### Permit Numbers 140792 and PSDTX1498

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)	Emission Rates	
140. (1)		Name (3)	lbs/hour	TPY (4)
TO1	TRAIN 1 THERMAL OXIDIZER	NO*	11.06	47.66
		SO <sub>2</sub>	1.67	3.59
		H <sub>2</sub> SO <sub>4</sub>	0.13	0.27
		H <sub>2</sub> S	<0.01	<0.01
		СО	6.51	28.03
		PM	0.59	2.54
		PM <sub>10</sub>	0.59	2.54
		PM <sub>2.5</sub>	0.59	2.54
		VOC	0.43	1.84
TO2	TRAIN 2 THERMAL OXIDIZER	NO*	11.06	47.66
		SO <sub>2</sub>	1.67	3.59
		H <sub>2</sub> SO <sub>4</sub>	0.13	0.27
		H₂S	<0.01	<0.01
		СО	6.51	28.03
		РМ	0.59	2.54
		PM <sub>10</sub>	0.59	2.54
		PM <sub>2.5</sub>	0.59	2.54
		VOC	0.43	1.84
ТО3	TRAIN 3 THERMAL OXIDIZER	NO*	7.90	34.04
		SO <sub>2</sub>	1.67	3.59
		H <sub>2</sub> SO <sub>4</sub>	0.13	0.27
		H₂S	<0.01	<0.01
		СО	6.51	28.03
		PM	0.59	2.54
		PM <sub>10</sub>	0.59	2.54
		PM <sub>2.5</sub>	0.59	2.54
		VOC	0.43	1.84

TO4	TRAIN 4 THERMAL OXIDIZER	NO*	7.90	34.04
		SO <sub>2</sub>	1.67	3.59
		H <sub>2</sub> SO <sub>4</sub>	0.13	0.27
		H <sub>2</sub> S	<0.01	<0.01
		СО	6.51	28.03
		PM	0.59	2.54
		PM <sub>10</sub>	0.59	2.54
		PM <sub>2.5</sub>	0.59	2.54
		VOC	0.43	1.84
TO5	TRAIN 5 THERMAL OXIDIZER	NO*	7.90	34.04
		SO <sub>2</sub>	1.67	3.59
		H <sub>2</sub> SO <sub>4</sub>	0.13	0.27
		H <sub>2</sub> S	<0.01	<0.01
		СО	6.51	28.03
		PM	0.59	2.54
		PM <sub>10</sub>	0.59	2.54
		PM <sub>2.5</sub>	0.59	2.54
		VOC	0.43	1.84
GT1-A	TRAIN 1 GT DRIVER A	NO*	18.00	78.84
		SO <sub>2</sub>	0.03	0.13
		H <sub>2</sub> SO <sub>4</sub>	<0.01	0.01
		H <sub>2</sub> S	<0.01	<0.01
		СО	30.00	131.40
		PM	5.75	24.44
		PM <sub>10</sub>	5.75	24.44
		PM <sub>2.5</sub>	5.75	24.44
		VOC	1.80	7.88
GT1-B	TRAIN 1 GT DRIVER B	NO*	18.00	78.84
		SO <sub>2</sub>	0.03	0.13
		H <sub>2</sub> SO <sub>4</sub>	<0.01	0.01
		H <sub>2</sub> S	<0.01	<0.01
		СО	30.00	131.40
		PM	5.75	24.44

		PM <sub>10</sub>	5.75	24.44
		PM <sub>2.5</sub>	5.75	24.44
		VOC	1.80	7.88
GT2-A	TRAIN 2 GT DRIVER A	NO*	18.00	78.84
		SO <sub>2</sub>	0.03	0.13
		H <sub>2</sub> SO <sub>4</sub>	<0.01	0.01
		H₂S	<0.01	<0.01
		СО	30.00	131.40
		PM	5.75	24.44
		PM <sub>10</sub>	5.75	24.44
		PM <sub>2.5</sub>	5.75	24.44
		VOC	1.80	7.88
GT2-B	TRAIN 2 GT DRIVER B	NO*	18.00	78.84
		SO <sub>2</sub>	0.03	0.13
		H <sub>2</sub> SO <sub>4</sub>	<0.01	0.01
		H₂S	<0.01	<0.01
		СО	30.00	131.40
		PM	5.75	24.44
		PM <sub>10</sub>	5.75	24.44
		PM <sub>2.5</sub>	5.75	24.44
		VOC	1.80	7.88
GT3-A	TRAIN 3 GT DRIVER A	NO*	18.00	78.84
		SO <sub>2</sub>	0.03	0.13
		H <sub>2</sub> SO <sub>4</sub>	<0.01	0.01
		H₂S	<0.01	<0.01
		СО	30.00	131.40
		PM	5.75	24.44
		PM <sub>10</sub>	5.75	24.44
		PM <sub>2.5</sub>	5.75	24.44
		VOC	1.80	7.88
GT3-B	TRAIN 3 GT DRIVER B	NO*	18.00	78.84
		SO <sub>2</sub>	0.03	0.13
		H <sub>2</sub> SO <sub>4</sub>	<0.01	0.01

0744	TRANS 4 OT REN (TRA	VOC	1.80	7.88
		PM <sub>2.5</sub>	5.75	24.44
GT4-A	TRAIN 4 GT DRIVER A	NO*	18.00	78.84
		SO <sub>2</sub>	0.03	0.13
		H <sub>2</sub> SO <sub>4</sub>	<0.01	0.01
		H₂S	<0.01	<0.01
		СО	30.00	131.40
		PM	5.75	24.44
		PM <sub>10</sub>	5.75	24.44
		PM <sub>2.5</sub>	5.75	24.44
		VOC	1.80	7.88
GT4-B	TRAIN 4 GT DRIVER B	NO*	18.00	78.84
		SO <sub>2</sub>	0.03	0.13
		H <sub>2</sub> SO <sub>4</sub>	<0.01	0.01
		H <sub>2</sub> S	<0.01	<0.01
		СО	30.00	131.40
		PM	5.75	24.44
		PM <sub>10</sub>	5.75	24.44
		PM <sub>2.5</sub>	5.75	24.44
		VOC	1.80	7.88
GT5-A	TRAIN 5 GT DRIVER A	NO*	18.00	78.84
		SO <sub>2</sub>	0.03	0.13
		H <sub>2</sub> SO <sub>4</sub>	<0.01	0.01
		H₂S	<0.01	<0.01
		со	30.00	131.40
		PM	5.75	24.44
		PM <sub>10</sub>	5.75	24.44
		PM <sub>2.5</sub>	5.75	24.44
		VOC	1.80	7.88

Emission Sources - Maximum Allowable Emission Rates

GT5-B	TRAIN 5 GT DRIVER B	NO*	18.00	78.84
		SO <sub>2</sub>	0.03	0.13
		H₂SO₄	<0.01	0.01
		H <sub>2</sub> S	<0.01	<0.01
		СО	30.00	131.40
		PM	5.75	24.44
		PM <sub>10</sub>	5.75	24.44
		PM <sub>2.5</sub>	5.75	24.44
		VOC	1.80	7.88
DGEN1	ESSENTIAL SERVICE DIESEL GENERATOR 1	NO*	38.45	1.92
		SO <sub>2</sub>	0.05	<0.01
		H <sub>2</sub> SO <sub>4</sub>	<0.01	<0.01
		H <sub>2</sub> S	<0.01	<0.01
		СО	21.03	1.05
		PM	1.20	0.06
		PM <sub>10</sub>	1.20	0.06
		PM <sub>2.5</sub>	1.20	0.06
		VOC	1.86	0.09
DGEN2	ESSENTIAL SERVICE DIESEL GENERATOR 2	NO*	38.45	1.92
		SO <sub>2</sub>	0.05	<0.01
		H <sub>2</sub> SO <sub>4</sub>	<0.01	<0.01
		H <sub>2</sub> S	<0.01	<0.01
		СО	21.03	1.05
		PM	1.20	0.06
		PM <sub>10</sub>	1.20	0.06
		PM <sub>2.5</sub>	1.20	0.06
		VOC	1.86	0.09
DGEN3	ESSENTIAL SERVICE DIESEL GENERATOR 3	NO*	38.45	1.92
		SO <sub>2</sub>	0.05	<0.01
		H <sub>2</sub> SO <sub>4</sub>	<0.01	<0.01
		H₂S	<0.01	<0.01
		СО	21.03	1.05
		PM	1.20	0.06

		PM <sub>10</sub>	1.20	0.06
		PM <sub>2.5</sub>	1.20	0.06
		VOC	1.86	0.09
DGEN4	ESSENTIAL SERVICE DIESEL GENERATOR 4	NO*	38.45	1.92
		SO <sub>2</sub>	0.05	<0.01
		H <sub>2</sub> SO <sub>4</sub>	<0.01	<0.01
		H₂S	<0.01	<0.01
		СО	21.03	1.05
		РМ	1.20	0.06
		PM <sub>10</sub>	1.20	0.06
		PM <sub>2.5</sub>	1.20	0.06
		VOC	1.86	0.09
SWFP-A	SEAWATER FIREPUMP A	NO*	4.59	0.23
		SO <sub>2</sub>	<0.01	<0.01
		H₂S	<0.01	<0.01
		СО	4.02	0.20
		РМ	0.23	0.01
		PM <sub>10</sub>	0.23	0.01
		PM <sub>2.5</sub>	0.23	0.01
		VOC	0.36	0.02
SWFP-B	SEAWATER FIREPUMP B	NO*	4.59	0.23
		SO <sub>2</sub>	<0.01	<0.01
		H₂S	<0.01	<0.01
		СО	4.02	0.20
		РМ	0.23	0.01
		PM <sub>10</sub>	0.23	0.01
		PM <sub>2.5</sub>	0.23	0.01
		VOC	0.36	0.02
WGFLR-A	WET GAS FLARE A	NO*	0.08	0.30
		SO <sub>2</sub>	<0.01	<0.01
		H <sub>2</sub> SO <sub>4</sub>	<0.01	<0.01
		H₂S	<0.01	<0.01
		СО	0.65	2.56

		PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
		VOC	0.01	0.04
WGFLR-B	WET GAS FLARE B	NO*	0.08	0.30
		SO <sub>2</sub>	<0.01	<0.01
		H <sub>2</sub> SO <sub>4</sub>	<0.01	<0.01
		H <sub>2</sub> S	<0.01	<0.01
		СО	0.65	2.56
		PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
		VOC	0.01	0.04
DGFLR-A	DRY GAS FLARE A	NO*	0.17	0.67
		SO <sub>2</sub>	<0.01	<0.01
		H <sub>2</sub> SO <sub>4</sub>	<0.01	<0.01
		H <sub>2</sub> S	<0.01	<0.01
		СО	1.45	5.72
		PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
		VOC	0.02	0.10
DGFLR-B	DRY GAS FLARE B	NO*	0.17	0.67
		SO <sub>2</sub>	<0.01	<0.01
		H <sub>2</sub> SO <sub>4</sub>	<0.01	<0.01
		H <sub>2</sub> S	<0.01	<0.01
		СО	1.45	5.72
		PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
		VOC	0.02	0.10
FLAREMSS	WET AND DRY GAS FLARES COMBINED	NO*	747.10	114.00
	MSS EMISSIONS	SO <sub>2</sub>	18.24	0.26

		H <sub>2</sub> SO <sub>4</sub>	1.40	0.02
		H₂S	<0.01	<0.01
		СО	1491.50	228.00
		PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
		VOC	2539.80	390.00
VENTIG	VENT (Ignited)	NO*	100.57	2.38
		SO <sub>2</sub>	0.04	0.00
		СО	862.29	20.43
		PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
		VOC	16.68	0.13
FUG-T	TERMINAL FUGITIVE EMISSIONS (5)	VOC	0.69	3.00

(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  $SO_2$ - sulfuric acid  $H_2SO_4$ - hydrogen sulfide H<sub>2</sub>S

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

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

represented

- particulate matter equal to or less than 2.5 microns in diameter - carbon monoxide  $PM_{2.5}$ 

CO

(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.

### Permit Number GHGPSDTX158

This table lists the maximum allowable emission rates of greenhouse gas (GHG) emissions, as defined in Title 30 Texas Administrative Code § 101.1, for all sources of GHG air contaminants on the applicant's property that are authorized 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 authorized by this permit.

### Air Contaminants Data

Emission Point No. (1)	Source Name (2)	Air Contaminant	Emission Rates
		Name (3)	TPY (4)
TO1	TRAIN 1 THERMAL OXIDIZER	CO <sub>2</sub> (5)	390,557
		CH <sub>4</sub> (5)	0.75
		N <sub>2</sub> O (5)	0.08
		CO₂e	390,598
TO2	TRAIN 2 THERMAL OXIDIZER	CO <sub>2</sub> (5)	390,557
		CH <sub>4</sub> (5)	0.75
		N <sub>2</sub> O (5)	0.08
		CO <sub>2</sub> e	390,598
TO3	TRAIN 3 THERMAL OXIDIZER	CO <sub>2</sub> (5)	381,913
		CH <sub>4</sub> (5)	0.75
		N <sub>2</sub> O (5)	0.08
		CO <sub>2</sub> e	381,954
TO4	TRAIN 4 THERMAL OXIDIZER	CO <sub>2</sub> (5)	381,913
		CH <sub>4</sub> (5)	0.75
		N <sub>2</sub> O (5)	0.08
		CO₂e	381,954
TO5	TRAIN 5 THERMAL OXIDIZER	CO <sub>2</sub> (5)	381,913
		CH <sub>4</sub> (5)	0.75
		N <sub>2</sub> O (5)	0.08
		CO₂e	381,954
GT1-A	TRAIN 1 GT DRIVER A	CO <sub>2</sub> (5)	432,822
		CH <sub>4</sub> (5)	8.16
		N <sub>2</sub> O (5)	0.82
		CO₂e	433,270
GT1-B	TRAIN 1 GT DRIVER B	CO <sub>2</sub> (5)	432,822
		CH <sub>4</sub> (5)	8.16
Project Number: 317475		N <sub>2</sub> O (5)	0.82

		CO₂e	433,270
GT2-A	TRAIN 2 GT DRIVER A	CO <sub>2</sub> (5)	432,822
		CH <sub>4</sub> (5)	8.16
		N <sub>2</sub> O (5)	0.82
		CO <sub>2</sub> e	433,270
GT2-B	TRAIN 2 GT DRIVER B	CO <sub>2</sub> (5)	432,822
		CH <sub>4</sub> (5)	8.16
		N <sub>2</sub> O (5)	0.82
		CO <sub>2</sub> e	433,270
GT3-A	TRAIN 3 GT DRIVER A	CO <sub>2</sub> (5)	432,822
		CH <sub>4</sub> (5)	8.16
		N <sub>2</sub> O (5)	0.82
		CO <sub>2</sub> e	433,270
GT3-B	TRAIN 3 GT DRIVER B	CO <sub>2</sub> (5)	432,822
		CH <sub>4</sub> (5)	8.16
		N <sub>2</sub> O (5)	0.82
		CO <sub>2</sub> e	433,270
GT4-A	TRAIN 4 GT DRIVER A	CO <sub>2</sub> (5)	432,822
		CH <sub>4</sub> (5)	8.16
		N <sub>2</sub> O (5)	0.82
		CO <sub>2</sub> e	433,270
GT4-B	TRAIN 4 GT DRIVER B	CO <sub>2</sub> (5)	432,822
		CH <sub>4</sub> (5)	8.16
		N <sub>2</sub> O (5)	0.82
		CO <sub>2</sub> e	433,270
GT5-A	TRAIN 5 GT DRIVER A	CO <sub>2</sub> (5)	432,822
		CH <sub>4</sub> (5)	8.16
		N <sub>2</sub> O (5)	0.82
		CO <sub>2</sub> e	433,270
GT5-B	TRAIN 5 GT DRIVER B	CO <sub>2</sub> (5)	432,822
		CH <sub>4</sub> (5)	8.16
		N <sub>2</sub> O (5)	0.82
Project Number: 317475		CO₂e	433,270

DGEN1	ESSENTIAL SERVICE DIESEL	CO <sub>2</sub> (5)	212
	GENERATOR 1	CH <sub>4</sub> (5)	0.13
		N <sub>2</sub> O (5)	0.00
		CO₂e	215
DGEN2	ESSENTIAL SERVICE DIESEL	CO <sub>2</sub> (5)	212
	GENERATOR 2	CH <sub>4</sub> (5)	0.13
		N <sub>2</sub> O (5)	0.00
		CO₂e	215
DGEN3	ESSENTIAL SERVICE DIESEL	CO <sub>2</sub> (5)	212
	GENERATOR 3	CH <sub>4</sub> (5)	0.13
		N <sub>2</sub> O (5)	0.00
		CO <sub>2</sub> e	215
DGEN4	ESSENTIAL SERVICE DIESEL	CO <sub>2</sub> (5)	212
	GENERATOR 4	CH <sub>4</sub> (5)	0.13
		N <sub>2</sub> O (5)	0.00
		CO₂e	215
SWFP-A	SEAWATER FIREPUMP A	CO <sub>2</sub> (5)	41
		CH <sub>4</sub> (5)	0.02
		N <sub>2</sub> O (5)	0.00
		CO₂e	41
SWFP-B	SEAWATER FIREPUMP B	CO <sub>2</sub> (5)	41
		CH <sub>4</sub> (5)	0.02
		N <sub>2</sub> O (5)	0.00
		CO₂e	41
WGFLR-A	WET GAS FLARE A	CO <sub>2</sub> (5)	611
		CH <sub>4</sub> (5)	0.02
		N <sub>2</sub> O (5)	0.00
		CO₂e	664
WGFLR-B	WET GAS FLARE B	CO <sub>2</sub> (5)	611
		CH <sub>4</sub> (5)	0.02
		N <sub>2</sub> O (5)	0.00
		CO₂e	664

DGFLR-A	DRY GAS FLARE A	CO <sub>2</sub> (5)	1,366
		CH <sub>4</sub> (5)	0.04
		N <sub>2</sub> O (5)	0.00
		CO₂e	1,484
DGFLR-B	DRY GAS FLARE B	CO <sub>2</sub> (5)	1,366
		CH <sub>4</sub> (5)	0.04
		N <sub>2</sub> O (5)	0.00
		CO₂e	1,484
FLAREGHGMSS	WET AND DRY GAS FLARES COMBINED GHG MSS EMISSIONS	CO <sub>2</sub> (5)	149,415
		CH <sub>4</sub> (5)	0.00
		N <sub>2</sub> O (5)	0.00
		CO₂e	149,415
VENTIG	VENT (Ignited)	CO <sub>2</sub> (5)	5,180
		CH <sub>4</sub> (5)	16.89
		N <sub>2</sub> O (5)	0.01
		CO <sub>2</sub> e	5,605
FUG-T	TERMINAL FUGITIVE EMISSIONS	CO <sub>2</sub> (5)	0
		CH <sub>4</sub> (5)	215
		N <sub>2</sub> O (5)	0.00
		CO₂e	5,383

- (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)  $CO_2$  - carbon dioxide  $N_2O$  - nitrous oxide  $CH_4$  - methane

 $CO_2e$  - carbon dioxide equivalents based on the following Global Warming Potentials (1/2015):  $CO_2$  (1),  $CH_4$  (25),  $N_2O$  (298)

- (4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period. These rates include emissions from maintenance, startup, and shutdown.
- (5) Emission rate is given for informational purposes only and does not constitute enforceable limit.

Date:	November 13	3. 2020
Duic.	INOVCITIBLE TO	, 2020