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
			4.00	< 0.01
			700.00	0.95
		РМ	1.98	0.40

Emission Sources - Maximum Allowable Emission Rates

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
		PM	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
		PM	1.84	6.43
		PM ₁₀	1.84	6.43
		PM _{2.5}	1.84	6.43
B-22A	Boiler B-22A	NO _x	1.38	4.03
		СО	6.52	14.28
		VOC	0.49	2.17
		SO ₂	2.06	4.18
		PM	0.69	3.00
		PM ₁₀	0.69	3.00
		PM _{2.5}	0.69	3.00
B-22B	Boiler B-22B	NO _x	2.00	5.83
		СО	9.43	20.64
		VOC	0.72	3.14
		SO ₂	2.99	6.04
		РМ	0.99	4.34
		PM ₁₀	0.99	4.34

		PM _{2.5}	0.99	4.34
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 _x	13.16	32.94
		СО	13.26	46.45
		VOC	0.84	2.96
		SO ₂	3.61	5.57
		PM	1.17	4.08
		PM ₁₀	1.17	4.08
		PM _{2.5}	1.17	4.08
H-1	No. 1 Crude Charge	NO _x	18.59	46.46
	Heater	СО	21.95	82.33
		VOC	1.67	6.26
		SO ₂	6.96	12.04

Emission Sources - Maximum Allowable Emission Rates

		PM	2.31	8.66
		PM ₁₀	2.31	8.66
		PM _{2.5}	2.31	8.66
H-11	No. 2 Crude Charge	NO _x	3.87	14.23
	Heater (Anderson)	СО	6.53	24.01
		VOC	0.50	1.83
		SO ₂	2.07	3.51
		PM	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
		PM	0.30	1.31
		PM ₁₀	0.30	1.31
		PM _{2.5}	0.30	1.31
H-14	Unifiner Charge	NO _x	2.60	11.38
	Heater	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
	Charge Heater	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	NO _x	17.96	52.81
	Heater	СО	26.28	33.37
		VOC	1.94	6.47

Emission Sources - Maximum Allowable Emission Rates

		SO ₂	8.07	12.44
		PM	2.68	8.94
		PM ₁₀	2.68	8.94
		PM _{2.5}	2.68	8.94
H-2	No. 1 Vacuum	NO _x (7)	3.71	15.47
	Charge Heater	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	NO _x	4.06	15.76
	Charge Heater	СО	6.54	25.38
		VOC	0.50	1.93
		SO ₂	2.07	3.71
		PM	0.69	2.67
		PM ₁₀	0.69	2.67
		PM _{2.5}	0.69	2.67
H-27	"P/P" Mole Sieve	NO _x	1.35	0.76
	Regeneration Heater	СО	0.81	0.65
	ricator	VOC	0.05	0.04
		SO ₂	0.22	0.22
		PM	0.07	0.06
		PM ₁₀	0.07	0.06
		PM _{2.5}	0.07	0.06
H-28	Active Butane	NO _x	1.16	5.08
	Oxygenate Heater	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

Emission Sources - Maximum Allowable Emission Rates

H-30	Asphalt Tank	NO _x	2.54	11.12
	Heaters (5501 and 5502)	СО	0.82	3.57
	0002)	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	NO _x	0.80	3.50
	("20MS" and "20M6")	СО	0.56	2.46
	Zowo j	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	0.33	1.43
	"20M7"	СО	0.28	1.23
		VOC	0.02	0.08
		SO ₂	0.09	0.41
		PM	0.02	0.11
		PM ₁₀	0.02	0.11
		PM _{2.5}	0.02	0.11
H-33	Tank Heaters 34,	NO _x	1.99	8.74
	551, 121, 141, and 552	СО	1.40	6.16
	002	VOC	0.09	0.39
		SO ₂	0.46	2.04
		PM	0.12	0.54
		PM ₁₀	0.12	0.54

Emission Sources - Maximum Allowable Emission Rates

		PM _{2.5}	0.12	0.54
H-34	C.C.D.R. Stabilizer	NO _x	3.08	20.45
	Reboiler Heater	СО	2.17	8.68
		VOC	0.14	0.59
		SO ₂	0.68	1.21
		PM	0.19	0.81
		PM ₁₀	0.19	0.81
		PM _{2.5}	0.19	0.81
H-35	Tank "300M2"	NO _x	1.59	6.99
	Heaters (4 Stacks)	СО	1.12	4.93
		VOC	0.07	0.31
		SO ₂	0.37	1.63
		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 Heater	NO _x	1.78	7.80
		СО	4.07	8.92
	ricater	VOC	0.31	1.36
		SO ₂	1.29	2.61
		PM	0.43	1.88
		PM ₁₀	0.43	1.88
		PM _{2.5}	0.43	1.88
H-37	No. 2 Naphtha	NO _x	6.40	15.97
	Hydrotreater Des2 Reboiler	СО	4.53	11.32
	repolici	VOC	0.34	0.86
		SO ₂	1.44	1.66
		PM	0.48	1.19
		PM ₁₀	0.48	1.19
		PM _{2.5}	0.48	1.19
H-38	#2 Reformer Charge	NO _x	13.58	42.07
	Heater	СО	24.66	66.50
		VOC	1.88	5.82
		SO ₂	7.82	11.18
		PM	2.59	8.04

Emission Sources - Maximum Allowable Emission Rates

		PM ₁₀	2.59	8.04
		PM _{2.5}	2.59	8.04
H-39	#2 Reformer	NO _x	3.47	12.78
	Stabilizer Reboiler	СО	2.05	7.55
	Heater	VOC	0.16	0.57
		SO ₂	0.65	1.10
		PM	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
		PM	0.59	2.16
		PM ₁₀	0.59	2.16
		PM _{2.5}	0.59	2.16
H-41	No. 2 Crude Charge	NO _x	16.40	71.83
	Heater	СО	21.92	36.49
		VOC	1.67	7.31
		SO ₂	6.95	14.05
		PM	2.31	10.10
		PM ₁₀	2.31	10.10
		PM _{2.5}	2.31	10.10
H-42	Hydrocracker	NO _x	4.06	15.28
	Recycle Heater	СО	7.01	13.20
		VOC	0.53	2.01
		SO ₂	2.22	3.86
		PM	0.74	2.78
		PM ₁₀	0.74	2.78
		PM _{2.5}	0.74	2.78
H-43	Hydrocracker	NO _x	3.31	14.49
	"DEC4" Reboiler Heater	СО	6.17	13.51
	Ποαισι	VOC	0.47	2.06
		SO ₂	1.96	3.95

Emission Sources - Maximum Allowable Emission Rates

		PM	0.65	2.84
		PM ₁₀	0.65	2.84
		PM _{2.5}	0.65	2.84
H-45	#1 Hydrotreater	NO _x	2.66	11.67
	Charge Heater	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
		СО	6.73	14.74
		VOC	0.51	2.24
		SO ₂	2.13	4.31
		PM	0.71	3.10
		PM ₁₀	0.71	3.10
		PM _{2.5}	0.71	3.10
H-51	Asphalt Tank Heater	NO _x	0.53	2.33
	300M3 (4 Stacks)	СО	1.12	4.93
		VOC	0.07	0.31
		SO ₂	0.37	1.63
		PM	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
		PM	0.21	0.92
		PM ₁₀	0.21	0.92
		PM _{2.5}	0.21	0.92
H-64	No. 4 Hydrotreater	NO _x	1.26	5.54
	Charge Heater	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
		PM _{2.5}	0.25	1.09
H-8	HCU Fract Charge	NO _x	4.69	20.52
	Heater (Petrochem North)	СО	6.26	27.43
	North	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	NO _x	3.05	13.36
	Charge Heater	СО	6.97	30.54
		VOC	0.53	2.32
		SO ₂	2.21	4.47
		РМ	0.73	3.21
		PM ₁₀	0.73	3.21
		PM _{2.5}	0.73	3.21
H-88	Acid Plant Feed	NO _x	0.79	3.46
	Heater	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	VOC (5)	3.52	15.40
	Cooling Tower	PM	3.06	13.41
		PM ₁₀	0.51	2.24
		PM _{2.5}	<0.01	0.02
F-21	Gasoline Plant	VOC (5)	2.90	12.69
	Cooling Tower	PM	2.54	11.13
		PM ₁₀	0.42	1.83
		PM _{2.5}	0.0033	0.015
F-47	No. 2 Refinery	VOC (5)	2.28	9.97
	Cooling Tower	PM	2.16	9.48
		PM ₁₀	0.30	1.29
		PM _{2.5}	0.003	0.012
E-7	Unifiner Engine	NO _x	4.56	19.98
	(Clark)	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	Princ Dogge Drum	NO	8.21	0.00
FL-9	Brine Degas Drum	NO _x		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
		H₂S	0.02	0.01
		NH ₃	< 0.01	<0.01
Combined Compliance		NO _x	40.46	34.31
Annual Caps for Flares and FL-8 (11)	s FL-1, FL-3, FL-4,	СО	210.06	190.66
and 1 L-0 (11)		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	NO _x	6.12	13.24
	Combustor	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	NO _x	220.11	163.36
	Catalytic Cracking Unit)	СО	37.80	93.07
	Ornit)	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	СО	3.27	14.31
	Regenerator Vent	VOC	0.62	2.72
V-21	No. 2 Reformer Cat	СО	70.00	3.36
	Regenerator Vent	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

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V-16	SRU No. 2 Incinerator	NO _x	0.56	2.45
	Indificiator	СО	13.66	59.82
		VOC	0.2	0.87
		SO ₂	10.96	48.01
		H ₂ S	0.12	0.51
		PM	0.84	3.68
		PM ₁₀	0.84	3.68
		PM _{2.5}	0.84	3.68
V-30	FCCU Spent	PM ₁₀	<0.01	<0.01
	Catalyst Roll Off Boxes	PM _{2.5}	<0.01	<0.01
S-044	Tank 144	Caustic	0.01	0.01
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-	Sub cap for Fugitives (5)	VOC	175.44	753.08
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, 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		H₂S	1.95	8.55

	<u> </u>			
F-MSATLOAD, F- ALKY, F-SUMP, REMEDFUG, TKOW3FUG, TKOW15FUG, 2021FUG, 2022FUG				
S-001, S-002, S-003, S-004, 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-020, S-021, S-022, S-023, S-024, S-025, S-026, S-027, S-028, S-031, S-032, S-033, S-035, S-037, S-038, S-035, S-037, S-038, S-039, S-040, S-042, 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-187, S-192, S-194, S-195, S-196, S-197, S-200, S-202, S-203, S-204, S-218, S-229	Sub cap for Storage Tanks	VOC	141.70	380.94
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 Expansion Tanks	VOC	91.28	225.35

S-095, S-137, S-138, S-141, S-143, S-144, S-150, S-176, S-177, S-183, S-184, S-184, S-186, S-187, S-199, S-200, S-202, S-203, S-208, S-218, S-227, S-228, S-233, S-234, S-235, S-236, S-237
Centrifuge CO O.14 O.63 VOC SO ₂ O.15 O.67 OW3 Remediation Mix Oil Tank VOC Remediation Mix Oil Tank VOC Remediation Mix Oil Tank VOC O.01 O.03 O.03 O.03 O.047 O.03
OW3 Remediation Mix Oil Tank VOC 0.01 0.01 OW15 Remediation Mix Oil Tank VOC 0.01 0.03 OW15 Remediation Mix Oil Tank VOC 0.01 0.03 OW2 Remediation Mix Oil Tank VOC 0.01 0.03 OW3 Remediation Mix Oil Tank VOC 0.01 0.03
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 VOC 0.47 0.26
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 VOC 0.47 0.26
OW3 Tank VOC 0.01 0.03 OW15 Remediation Mix Oil Tank VOC 0.01 0.03 TK-2020 Remediation Mix Oil VOC 0.47 0.26
Tank Tank Remediation Mix Oil VOC 0.01 0.03
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	PM	0.54	0.54
	Operation	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

 $\begin{array}{lll} \text{CO} & - \text{ carbon monoxide} \\ \text{H}_2\text{S} & - \text{ hydrogen sulfide} \\ \text{H}_2\text{SO}_4 & - \text{ sulfuric acid} \\ \text{HCl} & - \text{ hydrogen chloride} \\ \text{NH}_3 & - \text{ ammonia} \end{array}$

(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:	July 31, 2015	