Permit Number 124717

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 modification of the facilities covered by this permit.

Air Contaminants Data

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emissio	n Rates
			lbs/hour	TPY (4)
		Train 1		
ENG-1	Caterpillar 3616-4735 BHP	NO _x	5.22	22.86
	БПР	СО	2.01	8.80
		VOC	6.26	27.42
		РМ	0.32	1.40
		PM ₁₀	0.32	1.40
		PM _{2.5}	0.32	1.40
		SO ₂	0.02	0.09
ENG-2	Caterpillar 3616-4735 BHP	NO _x	5.22	22.86
		СО	2.01	8.80
		VOC	6.26	27.42
		РМ	0.32	1.40
		PM ₁₀	0.32	1.40
		PM _{2.5}	0.32	1.40
		SO ₂	0.02	0.09
ENG-3	Caterpillar 3616-4735 BHP	NO _x	5.22	22.86
	ВПР	СО	2.01	8.80
		VOC	6.26	27.42
		РМ	0.32	1.40
		PM ₁₀	0.32	1.40
		PM _{2.5}	0.32	1.40
		SO ₂	0.02	0.09

ENG-4	Caterpillar 3616-4735 BHP	NO _x	5.22	22.86
	БПР	СО	2.01	8.80
		voc	6.26	27.42
		РМ	0.32	1.40
		PM ₁₀	0.32	1.40
		PM _{2.5}	0.32	1.40
		SO ₂	0.02	0.09
ENG-5	Caterpillar 3616-4735 BHP	NO _x	5.22	22.86
	БПР	СО	2.01	8.80
		VOC	6.26	27.42
		РМ	0.32	1.40
		PM ₁₀	0.32	1.40
		PM _{2.5}	0.32	1.40
		SO ₂	0.02	0.09
ENG-6	Caterpillar 3616-4735 BHP	NO _x	5.22	22.86
	БПР	СО	2.01	8.80
		voc	6.26	27.42
		РМ	0.32	1.40
		PM ₁₀	0.32	1.40
		PM _{2.5}	0.32	1.40
		SO ₂	0.02	0.09
TK-1	Compressor Lube Oil Storage Tank	voc	0.35	<0.01
TK-2	Engine Lube Oil Storage Tank	VOC	0.35	<0.01
TK-3	Used Lube Oil Storage Tank	voc	0.35	<0.01
TK-6	Antifreeze/Water Storage Tank	voc	0.08	<0.01
TK-8	Glycol Storage Tank	voc	0.04	<0.01
TK-DIESEL	Diesel Fuel	voc	0.02	<0.01

TK-GAS	Gasoline Fuel Storage Tank	voc	5.43	0.07
TK-26	Intercept 400 gal	VOC	<0.01	<0.01
TK-27	Clean Cor 400 gal	VOC	<0.01	<0.01
TK-28	Clean Cor 217 gal	voc	<0.01	<0.01
H-1	Mole Sieve Regen.	NO _x	0.62	2.73
	Heater	СО	0.86	3.75
		VOC	0.06	0.25
		PM	0.08	0.34
		PM ₁₀	0.08	0.34
		PM _{2.5}	0.08	0.34
		SO ₂	0.01	0.03
H-2	Cryo Hot Oil Heater	NO _x	1.58	6.91
		СО	2.17	9.49
		VOC	0.14	0.62
		РМ	0.20	0.86
		PM ₁₀	0.20	0.86
		PM _{2.5}	0.20	0.86
		SO ₂	0.02	0.07
H-3	Amine Hot Oil Heater	NO _x	5.40	23.65
		СО	7.41	32.46
		VOC	1.62	7.10
		РМ	0.67	2.94
		PM ₁₀	0.67	2.94
		PM _{2.5}	0.67	2.94
		SO ₂	0.09	0.40
H-4	Condensate Stabilization Heater	NO _x	0.42	1.84
	Stabilization reater	СО	0.58	2.52
		VOC	0.04	0.17
		РМ	0.05	0.23

		PM ₁₀	0.05	0.23
		PM _{2.5}	0.05	0.23
		SO ₂	<0.01	0.02
H-5	Glycol Regen. Heater	NO _x	0.18	0.79
		СО	0.25	1.08
		VOC	0.02	0.07
		PM	0.02	0.10
		PM ₁₀	0.02	0.10
		PM _{2.5}	0.02	0.10
		SO ₂	<0.01	0.01
		Formaldehyde	<0.01	<0.01
		HAPS	0.01	0.03
CT-1	Wet Surface Air Condenser	PM	0.27	1.20
	Condenser	PM ₁₀	0.27	1.20
		PM _{2.5}	0.27	1.20
FL-1	Plant Flare	NO _x	3.51	11.07
		СО	7.00	22.55
		VOC	9.62	17.22
		SO ₂	<0.01	0.20
		H ₂ S	<0.01	<0.01
		Formaldehyde	<0.01	<0.01
		HAPS	2.99	1.95
FL-2	Plant Flare - Nonassisted	NO _x	23.41	10.45
	พงกลรารเซน	СО	46.76	21.46
		VOC	2.35	1.03
		SO ₂	24.64	10.79
		H ₂ S	0.26	0.11
		Formaldehyde	0.01	0.01
		HAPS	2.32	1.02

RTO-1	Regenerative Thermal Oxidizer	NO _x	0.94	4.11
	Oxidizei	со	1.05	4.60
		VOC	1.24	5.44
		PM	0.07	0.31
		PM ₁₀	0.07	0.31
		PM _{2.5}	0.07	0.31
		SO ₂	24.64	107.94
		H ₂ S	0.13	0.57
VCU-2	Vapor Combustion Unit	NO _x	0.45	0.73
	Offic	СО	0.18	0.80
		VOC	3.39	5.25
		PM	0.06	0.10
		PM ₁₀	0.06	0.10
		PM _{2.5}	0.06	0.10
		SO ₂	<0.01	<0.01
		H ₂ S	<0.01	<0.01
L-1	Slop Oil Loading	VOC	0.12	<0.01
L-2	Condensate Loading Fugitives	VOC	0.65	0.80
L-4	Slop Water Loading	VOC	1.45	0.46
L-5	Material Unloading Fugitives	voc	1.64	7.19
FUG-1 (5)	Train 1 Fugitive Emissions	VOC	2.67	11.69
	LIIIISSIOTIS	H ₂ S	<0.01	<0.01

		Train 2		
ENG-201	Caterpillar 3616-4735 BHP	NO _x	5.22	22.86
	БПР	СО	2.02	8.82
		VOC	1.97	8.64
		PM	0.32	1.40
		PM ₁₀	0.32	1.40
		PM _{2.5}	0.32	1.40
		SO ₂	0.02	0.08
ENG-202	Caterpillar 3616-4735 BHP	NO _x	5.22	22.86
	БПР	СО	2.02	8.82
		VOC	1.97	8.64
		РМ	0.32	1.40
		PM ₁₀	0.32	1.40
		PM _{2.5}	0.32	1.40
		SO ₂	0.02	0.08
ENG-203	Caterpillar 3616-4735 BHP	NO _x	5.22	22.86
	БПР	СО	2.02	8.82
		VOC	1.97	8.64
		РМ	0.32	1.40
		PM ₁₀	0.32	1.40
		PM _{2.5}	0.32	1.40
		SO ₂	0.02	0.08

ENG-204	Caterpillar 3616-4735 BHP	NO _x	5.22	22.86
	DUL	со	2.02	8.82
		voc	1.97	8.64
		PM	0.32	1.40
		PM ₁₀	0.32	1.40
		PM _{2.5}	0.32	1.40
		SO ₂	0.02	0.08
ENG-205	Caterpillar 3616-4735 BHP	NO _x	5.22	22.86
	БПР	со	2.02	8.82
		VOC	1.97	8.64
		РМ	0.32	1.40
		PM ₁₀	0.32	1.40
		PM _{2.5}	0.32	1.40
		SO ₂	0.02	0.08
H-200	Mole Sieve Regen. Heater	NO _x	1.44	6.31
	Heater	со	3.29	14.43
		VOC	0.22	0.94
		РМ	0.30	1.31
		PM ₁₀	0.30	1.31
		PM _{2.5}	0.30	1.31
		SO ₂	0.02	0.10
H-201	Hot Oil Heater	NO _x	3.56	15.61
		СО	8.15	35.71
		VOC	0.53	2.34
		РМ	0.74	3.23
		PM ₁₀	0.74	3.23
		PM _{2.5}	0.74	3.23
		SO ₂	0.06	0.26
H-202	Stabilization Heater	NO _x	0.72	3.15

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		СО	1.65	7.21
		VOC	0.11	0.47
		РМ	0.15	0.65
		PM ₁₀	0.15	0.65
		PM _{2.5}	0.15	0.65
		SO ₂	0.01	0.05
H-203	Glycol Regen. Heater	NO _x	0.11	0.47
		со	0.25	1.08
		VOC	0.02	0.07
		PM	0.02	0.10
		PM ₁₀	0.02	0.10
		PM _{2.5}	0.02	0.10
		SO ₂	<0.01	0.01
H-204	Trim Reboiler Heater	NO _x	0.94	4.10
		со	2.14	9.38
		VOC	0.14	0.61
		РМ	0.19	0.85
		PM ₁₀	0.19	0.85
		PM _{2.5}	0.19	0.85
		SO ₂	0.02	0.07
RTO-200	Regenerative Thermal Oxidizer	NO _x	0.90	3.95
	Oxidizei	СО	0.29	1.25
		VOC	0.68	2.98
		РМ	0.07	0.29
		PM ₁₀	0.07	0.29
		PM _{2.5}	0.07	0.29
		SO ₂	24.52	107.39
		H ₂ S	0.13	0.57
VCU-200	Vapor Combustion Unit	NO _x	0.33	0.58

		со	0.04	0.07
		VOC	2.08	3.62
		PM	0.05	0.08
		PM ₁₀	0.05	0.08
		PM _{2.5}	0.05	0.08
		SO ₂	<0.01	0.01
		H ₂ S	<0.01	<0.01
L-200	Condensate Truck Loading Fugitives	voc	1.68	0.14
L-201	Used Lube Oil Truck Loading	voc	0.21	<0.01
L-202	Wastewater Truck Loading	voc	0.56	0.01
FL-200	Plant Flare	NO _x	0.89	0.90
		со	1.78	1.81
		voc	4.16	1.83
		SO ₂	<0.01	<0.01
		H ₂ S	<0.01	<0.01
FL-300	Plant Flare - Nonassisted	NO _x	8.20	34.26
	Nonassisteu	со	16.36	68.38
		voc	1.53	1.59
		SO ₂	24.51	10.74
		H ₂ S	0.26	0.11
CT-200	Wet Surface Air Condenser	PM	0.10	0.42
	Condenser	PM ₁₀	0.10	0.42
		PM _{2.5}	0.10	0.42
TK-200	Bulk Lube Oil Tank	VOC	<0.01	<0.01
TK-201	Engine Lube Oil Tank	VOC	<0.01	<0.01
TK-202	Used Lube Oil Tank	voc	<0.01	<0.01
TK-203	Water/Antifreeze Tank	voc	<0.01	<0.01
TK-205	Glycol Tank	VOC	<0.01	0.09

TK-DIESEL2	Diesel Fuel Storage Tank	VOC	<0.01	<0.01
TK-GAS2	Gasoline Fuel Storage Tank	VOC	4.55	0.07
TK-211	Compressor Oil Day Tank	VOC	<0.01	<0.01
TK-212	Compressor Oil Day Tank	VOC	<0.01	<0.01
TK-213	Compressor Oil Day Tank	VOC	<0.01	<0.01
TK-214	Compressor Oil Day Tank	VOC	<0.01	<0.01
TK-215	Compressor Oil Day Tank	VOC	<0.01	<0.01
TK-216	Compressor Oil Day Tank	VOC	<0.01	<0.01
FUG-2 (5)	Train 2 Fugitive Emissions	VOC	2.68	11.76
	LIIII33IUII3	H ₂ S	<0.01	<0.01

(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

- sulfur dioxide SO_2 - hydrogen sulfide H₂S

- total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented РМ

- total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}, as PM_{10}

represented

particulate matter equal to or less than 2.5 microns in diameter
carbon monoxide
hazardous air pollutants $\mathsf{PM}_{2.5}$

CO **HAPS**

(4) Compliance with annual emission limits (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.

Date:	April 9 2019	