20	18.40
EM3	Cooling Tower No. 3	VOC	1.05	4.60
EM26	Cooling Tower No. 4	VOC	0.55	2.41
EM5	Cooling Tower No. 5	VOC	1.01	4.42
EM23	Decoking Vent B-6101A	, B CO PM ₁₀ SO ₂	11.67 6.67 0.33	1.40 0.80 0.04
EM24	Decoking Vent B-6101C	, D CO PM ₁₀ SO ₂	11.67 6.67 0.33	1.40 0.80 0.04
EM25	Decoking Vent B-6151A	, B CO PM ₁₀ SO ₂	10.00 5.83 0.33	1.20 0.70 0.04
EM27	Decoking Vent B-2101A	, B CO PM ₁₀ SO ₂	54.00 31.00 1.60	2.40 1.40 0.07
EM28	Decoking Vent B-2101C	, D CO	54.00	2.40

Emission *	Source	Air Contamina	nt	<u>Emission</u>	Rates
Point No. (1)	Name (2)	Name (3)		lb/hr	TPY
		PM ₁₀ SO ₂		31.00 1.60	1.40 0.07
EM29	Decoking Vent B-2101E	CO PM_{10} SO_2		54.00 31.00 1.60	1.20 0.70 0.04
EM30	Decoking Vent B-2101F	$\begin{array}{c} CO \\ PM_{10} \\ SO_2 \end{array}$		54.00 31.00 1.60	1.20 0.70 0.04
EM31	USC I Carbon Canisters	VOC		0.64	2.78
EM32	USC II Carbon Canister	rs VOC		0.39	1.73
EM33	Ethylene Unit Carbon (2.16	Canisters	VOC	(5)	0.49
EM34	Ethylene Unit Carbon C	Canisters	VOC	(5)	0.49
EM6301	Decoking Vent B-6301A,	$\begin{array}{cc} B & CO \\ PM_{10} \\ SO_2 \end{array}$		27.06 12.07 0.81	1.20 0.54 0.04
EF1	Ethylene Unit Fugitive 169.70	es (4)	,	VOC	38.74
EF6	Rail Loading Fugitives	(4) VOC		0.67	2.95
EF7	USC II Fugitives (4)	VOC		15.98	70.01
EF8	USC-I Fugitives (4)	VOC		15.51	67.93

AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	<u>Emissio</u>	n Rates
Point No. (1)	Name (2)	Name (3)	1b/hr	TPY
EF9	Tank Farm Fugitives (/	·) VOC	15.66	68.61
LF9	Tank Farm Fugitives (4	voc	13.00	00.01
EF12	RGCB Fugitives (4)	VOC	4.55	19.94
EF14	Tank 36 Area Fugitives	(4) VOC	1.23	5.41
EF16	Off-Site Flare Fugitiv	ves (4)	VOC	0.63
EF18	P/P Splitter Fugitives	(4) VOC	1.24	5.43

- (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) CO carbon monoxide

 NO_x - total oxides of nitrogen

PM - particulate matter, suspended in the atmosphere, including PM_{10} - particulate matter, equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.

SO₂ - sulfur dioxide

- VOC volatile organic compounds as defined in 30 TAC Section 101.1
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) The total annual combined emission rate from Emission Point Nos. EM33 and EM34 shall not exceed 2.16 tons per year.
- * Emission rates are based on and the facilities are limited by the following maximum operating schedule:

Hrs/day	Days/week	Weeks/year or	8.760	Hrs/vear
III 3/ uay	Day 3/ WCCK	wcck3/ycai oi	0,700	ili 3/ ycai

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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