#### Permit Number 152783

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)	Air Contamii Source Name (2)	Air Contaminant Name (3)	Emission Rates (5)	
			lbs/hour	TPY (4)
ENG1	Caterpillar G3516 Tale	NO <sub>x</sub>	4.78	19.38
	Off Gas Compressor Engine 1	СО	1.48	6.50
		SO <sub>2</sub>	0.01	0.02
		PM	0.09	0.40
		PM <sub>10</sub>	0.09	0.40
		PM <sub>2.5</sub>	0.09	0.40
		VOC	0.60	2.62
ENG5	Caterpillar G3516 Tale	NO <sub>x</sub>	4.78	20.95
	Off Gas Compressor Engine 2	CO	1.36	5.91
		SO <sub>2</sub>	0.01	0.02
		PM	0.09	0.40
		PM <sub>10</sub>	0.09	0.40
		PM <sub>2.5</sub>	0.09	0.40
		VOC	0.65	2.83
ENG6	Caterpillar G3516B	NO <sub>x</sub>	1.83	8.00
	Off Gas Compressor Engine 3	СО	1.48	6.48
		SO <sub>2</sub>	0.01	0.03
		PM	0.10	0.44
		PM <sub>10</sub>	0.10	0.44
		PM <sub>2.5</sub>	0.10	0.44
		VOC	1.38	6.06
ENG7	Caterpillar G3606 LE	NO <sub>x</sub>	2.35	10.28
	Off Gas Compressor Engine 4	CO	4.30	18.85
		SO <sub>2</sub>	0.01	0.03
		PM	0.13	0.59
		PM <sub>10</sub>	0.13	0.59
		PM <sub>2.5</sub>	0.13	0.59
		VOC	1.04	4.58

ENCO	Cotomillor C2C0C L E	NO	2.25	10.00
ENG8	Caterpillar G3606 LE	NO <sub>x</sub>	2.35	10.28
	Off Gas Compressor Engine 5	СО	4.30	18.85
		SO <sub>2</sub>	0.01	0.03
		РМ	0.13	0.59
		PM <sub>10</sub>	0.13	0.59
		PM <sub>2.5</sub>	0.13	0.59
		VOC	0.70	3.05
ENG9	Caterpillar G3606 LE	NO <sub>x</sub>	2.35	10.28
	Inlet Gas Compressor Engine 1	СО	1.08	4.71
		SO <sub>2</sub>	0.01	0.03
		PM	0.13	0.59
		PM <sub>10</sub>	0.13	0.59
		PM <sub>2.5</sub>	0.13	0.59
		VOC	0.50	2.19
ENG10	Caterpillar G3606 LE	NO <sub>x</sub>	2.35	10.28
	Inlet Gas Compressor Engine 2	СО	1.08	4.71
		SO <sub>2</sub>	0.01	0.03
		PM	0.13	0.59
		PM <sub>10</sub>	0.13	0.59
		PM <sub>2.5</sub>	0.13	0.59
		VOC	0.50	2.19
ENG11	Caterpillar G3606 LE	NO <sub>x</sub>	2.35	10.28
	Inlet Gas Compressor Engine 3	СО	1.08	4.71
		SO <sub>2</sub>	0.01	0.03
		PM	0.13	0.59
		PM <sub>10</sub>	0.13	0.59
		PM <sub>2.5</sub>	0.13	0.59
		VOC	0.50	2.19
ENG12	Caterpillar G3606 LE	NO <sub>x</sub>	2.35	10.28
	Inlet Gas Compressor Engine 4	СО	1.08	4.71

1	1			
		SO <sub>2</sub>	0.01	0.03
		PM	0.12	0.52
		PM <sub>10</sub>	0.12	0.52
		PM <sub>2.5</sub>	0.12	0.52
		VOC	2.05	9.00
ENG13	Caterpillar CG137-12	NO <sub>x</sub>	0.93	4.06
	Condensate Pipeline Pump	СО	2.65	11.59
	Engine	SO <sub>2</sub>	<0.01	0.01
		PM	0.05	0.22
		PM <sub>10</sub>	0.05	0.22
		PM <sub>2.5</sub>	0.05	0.22
		VOC	0.93	4.06
ENG14	Caterpillar G3606 LE	NO <sub>x</sub>	2.35	10.28
	Inlet Gas Compressor Engine 5	СО	1.08	4.71
		SO <sub>2</sub>	0.01	0.03
		PM	0.12	0.52
		PM <sub>10</sub>	0.12	0.52
		PM <sub>2.5</sub>	0.12	0.52
		VOC	2.05	9.00
ENG17	Caterpillar CG137-12	NO <sub>x</sub>	0.93	4.06
	Condensate Pipeline Pump Engine	СО	2.65	11.59
		SO <sub>2</sub>	0.00	0.01
		PM	0.05	0.22
		PM <sub>10</sub>	0.05	0.22
		PM <sub>2.5</sub>	0.05	0.22
		VOC	0.93	4.06
TURB1	5 Combined Capstone	NO <sub>x</sub>	0.46	1.99
	C200NG Microturbines	СО	1.20	5.27
		SO <sub>2</sub>	<0.01	0.02
		PM	0.08	0.33
		PM <sub>10</sub>	0.08	0.33

		PM <sub>2.5</sub>	0.08	0.33
		VOC	0.11	0.48
TURB2	5 Combined Capstone	NO <sub>x</sub>	0.46	1.99
	C200NG Microturbines	СО	1.20	5.27
		SO <sub>2</sub>	<0.01	0.02
		PM	0.08	0.33
		PM <sub>10</sub>	0.08	0.33
		PM <sub>2.5</sub>	0.08	0.33
		VOC	0.11	0.48
HT1	Amine Reboiler	NO <sub>x</sub>	1.52	6.66
		СО	1.28	5.59
		SO <sub>2</sub>	0.01	0.04
		PM	0.12	0.51
		PM <sub>10</sub>	0.12	0.51
		PM <sub>2.5</sub>	0.12	0.51
		VOC	0.08	0.37
HT2	Glycol Reboiler 1	NO <sub>x</sub>	0.10	0.43
	Gas Combustion	СО	0.08	0.36
		SO <sub>2</sub>	<0.01	<0.01
		PM	0.01	0.03
		PM <sub>10</sub>	0.01	0.03
		PM <sub>2.5</sub>	0.01	0.03
		VOC	0.01	0.02
HT2	Glycol Reboiler 1	VOC	0.62	2.70
(HT2SV)	Uncombusted Still Vent	H <sub>2</sub> S	<0.01	<0.01
HT3	Condensate Stabilizer 1	NO <sub>x</sub>	1.23	5.37
	Heater	СО	1.03	4.51
		SO <sub>2</sub>	0.01	0.03
		PM	0.09	0.41
		PM <sub>10</sub>	0.09	0.41
		PM <sub>2.5</sub>	0.09	0.41
		VOC	0.07	0.30

HT4	Condensate Stabilizer 2	NO <sub>x</sub>	0.54	2.36
	Heater	СО	0.45	1.98
		SO <sub>2</sub>	<0.01	0.01
		PM	0.04	0.18
		PM <sub>10</sub>	0.04	0.18
		PM <sub>2.5</sub>	0.04	0.18
		VOC	0.03	0.13
HT5	Glycol Reboiler 2	NO <sub>x</sub>	0.07	0.32
	Gas Combustion	СО	0.06	0.27
		SO <sub>2</sub>	<0.01	<0.01
		PM	0.01	0.02
		PM <sub>10</sub>	0.01	0.02
		PM <sub>2.5</sub>	0.01	0.02
		VOC	<0.01	0.02
HT5	Glycol Reboiler 2	VOC	0.41	1.80
(HT5SV)	Uncombusted Still Vent	H <sub>2</sub> S	0.00	0.00
HT6	Glycol Reboiler 3	NO <sub>x</sub>	0.15	0.64
	Gas Combustion	СО	0.12	0.54
		SO <sub>2</sub>	<0.01	<0.01
		PM	0.01	0.05
		PM <sub>10</sub>	0.01	0.05
		PM <sub>2.5</sub>	0.01	0.05
		VOC	0.01	0.04
HT6	Glycol Reboiler 3	VOC	0.62	2.70
(HT6SV)	Uncombusted Still Vent	H <sub>2</sub> S	<0.01	<0.01
		n₂S	V0.01	<0.01
HT7	Condensate Stabilizer 3	NO <sub>x</sub>	1.52	6.66
	Heater	СО	1.28	5.59
		SO <sub>2</sub>	0.01	0.04
		PM	0.12	0.51

		PM <sub>2.5</sub>	0.12	0.51
		VOC	0.08	0.37
НТ8	Condensate Stabilizer 4	NO <sub>x</sub>	0.54	2.36
	Heater	СО	0.45	1.98
		SO <sub>2</sub>	<0.01	0.01
		PM	0.04	0.18
		PM <sub>10</sub>	0.04	0.18
		PM <sub>2.5</sub>	0.04	0.18
		VOC	0.03	0.13
НТ9	Condensate Stabilizer 5	NO <sub>x</sub>	1.03	4.51
	Heater	СО	0.86	3.79
		SO <sub>2</sub>	0.01	0.03
		РМ	0.08	0.34
		PM <sub>10</sub>	0.08	0.34
		PM <sub>2.5</sub>	0.08	0.34
		VOC	0.06	0.25
HT10	Glycol Reboiler 4	NO <sub>x</sub>	0.07	0.32
	Gas Combustion	СО	0.06	0.27
		SO <sub>2</sub>	<0.01	<0.01
		PM	0.01	0.02
		PM <sub>10</sub>	0.01	0.02
		PM <sub>2.5</sub>	0.01	0.02
		VOC	<0.01	0.02
HT10	Glycol Reboiler 4	VOC	0.41	1.80
(HT10SV)	Uncombusted Still Vent	H₂S	<0.01	<0.01
FL1	Flare	NO <sub>x</sub>	0.56	2.44

		СО	4.77	20.88
		SO <sub>2</sub>	54.89	240.42
		VOC	0.99	4.34
		H <sub>2</sub> S	0.58	2.56
GRP-IFR	GROUP - Combined Internal	VOC	0.48	7.01
	Floating Roof Tanks	H <sub>2</sub> S	0.02	<0.01
B1	16 Fixed Roof Condensate	VOC	13.47	3.99
	Tanks (Including 6 Swing Tanks)	H <sub>2</sub> S	<0.01	<0.01
K1	Produced/Slop Water Tank 1	VOC	2.63	0.59
KI	Fuel Gas Blanket & mVRU	H <sub>2</sub> S	<0.01	<0.01
		VOC		
TK2	Produced/Slop Water Tank 2	VOC	2.63	0.59
	Fuel Gas Blanket & mVRU	H <sub>2</sub> S	<0.01	<0.01
ГКЗ	Lube Oil	VOC	0.01	0.01
TK4	Antifreeze	VOC	<0.01	<0.01
TK5	Amine	VOC	<0.01	<0.01
ГК6	Glycol	VOC	<0.01	<0.01
ГК7	Methanol	VOC	0.20	0.20
TK8	Diesel	VOC	0.01	0.01
ГК9	Used Oil	VOC	0.01	0.01
_D1	Condensate	VOC	15.44	30.76
	Truck Loading	H <sub>2</sub> S	<0.01	<0.01
.D2	Produced/Slop Water	VOC	0.03	0.06
	Truck Loading	H <sub>2</sub> S	<0.01	<0.01
		П23	<0.01	<b>\0.01</b>
UG1	Facilities	VOC	5.59	24.46
	Fugitive Emissions	H <sub>2</sub> S	<0.01	<0.01
	Scheduled Maintenance S	tartup and Shutdowr	n (MSS)	
MSSVENT1	Inlet Gas Compressors	VOC	17.20	0.86
IGCOMP)	MSS Vents to Atmosphere			

(IGCOMP) Project Number: 287998

		H <sub>2</sub> S	0.01	<0.01
MSSVENT2	Off-Gas Compressor	VOC	106.35	11.96
(OGCOMP)	MSS Vents to Atmosphere	H <sub>2</sub> S	0.02	<0.01
MSSVENT3	Non-Compressor Plant Equipment	VOC	606.24	3.03
(PLANT)	MSS Vents to Atmosphere	H <sub>2</sub> S	0.12	<0.01
MSSVENT4	Pig Receivers	VOC	8.90	3.47
(PIGREC)	MSS Vents to Atmosphere	H <sub>2</sub> S	<0.01	<0.01
FL2	Waste Streams Emission Cap	NO <sub>x</sub>	104.19	12.55
		СО	208.02	25.06
		SO <sub>2</sub>	6.41	0.81
		VOC	282.31	35.57
		H <sub>2</sub> S	0.09	0.04
MSSVENT5	Internal Floating Roof Tanks	VOC	42.52	2.48
(IFRLAND)	Roof Landing MSS Emissions	H <sub>2</sub> S	0.01	<0.01
MSSVENT6 (HOSEDISC)	Y-Grade Hose Disconnections	VOC	0.36	0.13

(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<sub>x</sub> - total oxides of nitrogen

SO<sub>2</sub> - sulfur dioxide

PM - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>, as represented

PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as

represented

PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter

CO - carbon monoxide H<sub>2</sub>S - hydrogen sulfide

(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:	August 30 2019	