Permit Number 9708 and PSDTX861M3

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)
BENZENE CAPS: Tanks, Cooling Towers Fugitives (5)	, Loading, and	Benzene	11.90	18.34
H₂S CAPS: Process Vents and Mai	intenance	H ₂ S	5.40	0.014
SULFURIC ACID CAP Process Vents	S (H ₂ SO ₄):	H ₂ SO ₄	12.40	54.10
CHLORINE CAPS: Process Vents		Cl ₂	0.40	0.50
HCI CAPS: Process Vents and Mai	intenance	HCI	7.10	4.29
NH₃ CAPS: Process Vents, Fugitive	es, and Maintenance	NH₃	800.40	164.80
MAINTENANCE EMIS	SIONS CAPS:	voc	3926.35	49.72
		NO _x	101.41	2.55
		со	654.79	7.60
		SO ₂	1768.80	6.13
		H ₂ S	19.31	0.05
		HCI	4.00	< 0.01
		NH ₃	700.00	0.95
		РМ	1.98	0.40

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B-10	No. 18 Boiler	NO _x	8.73	38.22
		со	34.12	66.33
		voc	1.21	5.28
		SO ₂	2.32	10.16
		РМ	1.67	7.30
		PM ₁₀	1.67	7.30
		PM _{2.5}	1.67	7.30
B-11	No. 19 Boiler	NO _x	8.73	38.23
		со	18.93	82.93
		voc	1.21	5.28
		SO ₂	2.32	10.16
		РМ	1.67	7.30
		PM ₁₀	1.67	7.30
		PM _{2.5}	1.67	7.30
B-12	600# Boiler	NO _x	49.28	172.69
		со	20.85	73.05
		voc	1.33	4.66
		SO ₂	7.58	11.91
		РМ	1.84	6.43
		PM ₁₀	1.84	6.43
		PM _{2.5}	1.84	6.43
B-22	Boiler B-22	NO _x	3.38	9.86
		со	15.95	34.92
		voc	1.21	5.31
		SO ₂	5.05	10.22

		PM	1.68	7.34
		PM ₁₀	1.68	7.34
		PM _{2.5}	1.68	7.34
B-4	No. 11 Boiler	NO _x	17.01	59.59
		со	7.57	18.32
		voc	0.48	1.59
		SO ₂	1.78	2.35
		PM	0.67	2.18
		PM ₁₀	0.67	2.18
		PM _{2.5}	0.67	2.18
B-6	No. 13 Boiler	NO _x	17.24	60.42
		СО	6.95	17.59
		VOC	0.44	1.55
		SO ₂	1.81	2.3
		PM	0.61	2.14
		PM ₁₀	0.61	2.14
		PM _{2.5}	0.61	2.14
B-8	No. 15 Boiler	NO _x (7)	40.53	65.89
		NO _x (8)	9.40	32.94
		СО	25.20	46.45
		VOC	0.84	2.34
		SO ₂	3.22	4.05
		PM	1.17	3.23
		PM ₁₀	1.17	3.23
		PM _{2.5}	1.17	3.23

B-9	No. 16 Boiler	No	10.10	00.04
	No. 10 Bollet	NO _x	13.16	32.94
		СО	13.26	46.45
		VOC	0.84	2.96
		SO ₂	3.61	5.57
		РМ	1.17	4.08
		PM ₁₀	1.17	4.08
		PM _{2.5}	1.17	4.08
H-1	No. 1 Crude Charge Heater	NO _x	18.59	46.46
	i ioatoi	СО	21.95	82.33
		voc	1.67	6.26
		SO ₂	6.96	12.04
		РМ	2.31	8.66
		PM ₁₀	2.31	8.66
		PM _{2.5}	2.31	8.66
H-11	No. 2 Crude Charge Heater (Anderson)	NO _x	3.87	14.23
	Trouter (valuereerly	со	6.53	24.01
		voc	0.50	1.83
		SO ₂	2.07	3.51
		РМ	0.69	2.52
		PM ₁₀	0.69	2.52
		PM _{2.5}	0.69	2.52
H-13	Gas Oil Frac. Heater	NO _x	4.00	17.52
		со	2.83	12.41
		voc	0.22	0.94
		SO ₂	0.90	1.82

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		PM	0.30	1.31
		PM ₁₀	0.30	1.31
		PM _{2.5}	0.30	1.31
H-14	Unifiner Charge Heater	NO _x	2.60	11.38
	Trouter	СО	1.88	8.23
		VOC	0.14	0.63
		SO ₂	0.60	1.20
		PM	0.20	0.87
		PM ₁₀	0.20	0.87
		PM _{2.5}	0.20	0.87
		NO _x	1.63	7.12
H-15	No. 1 Hydrotreater Charge Heater	СО	2.56	11.21
		VOC	0.19	0.85
		SO ₂	0.81	1.64
		PM	0.27	1.18
		PM ₁₀	0.27	1.18
		PM _{2.5}	0.27	1.18
H-18	C.C.R. Charge Heater	NO _x	17.96	52.81
	Trouter	СО	26.28	33.37
		VOC	1.94	6.47
		SO ₂	8.07	12.44
		РМ	2.68	8.94
		PM ₁₀	2.68	8.94
		PM _{2.5}	2.68	8.94
H-2	No. 1 Vacuum Charge Heater	NO _x (7)	3.71	15.47

Emission Sources - Maximum Allowable Emission Rates

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		NO _x (8)	3.08	11.52
		СО	6.24	11.66
		voc	0.47	1.77
		SO ₂	1.98	3.41
		PM	0.66	2.45
		PM ₁₀	0.66	2.45
		PM _{2.5}	0.66	2.45
H-26	No. 2 Vacuum Charge Heater	NO _x	4.06	15.76
	Charge Fleater	со	6.54	25.38
		voc	0.50	1.93
		SO ₂	2.07	3.71
		РМ	0.69	2.67
		PM ₁₀	0.69	2.67
		PM _{2.5}	0.69	2.67
H-27	"P/P" Mole Sieve Regeneration	NO _x	1.35	0.76
	Heater	СО	0.81	0.65
		voc	0.05	0.04
		SO ₂	0.22	0.22
		РМ	0.07	0.06
		PM ₁₀	0.07	0.06
		PM _{2.5}	0.07	0.06
H-28	Active Butane Oxygenate Heater	NO _x	1.16	5.08
	Saygenate Fieuter	СО	1.00	3.25
		voc	0.06	0.28
		SO ₂	0.33	1.45

		РМ	0.09	0.39
		PM ₁₀	0.09	0.39
		PM _{2.5}	0.09	0.39
H-30	Asphalt Tank Heaters (5501 and	NO _x	2.54	11.12
	5502)	со	0.82	3.57
		voc	0.05	0.23
		SO ₂	0.27	1.18
		PM	0.07	0.31
		PM ₁₀	0.07	0.31
		PM _{2.5}	0.07	0.31
H-31B	Tanks 27, 28 Heater	NO _x	0.44	1.92
		со	0.14	0.62
		voc	0.01	0.04
		SO ₂	0.05	0.20
		PM	0.01	0.05
		PM ₁₀	0.01	0.05
		PM _{2.5}	0.01	0.05
H-32	Tank Heaters ("20MS" and	NO _x	0.80	3.50
	"20M6")	со	0.56	2.46
		VOC	0.04	0.16
		SO ₂	0.19	0.82
		PM	0.05	0.22
		PM ₁₀	0.05	0.22
		PM _{2.5}	0.05	0.22

H-32C	Asphalt Tank Heater	NO _x	0.22	1.43
	"20M7"		0.33	
		СО	0.28	1.23
		voc	0.02	0.08
		SO ₂	0.09	0.41
		РМ	0.02	0.11
		PM ₁₀	0.02	0.11
		PM _{2.5}	0.02	0.11
H-33	Tank Heaters 34, 551, 121, 141, and	NOx	1.99	8.74
	552	со	1.40	6.16
		VOC	0.09	0.39
		SO ₂	0.46	2.04
		РМ	0.12	0.54
		PM ₁₀	0.12	0.54
		PM _{2.5}	0.12	0.54
H-34	C.C.D.R. Stabilizer Reboiler Heater	NO _x	3.08	20.45
	Tropolior Floator	со	2.17	8.68
		voc	0.14	0.59
		SO ₂	0.68	1.21
		РМ	0.19	0.81
		PM ₁₀	0.19	0.81
		PM _{2.5}	0.19	0.81
H-35	Tank "300M2" Heaters (4 Stacks)	NO _x	1.59	6.99
		СО	1.12	4.93
		VOC	0.07	0.31
		SO ₂	0.37	1.63

Emission Sources - Maximum Allowable Emission Rates

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		PM	0.10	0.43
		PM ₁₀	0.10	0.43
		PM _{2.5}	0.10	0.43
H-36	No. 2 Naphtha Hydrotreater Charge	NO _x	1.78	7.80
	Heater	со	4.07	8.92
		voc	0.31	1.36
		SO ₂	1.29	2.61
		РМ	0.43	1.88
		PM ₁₀	0.43	1.88
		PM _{2.5}	0.43	1.88
H-37	No. 2 Naphtha Hydrotreater Des2	NO _x	6.40	15.97
	Reboiler	со	4.53	11.32
		voc	0.34	0.86
		SO ₂	1.44	1.66
		РМ	0.48	1.19
		PM ₁₀	0.48	1.19
		PM _{2.5}	0.48	1.19
H-38	#2 Reformer Charge Heater	NO _x	13.58	42.07
	ricater	со	24.66	66.50
		voc	1.88	5.82
		SO ₂	7.82	11.18
		РМ	2.59	8.04
		PM ₁₀	2.59	8.04
		PM _{2.5}	2.59	8.04
H-39	#2 Reformer Stabilizer Reboiler	NO _x	3.47	12.78

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		СО	2.05	7.55
		VOC	0.16	0.57
		SO ₂	0.65	1.10
		РМ	0.22	0.79
		PM ₁₀	0.22	0.79
		PM _{2.5}	0.22	0.79
H-40	P.D.A. Asph. Htr.	NO _x	10.21	37.17
		со	5.65	10.29
		VOC	0.43	1.56
		SO ₂	1.79	3.01
		РМ	0.59	2.16
		PM ₁₀	0.59	2.16
		PM _{2.5}	0.59	2.16
H-41	No. 2 Crude Charge Heater	NO _x	16.40	71.83
	ricator	со	21.92	36.49
		VOC	1.67	7.31
		SO ₂	6.95	14.05
		РМ	2.31	10.10
		PM ₁₀	2.31	10.10
		PM _{2.5}	2.31	10.10
H-42	Hydrocracker Recycle Heater	NO _x	4.06	15.28
	1 to by one i floation	со	7.01	13.20
		VOC	0.53	2.01
		SO ₂	2.22	3.86
		РМ	0.74	2.78

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		PM ₁₀	0.74	2.78
		PM _{2.5}	0.74	2.78
H-43	Hydrocracker "DEC4" Reboiler	NO _x	3.31	14.49
	Heater	СО	6.17	13.51
		VOC	0.47	2.06
		SO ₂	1.96	3.95
		РМ	0.65	2.84
		PM ₁₀	0.65	2.84
		PM _{2.5}	0.65	2.84
H-45	#1 Hydrotreater Charge Heater	NO _x	2.66	11.67
	onargo ricator	СО	4.97	10.88
		VOC	0.38	1.66
		SO ₂	1.57	3.18
		PM	0.52	2.29
		PM ₁₀	0.52	2.29
		PM _{2.5}	0.52	2.29
H-46	C.C.R. Interheater	NO _x	9.53	32.77
		со	17.53	60.27
		VOC	1.12	3.84
		SO ₂	4.66	8.79
		PM	1.54	5.31
		PM ₁₀	1.54	5.31
		PM _{2.5}	1.54	5.31
H-48	Diesel Hydrotreater Charge Heater	NO _x	3.42	14.98
	onarge ricater	со	6.73	14.74

Emission Sources - Maximum Allowable Emission Rates

		voc	0.51	2.24
		SO ₂	2.13	4.31
		РМ	0.71	3.10
		PM ₁₀	0.71	3.10
		PM _{2.5}	0.71	3.10
H-51	Asphalt Tank Heater 300M3 (4 Stacks)	NO _x	0.53	2.33
	ooowo (4 otacko)	СО	1.12	4.93
		voc	0.07	0.31
		SO ₂	0.37	1.63
		РМ	0.10	0.43
		PM ₁₀	0.10	0.43
		PM _{2.5}	0.10	0.43
H-6	Dago Heater	NO _x	3.39	14.87
		со	2.01	8.78
		voc	0.15	0.67
		SO ₂	0.64	1.28
		РМ	0.21	0.92
		PM ₁₀	0.21	0.92
		PM _{2.5}	0.21	0.92
H-64	No. 4 Hydrotreater Charge Heater	NO _x	1.26	5.54
	Charge Ficaler	со	2.36	5.16
		voc	0.18	0.79
		SO ₂	0.75	1.51
		РМ	0.25	1.09
		PM ₁₀	0.25	1.09

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		PM _{2.5}	0.25	1.09
H-8	HCU Fract Charge Heater (Petrochem	NO _x	4.69	20.52
	North)	СО	6.26	27.43
		VOC	0.48	2.09
		SO ₂	1.99	4.01
		PM	0.66	2.88
		PM ₁₀	0.66	2.88
		PM _{2.5}	0.66	2.88
H-80	FCC Gas HDS Charge Heater	NO _x	3.05	13.36
		СО	6.97	30.54
		VOC	0.53	2.32
		SO ₂	2.21	4.47
		PM	0.73	3.21
		PM ₁₀	0.73	3.21
		PM _{2.5}	0.73	3.21
H-88	Acid Plant Feed Heater	NO _x	0.79	3.46
		со	0.48	0.43
		VOC	0.03	0.03
		SO ₂	0.16	0.50
		PM	0.04	0.04
		PM ₁₀	0.04	0.04
		PM _{2.5}	0.04	0.04

Emission Sources - Maximum Allowable Emission Rates

H-9	No. 2 Crude Heater	NO _x (7)	13.08	57.31
	(Petrochem South)	NO _x (8)	3.02	13.25
		CO (7)	6.26	13.72
		CO (8)	3.40	7.45
		VOC (7)	0.48	2.09
		VOC (8)	0.26	1.13
		SO ₂ (7)	1.99	4.01
		SO ₂ (8)	1.08	2.18
		PM (7)	0.66	2.88
		PM (8)	0.36	1.57
		PM ₁₀ (7)	0.66	2.88
		PM ₁₀ (8)	0.36	1.57
		PM _{2.5} (7)	0.66	2.88
		PM _{2.5} (8)	0.36	1.57
F-20	No. 1 Refinery Cooling Tower	VOC (5)	3.52	15.40
		PM	3.06	13.41
		PM ₁₀	0.51	2.24
		PM _{2.5}	<0.01	0.02
F-21	Gasoline Plant Cooling Tower	VOC (5)	2.90	12.69
	Cooming Tower	PM	2.54	11.13
		PM ₁₀	0.42	1.83
		PM _{2.5}	0.0033	0.015
F-47	No. 2 Refinery Cooling Tower	VOC (5)	2.28	9.97
	Jooning Tower	РМ	2.16	9.48
		PM ₁₀	0.30	1.29

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		PM _{2.5}	0.003	0.012
E-7	Unifiner Engine (Clark)	NO _x	4.56	19.98
		со	0.08	0.36
		voc	0.17	0.76
		SO ₂	0.01	0.01
		РМ	0.07	0.29
		PM ₁₀	0.07	0.29
		PM _{2.5}	0.07	0.29
FL-9	Brine Degas Drum	NO _x	8.21	0.99
		со	16.38	1.98
		voc	30.15	5.52
		SO ₂	0.01	0.01
FL-6	Wastewater Flare	NO _x	2.09	4.59
		со	10.66	23.38
		voc	5.00	10.94
		SO ₂	2.03	1.33
		H ₂ S	0.02	0.01
		NH₃	< 0.01	<0.01
Combined Compliance Annual Caps for Flares		NO _x	40.46	34.31
and FL-8 (11)	3. 2 2, . 2 3, . 2 .,	со	210.06	190.66
		voc	352.09	179.46
		SO ₂	19.05	15.69
		H ₂ S	6.07	0.27
FGR-SUMP	FGR Oily Water Sump	VOC	0.03	0.07
FL-7	Loading Rack Vapor Combustor	NO _x	6.12	13.24

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		СО	17.79	36.42
		VOC	18.01	16.53
		SO ₂	0.13	0.09
L-13	Railcar Loading Rack	VOC	0.25	0.15
L-14	North Railcar Rack	VOC	18.35	0.81
L-2	Asphalt Truck Loading Rack	voc	4.49	2.28
L-5/L-11	Railcar/ Truck Loading Rack	voc	13.15	17.23
L-7	Asphalt Railcar Rack	voc	0.42	1.37
V-29	Sulfuric Acid Plant Vent	SO ₂	21.67	70.17
V-20	F.C.C.U. (Fluidized Catalytic Cracking	NO _x	220.11	163.36
	Unit)	со	37.80	93.07
		voc	10.55	38.19
		SO ₂	459.69	138.69
		PM	80.00	294.02
		PM ₁₀	80.00	294.02
		PM _{2.5}	80.00	294.02
		NH ₃ (6)	40.74	146.00
		H ₂ SO ₄	12.40	41.98
		Hydrogen Cyanide	53.60	230.86
V-18	No. 1 Reformer Cat Regenerator Vent	со	3.27	14.31
	Trogenerator vent	voc	0.62	2.72
V-21	No. 2 Reformer Cat Regenerator Vent	со	70.00	3.36
		VOC	0.032	<0.01
V-13	Soda Ash Silo	PM	0.09	0.02

		PM ₁₀	0.09	0.02
		PM _{2.5}	0.09	0.02
V-14	Lime Silo Vent	PM	0.09	0.02
		PM ₁₀	0.09	0.02
		PM _{2.5}	0.09	0.02
V-17	FCC Catalyst Silo	PM	0.01	0.01
	Vent	PM ₁₀	0.01	0.01
		PM _{2.5}	0.01	0.01
V-5	SRU No. 1	NO _x	0.40	1.75
	Incinerator	СО	1.87	8.20
		VOC	0.19	0.82
		SO ₂	10.69	46.84
		H ₂ S	0.11	0.50
		PM	0.38	1.67
		PM ₁₀	0.38	1.67
		PM _{2.5}	0.38	1.67
V-16	SRU No. 2 Incinerator	NO _x	0.56	2.45
	incinerator	СО	13.66	59.82
		VOC	0.2	0.87
		SO ₂	10.96	48.01
		H ₂ S	0.12	0.51
		РМ	0.84	3.68
		PM ₁₀	0.84	3.68
		PM _{2.5}	0.84	3.68
V-30	FCCU Spent Catalyst Roll Off	PM ₁₀	<0.01	<0.01
	Boxes	PM _{2.5}	<0.01	<0.01
S-044	Tank 144	Caustic	0.01	0.01

C 142	Tonk 222	I		
S-142	Tank 232	Caustic	0.01	0.01
CARBON CAN	Carbon Canister System Fugitives (CAS1 - CAS7 & FGR Sump)	VOC	5.04	11.04
F-1CRUDE, F- 1REF_HT, F-2CRUDE, F- 2REF_HT, F-4HT, F- 85, F-HCU, F-ALKY_PDA, F-ASPHALT, F- BRINE, F-C4ISOM, F- CASING, F-CAVERN, F-FGR, F-DESALT, F- DHDSU, F- ETNKFRM, F-FCCU, F-GASBLD, F- GASPLT, F-GHDS, F-HDS_GOF, F-LPG, F-IOCTENE,	Sub cap for Fugitives (5)	VOC	175.44	753.08
F-NBULKLD, F-NTNKFRM, F-ORU, F-PENEX, F-PSA, F- PUMPSTA, F-RAILLOAD, F-RLE, F-SBULKLD, F- SRU1, F-SRU2, F-SWS, F-UNIFINER, F-WTNKFRM, F- MSAT, F-WWTP, F- AMINE2 F-MSATLOAD, F- ALKY, F-SUMP, REMEDFUG, TKOW3FUG, TKOW15FUG, 2021FUG, 2022FUG		H₂S	1.95	8.55
S-001, S-002, S-003, S-004, S-005, S-006, S-007, S-008, S-009, S-010, S-011, S-012, S-013, S-014, S-015, S-016, S-017, S-018, S-019, S-020, S-021, S-022, S-023, S-024, S-025, S-026, S-027, S-028, S-031, S-032,	Sub cap for Storage Tanks	VOC	141.70	380.94

S-033, S-035, S-037,				
S-038, S-039, S-040,				
S-042, S-043, S-045,				
S-046, S-049, S-052, S-053, S-055, S-056,				
S-057, S-058, S-059,				
S-060, S-063, S-064,				
S-065, S-066, S-067,				
S-068, S-069, S-070,				
S-071, S-072, S-073,				
S-074, S-075, S-076,				
S-086, S-090, S-095,				
S-137, S-138, S-139,				
S-140, S-141, S-143,				
S-144, S-150, S-168,				
S-173, S-174, S-175,				
S-176, S-177, S-179,				
S-180, S-183, S-184,				
S-186, S-187, S-192,				
S-194, S-195, S-196,				
S-197, S-200, S-202,				
S-203, S-204, S-218, S-229				
S-001, S-002, S-003,				
S-004, S-006, S-007,				
S-008, S-009, S-010,				
S-012, S-013, S-014,				
S-020, S-022, S-023, S-027, S-031, S-032,				
S-037, S-038, S-042,				
S-043, S-045, S-052,				
S-053, S-055, S-059,				
S-070, S-071, S-075,				
	Subcap for Crude		24.20	225.25
	Expansion Tanks	VOC	91.28	225.35
S-150, S-176, S-177,	•			
S-183, S-184, S-186,				
S-187, S-192, S-194,				
S-195, S-196, S-197,				
S-199, S-200, S-202,				
S-203, S-208, S-218,				
S-227, S-228, S-230,				
S-231, S-232, S-233,				
S-234, S-235, S-236,				
S-237				
	Wastewater Sludge Centrifuge	NO _x	0.01	0.01
	, , ,	СО	0.14	0.63

		voc	0.01	0.01
		SO ₂	0.15	0.67
OW3	Remediation Mix Oil Tank	VOC	0.01	0.03
OW15	Remediation Mix Oil Tank	VOC	0.01	0.03
TK-2020	Remediation Mix Oil Tank	VOC	0.47	0.26
TK-2021	Remediation Mix Oil Tank	VOC	0.02	0.05
TK-2022	Remediation Mix Oil Tank	voc	0.02	0.05
OW3VACTR	Remediation Vac Truck	VOC	0.63	0.03
OW15VACTR	Remediation Vac Truck	voc	0.63	0.03
2021VACTR	Remediation Vac Truck	voc	0.63	0.03
2022VACTR	Remediation Vac Truck	voc	0.63	0.03
1220TKMXX1	Rail Facility ULSD Flush Tankage	voc	0.02	0.01
1220TKTXX1	Truck Rack B100 Blend Tank	voc	4.99	0.74
1220TKTXX2	Truck Rack B100 Certification Tank	voc	4.99	1.46
1220TKTXX3	Truck Rack B100 Certification Tank	voc	4.99	0.74
1150TKTXX4	Pipeline B100 Blend Tank	voc	4.99	0.74
1150TKTXX5	Pipeline B100 Blend Tank	VOC	4.99	0.74
ADDITIVETK	Biodiesel Additive Tank	voc	0.31	0.03
MSS_ABRBLS	Abrasive Blasting Operation	РМ	0.54	0.54
	Орегалоп	PM ₁₀	0.07	0.07
		PM _{2.5}	< 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

SO₂ - sulfur dioxide

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

represented

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

represented

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

 $\begin{array}{lll} \text{CO} & - \text{ carbon monoxide} \\ \text{H}_2\text{S} & - \text{ hydrogen sulfide} \\ \text{H}_2\text{SO}_4 & - \text{ sulfuric acid} \\ \text{HCI} & - \text{ hydrogen chloride} \\ \end{array}$

NH₃ - ammonia

(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.
- (6) FCCU contribution to the ammonia cap.
- (7) These emission limits are effective until such time low-NO_x burners are installed in accordance with Special Condition 39 of Permit 9708 issued December 20, 2013.
- (8) These emission limits are effective after low-NO_x burners are installed in accordance with Special Condition 39 of Permit 9708 issued December 20, 2013.

Date:	June 10, 2015	