#### Permit Numbers 6289 and PDSTX76M8

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

<b>Emission Point No. (1)</b>	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
	Course Hame (2)	7 iii Goritaininant Haine (G)	lbs/hour	TPY (4)
Acrylonitrile Production U These sources are related				
S-25	SO₂ Storage Tank	SO <sub>2</sub>	0.09	0.38
BDS-5	Barge Dock Scrubber	VOC	1.05	0.72
		Acetone	0.05	0.01
FG-AN-III	Fugitives (5)	NH <sub>3</sub>	0.97	4.26
		VOC	6.28	27.49
		SO <sub>2</sub>	0.04	0.16
		СО	0.01	0.02
FG-1	Cooling Tower	NH <sub>3</sub>	1.58	11.03
		VOC	1.14	7.96
		Acetone	0.04	0.27
		PM	0.20	1.39
		PM <sub>10</sub>	0.20	1.39
		PM <sub>2.5</sub>	0.20	1.39
FL-G14	CB and I Ammonia Flare	NH <sub>3</sub>	16.56	0.16
		СО	7.98	3.15
		NO <sub>x</sub>	9.31	0.84
		SO <sub>2</sub>	0.06	0.26
FL-G32	CB and I Propylene Flare	СО	2.47	2.17
		NO <sub>x</sub>	1.24	0.26
		VOC	3.89	0.10
		SO <sub>2</sub>	0.01	0.06

Emission Sources - Maximum Allowable Emission Rates

				<u> </u>
106.95				
		NO <sub>x</sub>	10.61	21.28
		SO <sub>2</sub>	1.15	4.59
		VOC	91.57	23.86
FL-G4	Process Flare	СО	18.21	2.84
	MSS activities	NO <sub>x</sub>	3.53	0.55
		VOC	88.84	13.86
FL-G4A	Ammonia Flare	NH <sub>3</sub>	0.92	0.13
		СО	4.13	2.22
		NO <sub>x</sub>	1.32	0.34
		SO <sub>2</sub>	0.11	0.07
FL-G5	Hydrogen Cyanide	СО	5.09	8.11
	(HCN) Flare	NO <sub>x</sub>	1.14	3.31
		SO <sub>2</sub>	0.33	1.04
		VOC	2.60	11.39
G-2	Quench Water Clarifier Scrubber	VOC	1.25	0.08
	Scrubber	Acetone	0.01	0.01
H-4A and B	AOGIB No. 1 and No. 2 Absorber Off-Gas	NH <sub>3</sub>		17.80
	Incinerator/Boiler No. 1	СО		131.00
	and No. 2 Combined Annual	NO <sub>x</sub>		630.80
	Limits	РМ		18.60
		PM <sub>10</sub>		18.60
		PM <sub>2.5</sub>		18.60
		SO <sub>2</sub>		7.60
		VOC		24.97

Emission Sources - Maximum Allowable Emission Rates

		СО	105.0	
		NO <sub>x</sub>	150.0	
		PM	2.10	
		PM <sub>10</sub>	2.10	
		PM <sub>2.5</sub>	2.10	
		SO <sub>2</sub>	0.90	
		VOC	9.46	
	AOGIB No. 3	NH <sub>3</sub>	1.10	4.70
	Absorber Off-Gas Incinerator/Boiler No. 3	СО	63.0	9.70
		NO <sub>x</sub>	90.0	119.60
		PM	1.30	5.58
		PM <sub>10</sub>	1.30	5.58
		PM <sub>2.5</sub>	1.30	5.58
		SO <sub>2</sub>	0.40	1.90
		VOC	2.49	4.78
	AOGIB No. 4 Absorber Off-Gas Incinerator/Boiler No. 4	NH <sub>3</sub>	6.67	29.2
		СО	37.3	38.4
		NO <sub>x</sub>	72.1	236.8
		PM	2.55	9.29
		PM <sub>10</sub>	2.55	9.29
		PM <sub>2.5</sub>	2.55	9.29
		SO <sub>2</sub>	0.19	0.84
		VOC	6.84	13.14
S-11B	AN Rundown Tank B	VOC	0.49	-
S-11C	AN Rundown Tank C	VOC	0.49	-
S-11B and C	AN Rundown Tanks	VOC	-	1.49
S-12A	AN Product Tank A	VOC	0.64	-
S-12B	AN Product Tank B	VOC	0.64	-

S-12D	AN Product Tank D	voc	0.64	-
S-12A, B and C	AN Product Tanks	voc	-	3.84
S-21	Catalyst Trap	PM	1.02	4.46
		PM <sub>10</sub>	1.02	4.46
		PM <sub>2.5</sub>	1.02	4.46
S-22	Bag Filter	VOC	0.01	0.03
S-9A	Crude/Off Spec. AN Tank B	VOC	0.61	
S-9B	Crude/Off Spec. AN Tank A	VOC	0.61	
S-9A and B	Crude/Off Spec. AN Tanks	VOC	-	2.49
WW-1	3 Wastewater Tanks	VOC	0.21	0.50
WW-2	Oxazole Regen Tank	VOC	0.01	0.01
Acetonitrile Purification These sources are no	n <u>Unit</u> t related to Permit PSDTX76	<u> </u>	·	
ACTO-CF-1	Carbon Filter	VOC	0.15	0.03
ACTO-T35A	Rundown Tank A	VOC	0.43	0.16
ACTO-T35B	Rundown Tank B	VOC	0.12	0.16
ACTO-T35C	Rundown Tank C	VOC	0.12	0.16
ACTO-T36	Acetonitrile Tank	VOC	0.22	0.22
ACTO-T37	Light Ends Feed Tank	VOC	0.13	0.10
АСТО-Т38	Unpurified Acetonitrile Tank	VOC	0.40	0.11
S-11A	Actetonitrile Tank	VOC	0.39	0.21
RRS-6	Loading Scrubber	VOC	0.56	0.11
		Acetone	0.01	0.03
FUG	Fugitives (5)	VOC	0.76	3.34
		Acetone	0.01	0.01
	(ACH) and Hydrogen Cyanic t related to Permit PSDTX76			
AC-T-41A	ACH Rundown Tank	voc	0.32	0.08
AC-T-41B	ACH Rundown Tank	voc	0.32	0.08
	1	1		

AC-T-41C	ACH Rundown Tank	voc	0.32	0.08
AC-T-42	ACH Product Tank A	voc	1.40	0.84
S-12-C	Acetone Tank	Acetone	0.37	1.38
FG-ACH-1	Fugitives (5)	VOC	8.81	38.61
		Acetone	0.35	1.52
		Ammonia	0.01	0.01
Semi Works Operations These sources are not rel	ated to Permit PSDTX76			
SW-H-2	Startup Heater	СО	0.08	0.33
		NO <sub>x</sub>	0.53	2.34
		РМ	0.02	0.10
		PM <sub>10</sub>	0.02	0.10
		PM <sub>2.5</sub>	0.02	0.10
		SO <sub>2</sub>	0.01	0.01
		VOC	0.02	0.08
FUG	Fugitives (5)	VOC	0.97	4.23

(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) NH3 - ammonia

CO - carbon monoxide NOx - total oxides of nitrogen

SO2 - sulfur dioxide

VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1 PM - total particulate matter, suspended in the atmosphere, including PM10 and PM2.5 PM10 - total particulate matter equal to or less than 10 microns in diameter, including PM2.5

PM2.5 - particulate matter equal to or less than 2.5 microns in diameter

(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:	January 4 2023