#### Permit Number 84802

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
(1)			lbs/hour	TPY (4)
	mits for all sources in this Permit.	voc		25.72
		NO <sub>x</sub>		92.88
Individual source limit	ts are not additive.	со		28.33
Notes:	and a district of a second	PM <sub>10</sub>		18.24
totals.	ncluded in the SO <sub>x</sub> annual	SO <sub>x</sub> Note 1		5.14
Refrigerants included listed for Emiss	clude all of the refrigerants sion Point Y002.	НАР		13.15
		Ammonia		5.63
		Hydrochloric acid		2.50
		Hydrogen cyanide		0.13
		Hydrogen fluoride		2.00
		Nitric acid		0.06
		Nitrous oxide		5.50
		Refrigerants Note 2		2.70
		Sulfur trioxide		0.80
H018	Dual Chamber Incinerator	VOC	0.10	25.72
		NO <sub>x</sub>	1.10	92.88
		СО	0.80	28.33
		PM <sub>10</sub>	13.40	18.24
		SO <sub>x</sub>	0.80	5.14
		НАР	0.10	13.15

H025	Plastic Shop	voc	20.00	25.72
		НАР	20.00	13.15
T010	Vehicle Fuels	VOC	69.10	25.72
		НАР	18.60	13.15
Y002	Refrigeration Units	CFC-11	525.00	2.70
		CFC-12	100.00	2.70
		R-22	612.00	2.70
		R-23	100.00	2.70
		R-134A	263.00	2.70
		R-170	100.00	2.70
		R-401A	100.00	2.70
		R-404A	100.00	2.70
		R-407C	100.00	2.70
		R-410A	100.00	2.70
		R-500	100.00	2.70
		R-502	100.00	2.70
		R-503	100.00	2.70
		R-508b	100.00	2.70
A005	Natural Gas Pipeline	VOC	889.00	25.72
Y003 Y004	Load Leveling Engines SSEE*	NO <sub>x</sub>	423.20	92.88
R022E1 R022E2	R022E1 SSEE	СО	82.60	28.33
R022E3	SSEE *Stationary Standby	VOC	24.90	25.72
	Emergency Engines	SO <sub>x</sub>	26.20	5.14
		PM <sub>10</sub>	18.80	18.24
		HAP	7.20	13.15

1015	HE Formulation Facility North Rotoclone	VOC	12.00	25.72
		PM <sub>10</sub>	0.15	18.24
		НАР	12.00	13.15
1016	HE Formulation Facility South Rotoclone	VOC	12.00	25.72
		PM <sub>10</sub>	0.15	18.24
		НАР	12.00	13.15
I014 FUG	The HE Formulation Facility Fugitive	voc	<0.10	25.72
F022 PS-1	Stack	NO <sub>x</sub>	1.70	92.88
		СО	0.64	28.33
		VOC	17.10	25.72
		SO <sub>x</sub>	0.10	5.14
		PM <sub>10</sub>	0.10	18.24
		Ammonia	13.50	5.63
		Hydrochloric acid	0.10	2.50
		Hydrogen cyanide	0.24	0.13
		Nitric acid	1.00	0.06
		Nitrous oxide	7.70	5.50
F022 PS-2	Stack	NO <sub>x</sub>	1.70	92.88
		со	0.64	28.33
		voc	17.10	25.72
		SO <sub>x</sub>	0.10	5.14
		PM <sub>10</sub>	0.10	18.24
		Ammonia	13.50	5.63
		Hydrochloric acid	0.10	2.50
		Hydrogen cyanide	0.24	0.13

		Nitric acid	1.00	0.06
		Nitrous oxide	7.70	5.50
=022 PS-3	Stack	NOx	0.16	92.88
		со	0.01	28.33
		voc	11.93	25.72
		SO <sub>x</sub>	0.10	5.14
		PM <sub>10</sub>	0.10	18.24
		Ammonia	0.50	5.63
		Hydrochloric acid	0.10	2.50
		Hydrogen cyanide	<0.01	0.13
		Nitric acid	0.05	0.06
		Nitrous oxide	0.11	5.50
F022 PS-4	Stack	NO <sub>x</sub>	0.30	92.88
		со	0.15	28.33
		VOC	16.83	25.72
		SO <sub>x</sub>	0.50	5.14
		PM <sub>10</sub>	0.10	18.24
		Ammonia	2.00	5.63
		Hydrochloric acid	0.10	2.50
		Hydrogen cyanide	0.06	0.13
		Nitric acid	0.50	0.06
		Nitrous oxide	2.07	5.50
F022 VPC	Vacuum Pump Condensate Tank	VOC	4.10	25.72
-022 Com Fug	Fugitives	VOC	1.00	25.72
F022 Tanks	Tank Nos. 725-0355 736-1685	VOC	6.30	25.72

	799-4972 799-4973				
Y020	Cooling Towers	PM <sub>10</sub>	2.4	40	18.24
			Nat Gas	#2 Oil	
T024B1	25,000 # Boiler	NO <sub>x</sub>	3.60	6.00	92.88
		со	0.60	1.50	28.33
		voc	0.09	0.08	25.72
		SO <sub>2</sub>	0.02	6.00	5.14
		PM <sub>10</sub>	0.15	0.60	18.24
		Nitrous oxide	0.07	0.08	5.50
		Sulfur trioxide		0.03	0.80
T024B2	25,000 # Boiler	NO <sub>x</sub>	3.60	6.00	92.88
		со	0.60	1.50	28.33
		VOC	0.09	0.08	25.72
		SO <sub>2</sub>	0.02	6.00	5.14
		PM <sub>10</sub>	0.15	0.60	18.24
		Nitrous oxide	0.07	0.08	5.50
		Sulfur trioxide		0.03	0.80
T024B3	50,000 # Boiler	NO <sub>x</sub>	7.30	12.00	92.88
		СО	1.20	3.00	28.33
		VOC	0.17	0.15	25.72
		SO <sub>2</sub>	0.04	12.00	5.14
		PM <sub>10</sub>	0.30	1.20	18.24
		Nitrous oxide		0.20	5.50
		Sulfur trioxide		0.06	0.80
T024B4	50,000 # Boiler	NO <sub>x</sub>	7.30	12.00	92.88

		со	1.20	3.00	28.33
		VOC	0.17	0.15	25.72
		SO <sub>2</sub>	0.04	12.00	5.14
		PM <sub>10</sub>	0.30	1.20	18.24
		Nitrous oxide		0.20	5.50
		Sulfur trioxide		0.06	0.80
T024T1	Diesel Tank	voc		0.67	25.72
X011, X015, X022 X023, X026, X029	All Firing Sites	NO <sub>x</sub>	50	.10	92.88
X030, X031A, X031B,		со	716	6.00	28.33
E015, E034B	015, E034B	VOC	131	L.00	25.72
		SO <sub>x</sub>	8.	36	5.14
		PM <sub>10</sub>	97	.60	18.24
		НАР	76	.80	13.15
		Ammonia	1.	00	5.60
		Hydrochloric acid	24	.00	2.50
		Hydrogen cyanide	1.	00	0.13
	21 / Burn Pan 1 24 / Tray 1 25 / Tray 2 26 / Tray 3 27 / Tray 4 28 / Tray 5	Hydrogen fluoride	23	.70	2.00
		Nitrous oxide	1.	00	5.50
Name					
Y005 Y006		NO <sub>x</sub>	223	3.70	92.88
Y007 Y008		со	216	1.00	28.33
Y009 Y010		VOC	21	.60	25.72
Y011 Y012	29 / Tray 6 30 / Burn Pan 2 or	SO <sub>x</sub>	41	.50	5.14
Y013 Y014	Tray 7 31 / Tray 8 32 / Tray 9	PM <sub>10</sub>	126	5.70	18.24
Y015	43 / Flash Chamber	НАР	366	5.90	13.15
	•	•	•		

		Hydrochloric acid	229.70	2.50
		Hydrogen fluoride	45.16	2.00
T028P1	HWTPF P1	со	0.50	28.33
		VOC	2.00	25.72
		PM <sub>10</sub>	0.32	18.24
T028P2	HWTPF P2	voc	0.10	25.72
B010 B032	Storage Units	voc	31.20	25.72
T027 W024 W025		НАР	31.20	13.15

(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.

- volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1 (3) VOC

- total oxides of nitrogen  $NO_x$ - total oxides of sulfur  $SO_{x}$ 

 $SO_2$ - sulfur dioxide

- total particulate matter equal to or less than 10 microns in diameter, including PM1025, as  $PM_{10}$ 

represented

CO

carbon monoxide
hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of HAP

Federal Regulations Part 63, Subpart C

(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:	October 5, 2018