Standard Permit Maximum Emission Rates Table
Permit Number 54241

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, sources, and related activities. Any proposed increase in emission rates may require an application for a revision of the facilities covered by this permit.

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
K-4	1478 hp Waukesha	NOx	6.52	28.54
		CO	9.78	42.82
		VOC	1.63	7.14
		SOx	0.01	0.03
		PM_{10}	0.22	0.98
		HAPs	0.37	1.64
		Formaldehyde	0.24	1.04
K-5	1478 hp Waukesha	NOx	6.52	28.54
		CO	9.78	42.82
		VOC	1.63	14.27
		SOx	0.01	0.03
		PM_{10}	0.22	0.98
		HAPs	0.37	1.64
		Formaldehyde	0.24	1.04
C-140	4445 hp Caterpillar	NOx	19.60	85.84
		CO	29.40	128.77
		VOC	9.80	42.92
		SOx	0.02	0.08
		PM_{10}	0.32	1.38
		HAPs	2.29	10.01
		Formaldehyde	1.67	7.32
C-141	4445 hp Caterpillar	NOx	19.60	85.84
		CO	29.40	128.77
		VOC	9.80	42.92
		SOx	0.02	0.08
		PM_{10}	0.32	1.38
		HAPs	2.29	10.01
		Formaldehyde	1.67	7.32
C-142	3335 hp Caterpillar	NOx	14.70	64.41
		CO	22.06	96.61
		VOC	7.35	32.20
		SOx	0.01	0.06
		PM_{10}	0.23	0.99
		HAPs	1.64	7.18
		Formaldehyde	1.20	5.25

C-143	1478 hp Waukesha	NOx CO VOC SOx PM_{10} HAPs Formaldehyde	4.24 9.78 2.44 0.01 0.11 0.80 0.59	18.55 42.82 10.70 0.03 0.49 3.51 2.56
P-508	896 hp Waukesha	NOx CO VOC SOx PM_{10} HAPs Formaldehyde	3.95 5.93 0.99 <0.01 0.16 0.27 0.17	17.30 25.96 4.33 0.02 0.70 1.17 0.74
P-509	896 hp Waukesha	NOx CO VOC SOx PM_{10} HAPs Formaldehyde	3.95 5.93 0.99 <0.01 0.16 0.27 0.17	17.30 25.96 4.33 0.02 0.70 1.17 0.74
P-510	896 hp Waukesha	NOx CO VOC SOx PM_{10} HAPs Formaldehyde	3.95 5.93 0.99 <0.01 0.16 0.27 0.17	17.30 25.96 4.33 0.02 0.70 1.17 0.74
P-4	141 hp Caterpillar Operating 500 hrs/yr	NOx CO VOC SOx PM_{10} HAPs	5.53 0.53 0.37 0.35 0.37 0.02	1.38 0.13 0.09 0.09 0.09 <0.01
P-5	141 hp Caterpillar Operating 500 hrs/year	NOx CO VOC SOx PM_{10} HAPs	5.53 0.53 0.37 0.35 0.37 0.02	1.38 0.13 0.09 0.09 0.09 <0.01
P-905	150 hp Detroit Operating 500 hrs/year	NOx CO VOC SOx PM_{10}	4.63 0.99 0.37 0.37 0.40	1.16 0.25 0.09 0.09 0.10

H-701	Hot Oil Heater	NOx CO VOC SOx PM_{10} HAPs Formaldehyde	3.30 5.08 0.33 0.04 0.46 0.11 <0.01	14.45 22.24 1.46 0.16 2.01 0.50 0.02
H-501	Hot Water Heater	NOx CO VOC SOx PM_{10} HAPs Formaldehyde	4.21 6.47 0.42 0.05 0.59 0.15 0.01	18.42 28.34 1.86 0.20 2.56 0.65 0.03
H-609	Glycol Heater	NOx CO VOC SOx PM_{10} HAPs	0.38 0.32 0.02 <0.01 0.03 0.01	1.68 1.42 0.09 0.01 0.13 0.03
GR-2644	Dehy Reboiler	NOx CO VOC PM_{10}	0.05 0.05 <0.01 <0.01	0.24 0.20 0.01 0.02
H-9	Dehy Reboiler	NOx CO VOC PM_{10}	0.05 0.05 <0.01 <0.01	0.24 0.20 0.01 0.02
H-10	Dehy Reboiler	NOx CO VOC PM_{10}	0.33 0.28 0.02 0.03	1.44 1.21 0.08 0.02
D-2	Dehy Still Vent	recycled / recompression control method - used as fuel - 100% control efficiency		
D-3	Dehy Still Vent	recycled / recompression control method - used as fuel - 100% control efficiency		
D-4	Dehy Unit	recycled / recompression control method - used as fuel - 100% control efficiency		
D-5	Dehy Unit	recycled / recompression control method - used as fuel - 100% control efficiency		

D-0815	Slop Oil Storage	VOC HAPS	0.04 <0.01	0.18 0.02
D-0816	Slop Oil Storage	VOC HAPS	0.04 <0.01	0.18 0.02
D-0817	Condensate Storage	VOC HAPs	3.10 <0.01	13.59 1.36
D-0818	Slop Oil Storage	VOC HAPs	0.04 <0.01	0.18 0.02
D-0819	Slop Oil Storage	VOC HAPs	0.04 <0.01	0.18 0.02
D-0820	Condensate Storage	VOC HAPs	3.10 0.31	13.59 1.36
TK-700	Heat Medium Oil Storage	VOC HAPs	<0.01 <0.01	<0.01 <0.01
TK-305	Used Engine Oil Storage	VOC HAPs	<0.01 <0.01	<0.01 <0.01
TK-303	Pacemaker 1640 Storage	VOC HAPs	<0.01 <0.01	<0.01 <0.01
TK-304	Pacemaker 1640 Storage	VOC HAPs	<0.01 <0.01	<0.01 <0.01
TK-309	Amine Storage	VOC HAPs	<0.01 <0.01	<0.01 <0.01
TK-311	Treated Water Storage	VOC HAPs	<0.01 <0.01	<0.01 <0.01
TK-701	Condensate Storage	Emissions routed to the flare (FL-3)		
TK-702	Condensate Storage	Emissions routed to the flare (FL-3)		
TK-703	Condensate Storage	Emissions routed to the flare (FL-3)		
TK-704	Condensate Storage	Emissions routed to the flare (FL-3)		
TK-705	Condensate Storage	Emissions routed to the flare (FL-3)		
FL-3	Process Flare	NOx CO VOC HAPs Benzene	3.24 6.47 11.32 1.13 0.005	14.19 28.33 24.78 2.48 0.02
F-2 **(5)**	Permitted Fugitives	VOC HAPs	1.49 0.15	6.54 0.65
F-3 **(5)**	Process Fugitives	VOC	0.26	1.14

		HAPs	0.03	0.11
F-4 **(5)**	Process Fugitives	VOC HAPs	0.01 <0.01	0.05 0.01
RTO	Regenerative Thermal Oxidizer	VOC NOx CO SO2	1.00 0.71 3.05 8.87	4.38 3.11 13.36 38.85

Air Contaminant	**Total Emission Rates**	
	lbs/hr	**tons per year**
NOx	110.99	421.61
CO	151.81	656.30
VOC	54.87	231.70
PM_{10}	4.15	13.34
HAPs	7.60	57.54
SO_2	10.09	39.86
Formaldehyde	6.16	26.80

(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) Exempt Solvent - Those carbon compounds or mixtures of carbon compounds used as solvents which have been excluded from the definition of volatile organic compound.
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented
PM_{10} - total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide
HAP - hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C
(4) Annual represented emissions (tons per year) is based on a 12 month rolling period.
(5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations. Emission values should be used for federal applicability.