Permit Number 20485

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 CONTAMINANTS DATA

Emission Source		Air Contaminant	Emissio	Emission Rates *	
Point No. (1)	Name (2)	Name (3)	<u>lb/hr</u>	TPY**	
UWNR1, UW6R1	North/South Flare (5) Normal Mode of Operation	VOC 1,3 butadiene NO _x CO	32.06 6.47 0.78 5.85	7.67 4.35 0.45 3.64	
UWNR1, UW6R1	North/South Flare (5) Maintenance Mode of Operation	VOC 1,3 butadiene NO _x CO	70.57 36.05 3.11 22.47	9.96 4.71 0.42 3.03	
UWNR1	North Flare Pilot Emissions	NO _x CO	0.05 0.37	0.22 1.62	
UW6R1	South Flare Pilot Emissions	NO _x CO	0.05 0.37	0.22 1.62	
RSWLDFLR	Dock Flare	VOC 1,3 butadiene NO _x CO	33.84 0.05 16.45 60.92	12.55 0.22 4.24 29.14	
UW6BB1&2	Boilers 1 and 2	PM_{10} VOC NO_x SO_2 SO_3 CO	8.50 1.70 528.00 18.60 1.50 170.00	33.70 6.70 2072.00 73.00 5.60 438.00	

AIR CONTAMINANTS DATA

Emission	Source	Air Contaminant <u>Emission</u>		
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY**
BDMTS3BA	Air Heater	$\begin{array}{c} PM_{10} \\ VOC \\ NO_{x} \\ SO_{2} \\ CO \end{array}$	0.04 0.04 0.98 0.08 0.25	0.06 0.06 1.48 0.12 0.37
WWCT1-6	Cooling Tower	VOC 1,3 butadiene (4)	46.30 37.57	50.67 41.43
6-TK-48	Storage Tank 48	VOC	0.57	<0.01
6-TK-72	Storage Tank 72	VOC	0.57	<0.01
6-TK-73	Storage Tank 73	VOC	0.57	<0.01
C4BUND	Bundle Furnaces	$\begin{array}{c} PM_{10} \\ VOC \\ NO_{x} \\ SO_{2} \\ CO \end{array}$	1.00 0.02 0.20 <0.01 3.35	4.38 0.10 0.88 <0.01 14.60
C4TKMAIN	Tank Maintenance (6)	VOC 1,3 butadiene	1.01 1.03	0.16 0.17
C4FUG	Fugitives (4)(7)	VOC	13.87	60.33
C4ICE	Internal Combustion Engines (7)	$\begin{array}{c} PM_{10} \\ VOC \\ NO_{x} \\ SO_{2} \\ CO \end{array}$	5.07 6.61 70.46 4.46 15.15	0.07 0.09 0.92 0.06 0.20
C4ICEDFT	Diesel Fuel Tanks (7)	VOC	<0.01	<0.01
C4MCST	Miscellaneous Chemical Storage Tanks (7)	VOC	0.05	0.20

THE FOLLOWING SHALL APPLY TO BOILER 8 BEFORE AUGUST 1, 2007 AND AFTER JULY 31,

AIR CONTAMINANTS DATA

Emission	ssion Source Air Contaminant		Emission	n Rates *	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY**	
2007, IF IT IS OPER	ATED FOR 750 HOURS OR LE	ESS PER CALENDAR YEA	AR:		
UW6BB8	Boiler 8 285 MMBtu/hr	NO_x CO SO_2 VOC PM_{10}	8.54 11.81 4.04 1.14 2.15	37.38 51.72 17.71 4.98 9.42	
	SHALL APPLY TO BOILER 8 A DURS PER CALENDAR YEAR:		IT IS OPERA	ATED FOR	
UW6BB8	Boiler 8 285 MMBtu/hr	NO_x CO SO_2 VOC PM_{10}	5.70 11.81 4.04 1.14 2.15	24.96 51.72 17.71 4.98 9.42	
THE FOLLOWING CONDITION NO. 37:	SHALL APPLY TO TEMPO	RARY BOILERS AUTHO	ORIZED BY	SPECIAL	
BBTEMP100	Temporary Boiler 133.7 MMBtu/hr	NO_x CO SO_2 VOC PM_{10}	8.02 11.01 0.08 0.72 1.00	 	
BBTEMP70	Temporary Boiler 84.2 MMBtu/hr	NO_x CO SO_2 VOC PM_{10}	5.05 6.93 0.05 0.45 0.63	 	
BBTEMP50	Temporary Boiler	NO _x	3.79		

63.2 MMBtu/hr	CO	5.20	
	SO_2	0.04	
	VOC	0.34	
	PM_{10}	0.47	

- (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

NO_x - total oxides of nitrogen

CO - carbon monoxide

 PM_{10} - particulate matter (PM) 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

SO₃ - sulfur trioxide

- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) The north and south flares are connected to a header system that allows either flare to combust the waste streams.
- (6) Estimate of emissions generated from wastewater during cleaning of spherical process tanks.
- (7) Emissions from several small internal combustion engines and storage tanks.
- * Emission rates are based on and the facilities are limited by the following maximum operating schedule:

**	Compliance wi	th annual	emission	limits is	based	on a ro	olling 12	ا 2-month-	period.

Hrs/day 24	Days/week	7	Weeks/year	52	or Hrs/year
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Dated	July 29,	2004