

Major NSR Summary Table

Permit Numbers: 50607, PSDTX331M1, PSDTX804, and PSDTX1017M1					Issuance Date: <del>August 22, 2023</del> August 29, 2025		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
Normal Operations Emission Cap (10)	Combustion Units, Cooling Towers, Flares/Vapor Combustor, Fugitives(5), Loading, Process Vents, Storage Tanks, and Wastewater	Benzene	10.59	11.70	2, 3, 4, 9	2, 3, 4, 9, 46	2, 3, 4
Normal Operations Emission Cap (10)	Combustion Units, Flares/Vapor or Combustor, Fugitives, Process Vents, and Storage Tanks	H <sub>2</sub> S	2.85	6.90	2, 4, 23	2, 4, 18, 46	2, 4, 18
H-028	Crude Charge Heater 1(100-H1)	NO <sub>x</sub>	11.18	23.41	2, 4, 40, 41, 42, 44	2, 4, 41, 42, 44, 46	2, 4, 44, 45
		CO	14.61	44.41			
		VOC	1.10	4.80			
		SO <sub>2</sub>	15.53	14.52			
		PM	1.51	6.63			

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			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		PM10	1.51	6.63			
		PM2.5	1.51	6.63			
H-036	Crude Charge Heater 2(100-H2)	NO <sub>x</sub>	11.18	31.56	2, 4, 40, 41, 42, 44	2, 4, 41, 42, 44, 46	2, 4, 44, 45
		CO	14.61	55.54			
		VOC	1.10	4.80			
		SO <sub>2</sub>	13.53	14.52			
		PM	1.51	6.63			
		PM10	1.51	6.63			
		PM2.5	1.51	6.63			
H-016	Vacuum Unit Charge Heater (14-H1401)	NO <sub>x</sub>	4.95	21.66	2, 4, 40, 42, 44	2, 4, 42, 44, 46	2, 4, 44, 45
		CO	8.43	18.45			
		VOC	0.76	3.34			
		SO <sub>2</sub>	9.41	10.10			
		PM	1.05	4.62			

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			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		PM10	1.05	4.62			
		PM2.5	1.05	4.62			
H-021	ROSE "DAO" Heater(160-H1)	NO <sub>x</sub>	1.90	8.31	2, 4, 40, 43	2, 4, 43, 46	2, 4
		CO	2.41	5.27			
		VOC	0.22	0.96			
		SO <sub>2</sub>	2.70	2.89			
		PM	0.30	1.32			
		PM10	0.30	1.32			
		PM2.5	0.30	1.32			
H-022	Asphalt Heater (160-H2)	NO <sub>x</sub>	0.98	4.22	2, 4, 40	2, 4, 46	2, 4
		CO	1.62	3.51			
		VOC	0.15	0.64			
		SO <sub>2</sub>	1.81	1.92			
		PM	0.20	0.88			

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			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		PM10	0.20	0.88			
		PM2.5	0.20	0.88			
H-020	Isostripper Reboiler Heater (440-H1)	NO <sub>x</sub>	1.99	4.90	2, 4, 40, 43	2, 4, 43, 46	2, 4
		CO	3.08	3.79			
		VOC	0.27	0.67			
		SO <sub>2</sub>	1.90	1.53			
		PM	0.37	0.92			
		PM10	0.37	0.92			
		PM2.5	0.37	0.92			
B-007	"BTX" Boiler (54-F1)	NO <sub>x</sub>	12.33	34.16	2, 4, 40, 41, 42, 44	2, 4, 41, 42, 44, 46	2, 4, 44, 45
		CO	18.02	27.76			
		VOC	1.26	4.70			
		SO <sub>2</sub>	0.17	0.48			
		PM	1.74	6.49			

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			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		PM10	1.74	6.49			
		PM2.5	1.74	6.49			
H-043	Reformate Splitter Heater No. 1.(54-H101)	Nox	4.27	9.86	2, 4, 40	2, 4, 46	2, 4
		CO	4.24	4.90			
		VOC	0.38	0.89			
		SO2	4.73	2.68			
		PM	0.53	1.22			
		PM10	0.53	1.22			
		PM2.5	0.53	1.22			
H-044	Reformate Splitter Heater No. 2(54-H102)	Nox	1.78	5.75	2, 4, 40, 43	2, 4, 43, 46	2, 4
		CO	3.03	4.90			
		VOC	0.27	0.89			
		SO2	3.38	2.68			
		PM	0.38	1.22			

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			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		PM10	0.38	1.22			
		PM2.5	0.38	1.22			
B-004	Boiler 6F1-A and Boiler 6F1-B (6F1-A & 6F1-B)	NO <sub>x</sub>	25.97	72.43	2, 4, 40	2, 4, 46	2, 4
		CO	9.18	12.80			
		VOC	0.80	2.23			
		SO <sub>2</sub>	5.66	5.16			
		PM	1.11	3.08			
		PM10	1.11	3.08			
		PM2.5	1.11	3.08			
B-006	East Plant Boiler (6-F2)	NO <sub>x</sub>	13.07	49.82	2, 4, 40	2, 4, 46	2, 4
		CO	6.81	12.98			
		VOC	0.59	2.24			
		SO <sub>2</sub>	0.08	0.23			
		PM	0.81	3.09			

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			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		PM10	0.81	3.09			
		PM2.5	0.81	3.09			
H-041	DOT H2 Recycle Furnace(F2201)	NO <sub>x</sub>	3.40	10.43	2, 4, 40, 43	2, 4, 43, 46	2, 4
		CO	2.90	4.44			
		VOC	0.26	0.80			
		SO <sub>2</sub>	3.24	2.43			
		PM	0.36	1.11			
		PM10	0.36	1.11			
		PM2.5	0.36	1.11			
H-039	No. 1 SRU Hot Oil Heater (H101)	NO <sub>x</sub>	0.69	1.60	2, 4, 40	2, 4, 46	2, 4
		CO	0.43	0.50			
		VOC	0.04	0.08			
		SO <sub>2</sub>	0.27	0.20			
		PM	0.05	0.11			

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			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		PM10	0.05	0.11			
		PM2.5	0.05	0.11			
H-047	No. 2 SRU Hot Oil Heater (H401)	NO <sub>x</sub>	1.84	6.58	2, 4, 40	2, 4, 46	2, 4
		CO	2.06	3.69			
		VOC	0.18	0.65			
		SO <sub>2</sub>	2.28	2.00			
		PM	0.25	0.91			
		PM10	0.25	0.91			
		PM2.5	0.25	0.91			
H-015A	Lubricating Oil Crude Atmospheric Heater (H1001)	NO <sub>x</sub>	0.58	2.53	2, 4, 40	2, 4, 46	2, 4
		CO	1.01	2.20			
		VOC	0.09	0.38			
		SO <sub>2</sub>	0.02	0.04			
		PM	0.12	0.53			



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			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		PM10	0.12	0.53			
		PM2.5	0.12	0.53			
H-015B	Lubricating Oil Crude Atmospheric Heater (H1002)	NO <sub>x</sub>	0.32	1.41	2, 4, 40	2, 4, 46	2, 4
		CO	0.55	1.23			
		VOC	0.05	0.22			
		SO <sub>2</sub>	0.01	0.03			
		PM	0.06	0.30			
		PM10	0.06	0.30			
		PM2.5	0.06	0.30			
H-037	HDU Charge Heater 2 (H101)	NO <sub>x</sub>	2.68	8.68	2, 4, 40, 43	2, 4, 43, 46	2, 4
		CO	3.02	4.88			
		VOC	0.26	0.85			
		SO <sub>2</sub>	1.86	1.96			
		PM	0.36	1.17			

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			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		PM10	0.36	1.17			
		PM2.5	0.36	1.17			
H-038	HDU Reboiler Heater 2 (H102)	NO <sub>x</sub>	1.85	4.65	2, 4, 40, 43	2, 4, 43, 46	2, 4
		CO	2.86	3.60			
		VOC	0.25	0.63			
		SO <sub>2</sub>	1.76	1.45			
		PM	0.34	0.87			
		PM10	0.34	0.87			
		PM2.5	0.34	0.87			
H-014	Crude Charge Heater 3 (H1102)	NO <sub>x</sub>	4.16	13.11	2, 4, 40	2, 4, 46	2, 4
		CO	5.51	8.69			
		VOC	0.50	1.58			
		SO <sub>2</sub>	6.16	4.76			
		PM	0.69	2.18			

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			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		PM10	0.69	2.18			
		PM2.5	0.69	2.18			
H-034	H.C.U. Recycle Heater (H1401)	NO <sub>x</sub>	3.47	11.24	2, 4, 40, 43	2, 4, 43, 46	2, 4
		CO	4.29	6.95			
		VOC	0.37	1.21			
		SO <sub>2</sub>	2.64	2.80			
		PM	0.52	1.67			
		PM10	0.52	1.67			
		PM2.5	0.52	1.67			
H-035	H.C.U. Debutanizer Reboiler Heater (H1402)	NO <sub>x</sub>	3.39	11.67	2, 4, 40, 43	2, 4, 43, 46	2, 4
		CO	5.24	9.02			
		VOC	0.46	1.57			
		SO <sub>2</sub>	3.23	3.63			
		PM	0.63	2.17			

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			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		PM10	0.63	2.17			
		PM2.5	0.63	2.17			
H-018	H.C.U. Fractionation Heater(H1501A)	NO <sub>x</sub>	2.40	10.51	2, 4, 40, 43	2, 4, 43, 46	2, 4
		CO	3.71	16.22			
		VOC	0.32	1.42			
		SO <sub>2</sub>	2.28	3.27			
		PM	0.45	1.96			
		PM10	0.45	1.96			
		PM2.5	0.45	1.96			
H-019	H.C.U. Fractionation Heater(H1501B)	NO <sub>x</sub>	2.40	8.02	2, 4, 40, 43	2, 4, 43, 46	2, 4
		CO	3.71	6.20			
		VOC	0.32	1.09			
		SO <sub>2</sub>	2.28	2.50			
		PM	0.45	1.50			

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			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		PM10	0.45	1.50			
		PM2.5	0.45	1.50			
H-045	DHT Charge Heater (H28001)	NO <sub>x</sub>	1.91	8.37	2, 4, 40	2, 4, 46	2, 4
		CO	2.28	4.99			
		VOC	0.21	0.91			
		SO <sub>2</sub>	2.55	2.73			
		PM	0.28	1.25			
		PM10	0.28	1.25			
		PM2.5	0.28	1.25			
H-046	Fractionator Feed Heater (H28002)	NO <sub>x</sub>	2.69	11.76	2, 4, 40, 43	2, 4, 43, 46	2, 4
		CO	3.56	7.79			
		VOC	0.32	1.41			
		SO <sub>2</sub>	3.97	4.26			
		PM	0.44	1.95			

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			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		PM10	0.44	1.95			
		PM2.5	0.44	1.95			
H-023	Dowtherm Heater(160-H3)	NOx	0.09	0.27	2, 4, 40	2, 4, 46	2, 4
		CO	0.15	0.22			
		VOC	0.01	0.04			
		SO2	0.17	0.13			
		PM	0.02	0.06			
		PM10	0.02	0.06			
		PM2.5	0.02	0.06			
H-004	Process Oil Treater (POT) (H401)	NOx	0.41	1.79	2, 4, 40	2, 4, 46	2, 4
		CO	0.72	3.12			
		VOC	0.06	0.27			
		SO2	0.01	0.03			
		PM	0.09	0.37			

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			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		PM10	0.09	0.37			
		PM2.5	0.09	0.37			
H-031	No. 1 HDU Stripper Reboiler Heater (H501)	NO <sub>x</sub>	0.79	3.44	2, 4, 40	2, 4, 46	2, 4
		CO	1.32	5.79			
		VOC	0.12	0.51			
		SO <sub>2</sub>	1.46	1.57			
		PM	0.16	0.71			
		PM10	0.16	0.71			
		PM2.5	0.16	0.71			
H-010	No. 1 HDU Reactor Charge Heater(H502)	NO <sub>x</sub>	1.05	4.59	2, 4, 40	2, 4, 46	2, 4
		CO	1.76	7.71			
		VOC	0.16	0.69			
		SO <sub>2</sub>	1.95	2.09			
		PM	0.22	0.96			

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			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		PM10	0.22	0.96			
		PM2.5	0.22	0.96			
H-030	No. 2 Reformer Charge Heaters (H201, H203, H204)	NO <sub>x</sub>	19.06	-	2, 4, 40, 41, 42, 44	2, 4, 41, 42, 44, 46	2, 4, 44, 45
		CO	13.63	-			
		VOC	2.38	-			
		SO <sub>2</sub>	16.78	-			
		PM	3.29	-			
		PM10	3.29	-			
		PM2.5	3.29	-			
H-032	No. 2 Reformer Charge Heater (H202)	NO <sub>x</sub>	12.27	-	2, 4, 40, 41, 42, 44	2, 4, 41, 42, 44, 46	2, 4, 44, 45
		CO	11.16	-			
		VOC	0.97	-			
		SO <sub>2</sub>	6.87	-			
		PM	1.35	-			



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			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		PM10	1.35	-			
		PM2.5	1.35	-			
H-033	No. 2 Reformer Stab. Reboiler (H205)	NO <sub>x</sub>	2.25	-	2, 4, 40, 43	2, 4, 43, 46	2, 4
		CO	3.48	-			
		VOC	0.30	-			
		SO <sub>2</sub>	2.14	-			
		PM	0.42	-			
		PM10	0.42	-			
		PM2.5	0.42	-			
H-012	No.1 Reformer Charge Heaters (H504, H505A, H505B)	No <sub>x</sub>	5.41	-	2, 4, 40, 43	2, 4, 43, 46	2, 4
		CO	6.34	-			
		VOC	0.57	-			
		SO <sub>2</sub>	7.00	-			
		PM	0.78	-			

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		PM10	0.78	-			
		PM2.5	0.78	-			
H-013	No. 1 Stabilizer Reboiler Heater (H506)	Nox	1.86	-	2, 4, 40	2, 4, 46	2, 4
		CO	1.05	-			
		VOC	0.09	-			
		SO2	1.15	-			
		PM	0.13	-			
		PM10	0.13	-			
		PM2.5	0.13	-			
H-030, H-032, H-033, H-012, and H-013	Subcaps for No.1 and No.2 Reformers Unit Heaters (H504, H505A,	Nox	-	91.88	2, 4, 40	2, 4, 46	2, 4
		CO	-	59.57			
		VOC	-	10.46			
		SO2	-	26.77			
		PM	-	14.46			

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			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
	H505B, H506, H201, H202, H203, H204, H205)	PM10	-	14.46			
		PM2.5	-	14.46			
S-036, S-119, S-120, S-130, S-680-6, S-680-7, S-680-8, S-680-9, S-680-21	Subcaps for Storage Tanks	VOC	9.38	27.36	2, 3, 4, 5, 9	2, 3, 4, 5, 9, 46	2, 3, 4
FL-003, FL-004, FL-006 and FL-501	Subcaps for Flares	Nox	15.59	18.83	2, 4, 7, 40, 60	2, 4, 7, 46	2, 4
		CO	80.33	96.98			
		VOC	63.01	117.58			
		SO2	5.17	7.00			
F-28, F-100 (#1 Crude, Desalter), F-400, F-500,					2, 3, 4, 5, 12, 13, 14, 23, 35	2, 3, 4, 5, 12, 13, 14, 35, 46	2, 3, 4

Major NSR Summary Table

Permit Numbers: 50607, PSDTX331M1, PSDTX804, and PSDTX1017M1					Issuance Date: <del>August 22, 2023</del> August 29, 2025		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
F-620, F-660 (EplFlareE, EplFlareS, West Plant Flare System), F-700, F-820, F-830S, F-850 (S Merox Unit, Tank Farm), F-900, F-1000, F-1200, F-1400, F-1500, F-2000, F-2100, F-2200 (DOT/Ref Splitter, East Plant Alky Splitter), F-2300(SWS), F-2400 (FCCU, FCCU Gas Con, FCCU Merox),	VOC and NH3 Subcaps for Equipment Fugitives (5)(10)	VOC	<del>130.66</del> 130.80	<del>572.32</del> 572.93			
		NH3	0.01	0.04			

Major NSR Summary Table

Permit Numbers: 50607, PSDTX331M1, PSDTX804, and PSDTX1017M1					Issuance Date: <del>August 22, 2023</del> August 29, 2025		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
F-2500, F-2600, F-2700, F-2800 (EP Cool Twr, EP Utilities), F-3700 (HCU, HCU Hot OilDrum), F-3800, F-3900 (LEU, HCU), F-4000, F-4300, F-5400, F-2600N, F-660N, F-660 (EplFlareW), F-680 (WWTP Tanks), F-680W, F-800E, F-800W, F-830 (RAIL,							

Major NSR Summary Table

Permit Numbers: 50607, PSDTX331M1, PSDTX804, and PSDTX1017M1					Issuance Date: <del>August 22, 2023</del> August 29, 2025		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
West Rack), F-830E, F-830N, F-830W, F-850N, F-850S, F- ROSE							
F-0670	No.1 West Plant Cooling Tower (5)	VOC	0.25	1.10	2, 4, 22	2, 4, 22, 46	2, 4
		PM	0.36	1.58			
		PM10	0.14	0.60			
		PM2.5	0.01	0.01			
F-2810	East Plant Cooling Tower (5)	VOC	1.68	7.36	2, 4, 22	2, 4, 22, 46	2, 4
		PM	2.40	10.52			
		PM10	0.36	1.58			
		PM2.5	0.01	0.01			
F-3670	No. 2 West Plant Cooling Tower (5)	VOC	0.59	2.58	2, 4, 22	2, 4, 22, 46	2, 4
		PM	0.84	3.68			
		PM10	0.32	1.41			

Major NSR Summary Table

Permit Numbers: 50607, PSDTX331M1, PSDTX804, and PSDTX1017M1					Issuance Date: <del>August 22, 2023</del> August 29, 2025		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		PM2.5	0.01	0.01			
F-0680	F-0680 Open-Top Biotreatment	VOC	23.08	36.23	2, 4, 7	2, 4, 46	2, 4
F-0671	No. 2 API Separator	VOC	0.48	0.95	2, 4, 7	2, 4, 46	2, 4
F-0682	Crude Unit Sump	VOC	3.70	6.50	2, 4, 7	2, 4, 46	2, 4, 7
F-0683	No. 1 Reformer Sump	VOC	1.66	3.31	2, 4, 7	2, 4, 46	2, 4
F-0684	600 Unit Sump	VOC	0.01	0.03	2, 4, 7	2, 4, 46	2, 4
F-0685	R. R. Rack Sump	VOC	0.10	0.20	2, 4, 7	2, 4, 46	2, 4
F-0686	Truck Loading Sump	VOC	0.09	0.18	2, 4, 7	2, 4, 46	2, 4
F-0687	Land Farm	VOC	2.26	4.50	2, 4, 7	2, 4, 46	2, 4
F-0688	Vacuum Unit Sump	VOC	2.08	4.14	2, 4, 7	2, 4, 46	2, 4
F-0689	Crude Unload Sump	VOC	0.24	0.47	2, 4, 7	2, 4, 46	2, 4
F-3110	No. 2 Reformer Sump	VOC	0.59	1.18	2, 4, 7	2, 4, 46	2, 4
V-006		CO	37.50	1.50	2, 4, 7	2, 4, 46	2, 4, 7

Major NSR Summary Table

Permit Numbers: 50607, PSDTX331M1, PSDTX804, and PSDTX1017M1					Issuance Date: <del>August 22, 2023</del> August 29, 2025		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
	No. 1 Reformer Regeneration Vent	Cl <sub>2</sub>	0.40	0.02			
		VOC	1.40	0.06			
V-007	No. 2 Reformer Regeneration Vent	CO	5.00	14.02	2, 4,	2, 4, 46	2, 4
		Cl <sub>2</sub>	0.01	0.04			
		VOC	0.04	0.13			
V-010	FCCU Regeneration Vent	NO <sub>x</sub>	62.69	28.82	2, 4, 28 30, 37, 40, 41, 44, 62	2, 4, 28, 30, 37, 41, 44, 46, 62	2, 4, 37, 44, 45, 63
		CO	195.47	184.29			
		VOC	6.16	14.51			
		SO <sub>2</sub>	43.64	52.65			
		PM	30.00	69.98			
		PM <sub>10</sub>	25.11	58.58			
		PM <sub>2.5</sub>	25.11	58.58			
		H <sub>2</sub> SO <sub>4</sub>	13.69	59.96			
		O <sub>3</sub>	13.08	31.62			

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Major NSR Summary Table

Permit Numbers: 50607, PSDTX331M1, PSDTX804, and PSDTX1017M1					Issuance Date: <del>August 22, 2023</del> August 29, 2025		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		HCN	19.49	45.47			
V-008, V-009	Subcaps for Sulfur Plants	Nox	6.83	19.32	2, 4, 15, 38, 40, 41, 44, 48	2, 4, 15, 16, 17, 18, 20, 38, 41, 44, 46, 48	2, 4, 18, 38, 44, 45, 48
		CO	29.09	82.32			
		VOC	12.21	34.56			
		SO2	38.88	98.27			
		PM	0.37	1.02			
		PM10	0.37	1.02			
		PM2.5	0.37	1.02			
		TRS	2.63	9.51			
L-001	Oil Truck Loading Rack	VOC	0.02	0.02		27, 46	27
L-002	Gasoline Truck Loading Rack	VOC	9.09	3.46	4	4, 24, 27, 46	4, 24, 27
L-004	Tank Car Loading Rack	VOC	0.01	0.01		27, 46	27
VCU-1	Loading Rack Vapor Combustor	Nox	3.01	0.71	2, 4, 47, 48	2, 4, 46, 47, 48	2, 4
		CO	8.75	2.07			

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Major NSR Summary Table

Permit Numbers: 50607, PSDTX331M1, PSDTX804, and PSDTX1017M1					Issuance Date: <del>August 22, 2023</del> August 29, 2025		
Emission Point No. (1)	Source Name (2)	Air Contamina nt Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Applicati on Information	Special Condition/Applicati on Information	Special Condition/Applicati on Information
		VOC	17.98	6.88			
VCU-2	WWTP Vapor Combustor	VOC	1.41	2.09	2, 3, 8, 39	2, 3, 8, 39, 46	2, 3, 39
		Nox	0.30	0.86			
		CO	2.51	6.93			
		SO2	0.19	0.16			
		PM	0.03	0.10			
		PM10	0.03	0.10			
		PM2.5	0.03	0.10			
Planned Maintenance, Startup, and Shutdown (MSS) Emission Limitations							
		VOC (6) (7)	4,711.24	75.49	50, 51, 52, 53, 54, 55, 59, 60	49, 50, 51, 52, 53, 54, 55, 56, 58, 59, 60	50, 51, 52, 53, 54, 55, 59, 60
		Nox (6) (7)	305.53	<del>46.34</del> 27.47			
		CO (6) (7)	1,202.92	<del>43.42</del> 100.45			
		SO2 (6) (7)	894.13	61.04			
		PM (6) (7)	4.54	0.66			

Major NSR Summary Table

Permit Numbers: 50607, PSDTX331M1, PSDTX804, and PSDTX1017M1					Issuance Date: <del>August 22, 2023</del> <u>August 29, 2025</u>		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
Cooling Towers, Combustion Units, Flares/Vapor Combustor Fugitives (5), Loading, Process Vents, Storage Tanks, and Wastewater		PM10 (6) (7)	4.54	0.66			
		PM2.5 (6) (7)	4.54	0.66			
		H2S (6) (7)	2.65	0.51			
		Benzene (6) (7) (8)	90.70	2.65			
		CS2 (7)	0.33	0.02			
		COS (7)	1.89	0.11			
Standard Permit (SP) sources incorporated by reference. Sources remain authorized by the SP(s) as listed below:							
Registration Number 83511							
B-010	BTX Boiler	Nox	5.10	22.34	42, 44	44, 42, 46	44, 45
		CO	12.31	53.93			
		VOC	1.83	8.03			
		NH3	1.49	6.55			
		SO2	4.55	19.93			

**Major NSR Summary Table**

Permit Numbers: 50607, PSDTX331M1, PSDTX804, and PSDTX1017M1					Issuance Date: <del>August 22, 2023</del> <u>August 29, 2025</u>		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		PM	2.53	11.10			
		PM10	2.53	11.10			
		PM2.5	2.53	11.10			

- (1) Emission point identification - either specific equipment designation or emission point number (EPN) from a plot plan.
- (2) Specific point source names. For fugitive sources, use an area name or fugitive source name.
- (3)
- VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
  - NO<sub>x</sub> - total oxides of nitrogen
  - CO - carbon monoxide
  - SO<sub>2</sub> - sulfur dioxide
  - PM - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>
  - PM<sub>10</sub> - particulate matter equal to or less than 10 microns in diameter
  - PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter
  - Cl<sub>2</sub> - chlorine
  - COS - carbonyl sulfide
  - CS<sub>2</sub> - carbon disulfide
  - H<sub>2</sub>S - hydrogen sulfide
  - H<sub>2</sub>SO<sub>4</sub> - sulfuric acid
  - NH<sub>3</sub> - ammonia
  - TRS - total reduced sulfur
  - O<sub>3</sub> - ozone
  - HCN - hydrogen cyanide
- (4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
- (5) Emission rate is an estimate and compliance is demonstrated by meeting the requirements of the applicable special conditions and permit

application representations.

- (6) Planned MSS VOC, NO<sub>x</sub>, CO, SO<sub>2</sub>, PM<sub>10</sub>, H<sub>2</sub>S, and Benzene allowable emissions are NOT included in the Normal Operations Emission Caps.
- (7) Beginning January 1, 2013, MSS emissions shall be based on a rolling 12-month period.
- (8) Benzene MSS allowables are included in the VOC allowables.
- (9) Ammonia fugitive allowable emissions are specified by EPN.
- (10) These emission caps have been carried forward from the flexible permit and do not include MSS emissions. The caps have been lowered to equal the sum of the normal operation individual limits and subcaps. The caps do not include emissions from EPN B-010, incorporated by reference from Standard Permit 83511.

## Texas Commission on Environmental Quality

Title V Existing

1450

### Site Information (Regulated Entity)

What is the name of the permit area to be authorized?	VALERO THREE RIVERS REFINERY
County	LIVE OAK
Latitude (N) (##.#####)	28.456666
Longitude (W) (-###.#####)	98.184444
Primary SIC Code	2911
Secondary SIC Code	
Primary NAICS Code	324110
Secondary NAICS Code	
Regulated Entity Site Information	
What is the Regulated Entity's Number (RN)?	RN100542802
What is the name of the Regulated Entity (RE)?	VALERO THREE RIVERS REFINERY
Does the RE site have a physical address?	No
Because there is no physical address, describe how to locate this site:	ON 301 LEROY ST
City	THREE RIVERS
State	TX
ZIP	78071
County	LIVE OAK
Latitude (N) (##.#####)	28.45833
Longitude (W) (-###.#####)	-98.18778
Facility NAICS Code	
What is the primary business of this entity?	INDUSTRIAL PETROLEUM REFINING

### Customer (Applicant) Information

How is this applicant associated with this site?	Owner Operator
What is the applicant's Customer Number (CN)?	CN600124861
Type of Customer	Partnership
Full legal name of the applicant:	
Legal Name	Diamond Shamrock Refining Company, L.P.
Texas SOS Filing Number	7190711
Federal Tax ID	742691167
State Franchise Tax ID	17426911677
State Sales Tax ID	
Local Tax ID	
DUNS Number	71667422
Number of Employees	251-500
Independently Owned and Operated?	

### Responsible Official Contact

Person TCEQ should contact for questions about this application:

Organization Name	VALERO REFINING TEXAS LP
Prefix	MR
First	ERIK
Middle	
Last	SIMPSON
Suffix	
Credentials	
Title	VICE PRESIDENT AND GENERAL MANAGER
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	PO BOX 490
Routing (such as Mail Code, Dept., or Attn:)	
City	THREE RIVERS
State	TX
ZIP	78071
Phone (###-###-####)	3617868318
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	Erik.simpson@valero.com

## Technical Contact

Person TCEQ should contact for questions about this application:

Select existing TC contact or enter a new contact.

Organization Name	Diamond Shamrock Refining Company LP
Prefix	MR
First	Erich
Middle	
Last	Potthast
Suffix	
Credentials	
Title	ENVIRONMENTAL SUPERINTENDENT
Enter new address or copy one from list:	
Mailing Address	Responsible Official Contact
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	PO BOX 490
Routing (such as Mail Code, Dept., or Attn:)	
City	THREE RIVERS
State	TX
ZIP	78071
Phone (###-###-####)	3617868207
Extension	
Alternate Phone (###-###-####)	

Fax (###-###-####)

E-mail

erich.pothast@valero.com

## Title V General Information - Existing

1) Permit Type:	SOP
2) Permit Latitude Coordinate:	28 Deg 27 Min 24 Sec
3) Permit Longitude Coordinate:	98 Deg 11 Min 4 Sec
4) Is this submittal a new application or an update to an existing application?	New Application
4.1. What type of permitting action are you applying for?	Streamlined Revision
4.1.1. Are there any permits that should be voided upon issuance of this permit application through permit conversion?	No
4.1.2. Are there any permits that should be voided upon issuance of this permit application through permit consolidation?	No
5) Does this application include Acid Rain Program or Cross-State Air Pollution Rule requirements?	No

## Title V Attachments Existing

Attach OP-1 (Site Information Summary)

Attach OP-2 (Application for Permit Revision/Renewal)

Attach OP-REQ1 (Application Area-Wide Applicability Determinations and General Information)

Attach OP-REQ2 (Negative Applicable Requirement Determinations)

Attach OP-REQ3 (Applicable Requirements Summary)

Attach OP-PBRSUP (Permits by Rule Supplemental Table)

Attach OP-SUMR (Individual Unit Summary for Revisions)

Attach OP-MON (Monitoring Requirements)

Attach OP-UA (Unit Attribute) Forms

If applicable, attach OP-AR1 (Acid Rain Permit Application)

Attach OP-CRO2 (Change of Responsible Official Information)

Attach OP-DEL (Delegation of Responsible Official)

Attach any other necessary information needed to complete the permit.

[File Properties]

File Name

<a href=/ePermitsExternal/faces/file?fileId=282946>2025\_09\_04 FOP O1450 Minor Revision.pdf</a>



11/4/25, 1:15 PM

Copy of Record - Texas Commission on Environmental Quality - www.tceq.texas.gov

Hash	40CD600B8D9DA95ADB1887ADB2F4F253A5A1BA18DA65FD4DE751BBC61174E3CD
MIME-Type	application/pdf
An additional space to attach any other necessary information needed to complete the permit.	
[File Properties]	
File Name	<a href=/ePermitsExternal/faces/file?fileId=282948>2024_12_17 50607 Major NSR Summary Table.docx</a>
Hash	6966D5D8A0EAE0E3CBE6268B32A7B2A3D638983C8844566F7CF5510AB5DA93D3
MIME-Type	application/vnd.openxmlformats-officedocument.wordprocessingml.document

Expedite Title V

1) Per Texas Health and Safety Code, Section 382.05155, does the applicant want to expedite the processing of this application?	No
---	----

Certification

I certify that I am the Responsible Official for this application and that, based on information and belief formed after reasonable inquiry, the statements and information on this form are true, accurate, and complete.

1. I am Erik Simpson, the owner of the STEERS account ER053821.

2. I have the authority to sign this data on behalf of the applicant named above.

3. I have personally examined the foregoing and am familiar with its content and the content of any attachments, and based upon my personal knowledge and/or inquiry of any individual responsible for information contained herein, that this information is true, accurate, and complete.

4. I further certify that I have not violated any term in my TCEQ STEERS participation agreement and that I have no reason to believe that the confidentiality or use of my password has been compromised at any time.

5. I understand that use of my password constitutes an electronic signature legally equivalent to my written signature.

6. I also understand that the attestations of fact contained herein pertain to the implementation, oversight and enforcement of a state and/or federal environmental program and must be true and complete to the best of my knowledge.

7. I am aware that criminal penalties may be imposed for statements or omissions that I know or have reason to believe are untrue or misleading.

8. I am knowingly and intentionally signing Title V Existing 1450.

9. My signature indicates that I am in agreement with the information on this form, and authorize its submittal to the TCEC

OWNER OPERATOR Signature: Erik Simpson OWNER OPERATOR

Account Number:

Signature IP Address:

Signature Date:

Signature Hash:

Form Hash Code at time of Signature:

ER053821

170.111.3.95

2025-09-30

F489C3969A2B7334D952C134A3C18723D3E98EF99FCFDB59B28FB8C4A3CD187B

010844513AE3644EF76635C1D39E99DC899B8A354CF53EA62E62219C7A32EE52

Submission

Reference Number:	The application reference number is 818611
Submitted by:	The application was submitted by ER053821/Erik Simpson
Submitted Timestamp:	The application was submitted on 2025-09-30 at 14:16:34 CDT

Submitted From:

The application was submitted from IP address  
170.111.3.95

Confirmation Number:

The confirmation number is 681787

Steers Version:

The STEERS version is 6.93

Permit Number:

The permit number is 1450

## Additional Information

Application Creator: This account was created by Katie W Wiley



*Via Electronic Correspondence*

September 17, 2025

*Submitted Via STEERS*

Texas Commission on Environmental Quality (TCEQ)  
Air Permits Initial Review Team (APIRT), MC161

Re: Title V Federal Operating Permit No. O1450 Minor Revision Application  
Diamond Shamrock Refining Co., L.P (CN600124861)  
Valero Three Rivers Refinery (RN100542802)

To Whom It May Concern:

As per Title 30 of the Texas Administrative Code (30 TAC) Chapter 122, Diamond Shamrock Refining Company, L.P. (Valero) hereby submits a Title V Federal Operating Permit (FOP) Minor Revision Application for its Three Rivers Refinery located in Three Rivers, Live Oak County, Texas.

The purpose of the minor revision application is as follows.

- Incorporate an alteration to NSR Permit 50607 issued on September 19, 2024 (TCEQ Project 376013) – the purpose of the alteration was to make a minor change to Special Condition 43 language.
- Incorporate an amendment to NSR Permit 50607 issued on October 31, 2024 (TCEQ Project 379403) – the purpose of the amendment was to authorize minor changes to fugitive emissions in support of the Crude Atmospheric Tower Bottoms (ATBs) Bypass Line Project.
- Incorporate an amendment to NSR Permit 50607 issued on August 29, 2025 (TCEQ Project 382089) – the purpose of the amendment was to authorize increases in annual nitrogen oxides (NO<sub>x</sub>) and carbon monoxide (CO) emissions from planned maintenance, startup, and shutdown (MSS) activities.
- Remove reference to Standard Permit Registration 122326 since it has been voided and is no longer needed.
- Incorporate an automatic renewal of Standard Permi Registration 132203.

Valero Three Rivers Refinery is submitting the following forms in support of this request.

- OP-2: Summarizes the changes to the FOP due to the NSR changes;
- OP-REQ1: (Pages 88-89): Updates the NSR Authorizations for the application area; and
- Major NSR Summary Table: Updated based on amended NSR Permit 50607.

TCEQ APIRT  
Page 2  
September 2025

If you have any questions or comments regarding the provided information, please contact me at (361) 786-8207 or by email at [Erich.Potthast@valero.com](mailto:Erich.Potthast@valero.com). Thank you for your time and attention to this matter.

Sincerely,  
Mr. Erich Potthast  
Environmental Superintendent

Enclosures

cc: Mr. Sonny Lopez, Air Section Manager, TCEQ Region 14, Corpus Christi (Email only to [TCEQR14AIR@tceq.texas.gov](mailto:TCEQR14AIR@tceq.texas.gov))  
EPA Region 6, Dallas (Email Only to [R6AirPermitsTX@epa.gov](mailto:R6AirPermitsTX@epa.gov))  
Ms. Katie Wiley, TRICORD Consulting, LLC (via email only)

### **Attachment 1: TCEQ Forms**

The following forms are included in this attachment in the order listed below:

- Form OP-2; and
- Form OP-REQ1, Pages 88-89.

**Federal Operating Permit Program  
Application for Permit Revision/Renewal  
Form OP-2-Table 1  
Texas Commission on Environmental Quality**

Date: <b>September 17, 2025</b>	
Permit No.: <b>O1450</b>	
Regulated Entity No.: <b>RN100542802</b>	
Company Name: <b>Diamond Shamrock Refining Co., L.P/Valero Three Rivers Refinery</b>	
For Submissions to EPA	
Has an electronic copy of this application been submitted (or is being submitted) to EPA? <span style="float: right;"><input checked="" type="checkbox"/> YES <input type="checkbox"/> NO</span>	
<b>I. Application Type</b>	
Indicate the type of application:	
<input type="checkbox"/> Renewal	
<input checked="" type="checkbox"/> Streamlined Revision (Must include provisional terms and conditions as explained in the instructions.)	
<input type="checkbox"/> Significant Revision	
<input type="checkbox"/> Revision Requesting Prior Approval	
<input type="checkbox"/> Administrative Revision	
<input type="checkbox"/> Response to Reopening	
<b>II. Qualification Statement</b>	
For SOP Revisions Only <span style="float: right;"><input checked="" type="checkbox"/> YES <input type="checkbox"/> NO</span>	
For GOP Revisions Only <span style="float: right;"><input type="checkbox"/> YES <input type="checkbox"/> NO</span>	

**Federal Operating Permit Program  
Application for Permit Revision/Renewal  
Form OP-2-Table 1 (continued)  
Texas Commission on Environmental Quality**

**III. Major Source Pollutants (Complete this section if the permit revision is due to a change at the site or change in regulations.)**

Indicate all pollutants for which the site is a major source based on the site's potential to emit:  
(Check the appropriate box[es].)

☒ VOC      ☒ NO<sub>x</sub>      ☒ SO<sub>2</sub>      ☒ PM<sub>10</sub>      ☒ CO      ☐ Pb      ☒ HAP

Other:

**IV. Reference Only Requirements (For reference only)**

Has the applicant paid emissions fees for the most recent agency fiscal year (September 1 - August 31)?      ☒ YES    ☐ NO    ☐ N/A

**V. Delinquent Fees and Penalties**

Notice: This form will not be processed until all delinquent fees and/or penalties owed to the TCEQ or the Office of the Attorney General on behalf of the TCEQ are paid in accordance with the Delinquent Fee and penalty protocol.

**Federal Operating Permit Program  
Application for Permit Revision/Renewal  
Form OP-2-Table 2  
Texas Commission on Environmental Quality**

Date: <b>September 17, 2025</b>
Permit No.: <b>O1450</b>
Regulated Entity No.: <b>RN100542802</b>
Company Name: <b>Diamond Shamrock Refining Co., L.P/Valero Three Rivers Refinery</b>

Using the table below, provide a description of the revision.

			Unit/Group	Process		
Revision No.	Revision Code	New Unit	ID No.	Applicable Form	NSR Authorization	Description of Change and Provisional Terms and Conditions
1	MS-A	No	Sitewide	OP-REQ1	50607	Incorporate NSR Permit 50607 alteration issued on September 19, 2024 (TCEQ Project No. 376013). There are no state or federal regulatory changes or changes to the Major NSR Summary table as a result of this project.
2	MS-A	No	Sitewide	OP-REQ1	50607	Incorporate NSR Permit 50607 permit amendment issued on October 31, 2024 (TCEQ Project No. 379403). The Major NSR Summary Table has been updated and is included. There are no state or federal regulatory changes as a result of this project.
3	MS-A	No	Sitewide	OP-REQ1	50607	Incorporate NSR Permit 50607 permit amendment issued on August 29, 2025 (TCEQ Project No. 382089). The Major NSR Summary Table has been updated and is included. There are no state or federal regulatory changes as a result of this project.
4	MS-A	No	Sitewide	OP-REQ1	122326	Remove Standard Permit Registration 122326 since it has been voided. There are no state or federal regulatory changes or changes to the Major NSR Summary table as a result of this project.
5	MS-A	No	Sitewide	OP-REQ1	132203	Incorporate renewed standard permit 132203 issued on 5/5/2024. This permit was renewed automatically by the TCEQ with no changes.



# Application Area-Wide Applicability Determinations and General Information

## Form OP-REQ1 (Page 88)

### Federal Operating Permit Program Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
September 17, 2025	O1450	RN100542802

For SOP applications, answer ALL questions unless otherwise directed.

◆ For GOP applications, answer ONLY these questions unless otherwise directed.

## XII. NSR Authorizations (Attach additional sheets if necessary for sections XII.E-J.)

### E. PSD Permits and PSD Major Pollutants

Permit No.	Issuance Date	Pollutant(s):	Permit No.	Issuance Date	Pollutant(s):
PSD Permit No.: PSDTX1017M1	Issuance Date: <u>8/29/2025</u>	Pollutant(s): SO <sub>2</sub> , PM/PM <sub>10</sub> /PM <sub>2.5</sub> VOC, NO <sub>x</sub> , CO, HAPs			
PSD Permit No.: PSDTX331M1	Issuance Date: <u>8/29/2025</u>	Pollutant(s): SO <sub>2</sub> , PM/PM <sub>10</sub> /PM <sub>2.5</sub> VOC, NO <sub>x</sub> , CO, HAPs			
PSD Permit No.: PSDTX804	Issuance Date: <u>8/29/2025</u>	Pollutant(s): SO <sub>2</sub> , PM/PM <sub>10</sub> /PM <sub>2.5</sub> VOC, NO <sub>x</sub> , CO, HAPs			

If PSD Permits are held for the application area, please complete the Major NSR Summary Table located under the Technical Forms heading at: [www.tceq.texas.gov/permitting/air/titlev/site/site\\_experts.html](http://www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html).

### F. Nonattainment (NA) Permits and NA Major Pollutants

Permit No.	Issuance Date	Pollutant(s):	Permit No.	Issuance Date	Pollutant(s):

If NA Permits are held for the application area, please complete the Major NSR Summary Table located under the Technical Forms heading at: [www.tceq.texas.gov/permitting/air/titlev/site/site\\_experts.html](http://www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html).

### G. NSR Authorizations with FCAA § 112(g) Requirements

NSR Permit No.	Issuance Date	NSR Permit No.	Issuance Date	NSR Permit No	Issuance Date

**Application Area-Wide Applicability Determinations and General Information**  
**Form OP-REQ1 (Page 89)**  
**Federal Operating Permit Program**  
**Texas Commission on Environmental Quality**

Date	Permit No.	Regulated Entity No.
September 17, 2025	O1450	RN100542802

For SOP applications, answer ALL questions unless otherwise directed.

- ◆ For GOP applications, answer ONLY these questions unless otherwise directed.

**XII. NSR Authorizations (continued) - (Attach additional sheets if necessary for sections XII.E-J.)**

- ◆ **H. Title 30 TAC Chapter 116 Permits, Special Permits, Standard Permits, Other Authorizations (Other Than Permits By Rule, PSD Permits, NA Permits) for the Application Area**

Authorization No.	Issuance Date	Authorization No.	Issuance Date	Authorization No.	Issuance Date
Authorization No.: 50607	Issuance Date: <u>8/29/2025</u>	Authorization No.: 132203	Issuance Date: <u>5/15/2024</u>		
Authorization No.: 83511	Issuance Date: 04/04/2017	Authorization No.: 157690	Issuance Date: 8/1/2019		
Authorization No.: 141533	Issuance Date: 01/26/2023				
Authorization No.: <del>122326</del>	Issuance Date: <del>8/1/2023</del>				

- ◆ **I. Permits by Rule (30 TAC Chapter 106) for the Application Area**

*A list of selected Permits by Rule (previously referred to as standard exemptions) that are required to be listed in the FOP application is available in the instructions.*

PBR No.	Version No./Date	PBR No.	Version No./Date	PBR No.	Version No./Date

- ◆ **J. Municipal Solid Waste and Industrial Hazardous Waste Permits with an Air Addendum**

Permit No.	Issuance Date	Permit No.	Issuance Date	Permit No.	Issuance Date

## **Attachment 2: Major NSR Summary Table**

This attachment includes the updated Major NSR Summary Table.

**Major NSR Summary Table**

Permit Numbers: 50607, PSDTX331M1, PSDTX804, and PSDTX1017M1					Issuance Date: <del>August 22, 2023</del> <u>August 29, 2025</u>		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
Normal Operations Emission Cap (10)	Combustion Units, Cooling Towers, Flares/Vapor Combustor, Fugitives(5), Loading, Process Vents, Storage Tanks, and Wastewater	Benzene	10.59	11.70	2, 3, 4, 9	2, 3, 4, 9, 46	2, 3, 4
Normal Operations Emission Cap (10)	Combustion Units, Flares/Vapor or Combustor, Fugitives, Process Vents, and Storage Tanks	H <sub>2</sub> S	2.85	6.90	2, 4, 23	2, 4, 18, 46	2, 4, 18
H-028	Crude Charge Heater 1(100-H1)	NO <sub>x</sub>	11.18	23.41	2, 4, 40, 41, 42, 44	2, 4, 41, 42, 44, 46	2, 4, 44, 45
		CO	14.61	44.41			
		VOC	1.10	4.80			
		SO <sub>2</sub>	15.53	14.52			
		PM	1.51	6.63			

**Major NSR Summary Table**

Permit Numbers: 50607, PSDTX331M1, PSDTX804, and PSDTX1017M1					Issuance Date: <del>August 22, 2023</del> <u>August 29, 2025</u>		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		PM10	1.51	6.63			
		PM2.5	1.51	6.63			
H-036	Crude Charge Heater 2(100-H2)	NOx	11.18	31.56	2, 4, 40, 41, 42, 44	2, 4, 41, 42, 44, 46	2, 4, 44, 45
		CO	14.61	55.54			
		VOC	1.10	4.80			
		SO2	13.53	14.52			
		PM	1.51	6.63			
		PM10	1.51	6.63			
		PM2.5	1.51	6.63			
H-016	Vacuum Unit Charge Heater (14-H1401)	NOx	4.95	21.66	2, 4, 40, 42, 44	2, 4, 42, 44, 46	2, 4, 44, 45
		CO	8.43	18.45			
		VOC	0.76	3.34			
		SO2	9.41	10.10			
		PM	1.05	4.62			

Major NSR Summary Table

Permit Numbers: 50607, PSDTX331M1, PSDTX804, and PSDTX1017M1					Issuance Date: <del>August 22, 2023</del> <u>August 29, 2025</u>		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		PM10	1.05	4.62			
		PM2.5	1.05	4.62			
H-021	ROSE "DAO" Heater(160-H1)	NO <sub>x</sub>	1.90	8.31	2, 4, 40, 43	2, 4, 43, 46	2, 4
		CO	2.41	5.27			
		VOC	0.22	0.96			
		SO <sub>2</sub>	2.70	2.89			
		PM	0.30	1.32			
		PM10	0.30	1.32			
		PM2.5	0.30	1.32			
H-022	Asphalt Heater (160-H2)	NO <sub>x</sub>	0.98	4.22	2, 4, 40	2, 4, 46	2, 4
		CO	1.62	3.51			
		VOC	0.15	0.64			
		SO <sub>2</sub>	1.81	1.92			
		PM	0.20	0.88			

**Major NSR Summary Table**

Permit Numbers: 50607, PSDTX331M1, PSDTX804, and PSDTX1017M1					Issuance Date: <del>August 22, 2023</del> <u>August 29, 2025</u>		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		PM10	0.20	0.88			
		PM2.5	0.20	0.88			
H-020	Isostripper Reboiler Heater (440-H1)	NO <sub>x</sub>	1.99	4.90	2, 4, 40, 43	2, 4, 43, 46	2, 4
		CO	3.08	3.79			
		VOC	0.27	0.67			
		SO <sub>2</sub>	1.90	1.53			
		PM	0.37	0.92			
		PM10	0.37	0.92			
		PM2.5	0.37	0.92			
B-007	"BTX" Boiler (54-F1)	NO <sub>x</sub>	12.33	34.16	2, 4, 40, 41, 42, 44	2, 4, 41, 42, 44, 46	2, 4, 44, 45
		CO	18.02	27.76			
		VOC	1.26	4.70			
		SO <sub>2</sub>	0.17	0.48			
		PM	1.74	6.49			

Major NSR Summary Table

Permit Numbers: 50607, PSDTX331M1, PSDTX804, and PSDTX1017M1					Issuance Date: <del>August 22, 2023</del> August 29, 2025		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		PM10	1.74	6.49			
		PM2.5	1.74	6.49			
H-043	Reformate Splitter Heater No. 1.(54-H101)	Nox	4.27	9.86	2, 4, 40	2, 4, 46	2, 4
		CO	4.24	4.90			
		VOC	0.38	0.89			
		SO2	4.73	2.68			
		PM	0.53	1.22			
		PM10	0.53	1.22			
		PM2.5	0.53	1.22			
H-044	Reformate Splitter Heater No. 2(54-H102)	Nox	1.78	5.75	2, 4, 40, 43	2, 4, 43, 46	2, 4
		CO	3.03	4.90			
		VOC	0.27	0.89			
		SO2	3.38	2.68			
		PM	0.38	1.22			



Major NSR Summary Table

Permit Numbers: 50607, PSDTX331M1, PSDTX804, and PSDTX1017M1					Issuance Date: <del>August 22, 2023</del> <u>August 29, 2025</u>		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		PM10	0.38	1.22			
		PM2.5	0.38	1.22			
B-004	Boiler 6F1-A and Boiler 6F1-B (6F1-A & 6F1-B)	NO <sub>x</sub>	25.97	72.43	2, 4, 40	2, 4, 46	2, 4
		CO	9.18	12.80			
		VOC	0.80	2.23			
		SO <sub>2</sub>	5.66	5.16			
		PM	1.11	3.08			
		PM10	1.11	3.08			
		PM2.5	1.11	3.08			
B-006	East Plant Boiler (6-F2)	NO <sub>x</sub>	13.07	49.82	2, 4, 40	2, 4, 46	2, 4
		CO	6.81	12.98			
		VOC	0.59	2.24			
		SO <sub>2</sub>	0.08	0.23			
		PM	0.81	3.09			

Major NSR Summary Table

Permit Numbers: 50607, PSDTX331M1, PSDTX804, and PSDTX1017M1					Issuance Date: <del>August 22, 2023</del> <u>August 29, 2025</u>		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		PM10	0.81	3.09			
		PM2.5	0.81	3.09			
H-041	DOT H2 Recycle Furnace(F2201)	NO <sub>x</sub>	3.40	10.43	2, 4, 40, 43	2, 4, 43, 46	2, 4
		CO	2.90	4.44			
		VOC	0.26	0.80			
		SO <sub>2</sub>	3.24	2.43			
		PM	0.36	1.11			
		PM10	0.36	1.11			
		PM2.5	0.36	1.11			
H-039	No. 1 SRU Hot Oil Heater (H101)	NO <sub>x</sub>	0.69	1.60	2, 4, 40	2, 4, 46	2, 4
		CO	0.43	0.50			
		VOC	0.04	0.08			
		SO <sub>2</sub>	0.27	0.20			
		PM	0.05	0.11			

Major NSR Summary Table

Permit Numbers: 50607, PSDTX331M1, PSDTX804, and PSDTX1017M1					Issuance Date: <del>August 22, 2023</del> <u>August 29, 2025</u>		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		PM10	0.05	0.11			
		PM2.5	0.05	0.11			
H-047	No. 2 SRU Hot Oil Heater (H401)	NO <sub>x</sub>	1.84	6.58	2, 4, 40	2, 4, 46	2, 4
		CO	2.06	3.69			
		VOC	0.18	0.65			
		SO <sub>2</sub>	2.28	2.00			
		PM	0.25	0.91			
		PM10	0.25	0.91			
		PM2.5	0.25	0.91			
H-015A	Lubricating Oil Crude Atmospheric Heater (H1001)	NO <sub>x</sub>	0.58	2.53	2, 4, 40	2, 4, 46	2, 4
		CO	1.01	2.20			
		VOC	0.09	0.38			
		SO <sub>2</sub>	0.02	0.04			
		PM	0.12	0.53			

Major NSR Summary Table

Permit Numbers: 50607, PSDTX331M1, PSDTX804, and PSDTX1017M1					Issuance Date: <del>August 22, 2023</del> August 29, 2025		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		PM10	0.12	0.53			
		PM2.5	0.12	0.53			
H-015B	Lubricating Oil Crude Atmospheric Heater (H1002)	NO <sub>x</sub>	0.32	1.41	2, 4, 40	2, 4, 46	2, 4
		CO	0.55	1.23			
		VOC	0.05	0.22			
		SO <sub>2</sub>	0.01	0.03			
		PM	0.06	0.30			
		PM10	0.06	0.30			
		PM2.5	0.06	0.30			
H-037	HDU Charge Heater 2 (H101)	NO <sub>x</sub>	2.68	8.68	2, 4, 40, 43	2, 4, 43, 46	2, 4
		CO	3.02	4.88			
		VOC	0.26	0.85			
		SO <sub>2</sub>	1.86	1.96			
		PM	0.36	1.17			

Major NSR Summary Table

Permit Numbers: 50607, PSDTX331M1, PSDTX804, and PSDTX1017M1					Issuance Date: <del>August 22, 2023</del> <u>August 29, 2025</u>		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		PM10	0.36	1.17			
		PM2.5	0.36	1.17			
H-038	HDU Reboiler Heater 2 (H102)	NO <sub>x</sub>	1.85	4.65	2, 4, 40, 43	2, 4, 43, 46	2, 4
		CO	2.86	3.60			
		VOC	0.25	0.63			
		SO <sub>2</sub>	1.76	1.45			
		PM	0.34	0.87			
		PM10	0.34	0.87			
		PM2.5	0.34	0.87			
H-014	Crude Charge Heater 3 (H1102)	NO <sub>x</sub>	4.16	13.11	2, 4, 40	2, 4, 46	2, 4
		CO	5.51	8.69			
		VOC	0.50	1.58			
		SO <sub>2</sub>	6.16	4.76			
		PM	0.69	2.18			

Major NSR Summary Table

Permit Numbers: 50607, PSDTX331M1, PSDTX804, and PSDTX1017M1					Issuance Date: <del>August 22, 2023</del> <u>August 29, 2025</u>		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		PM10	0.69	2.18			
		PM2.5	0.69	2.18			
H-034	H.C.U. Recycle Heater (H1401)	NO <sub>x</sub>	3.47	11.24	2, 4, 40, 43	2, 4, 43, 46	2, 4
		CO	4.29	6.95			
		VOC	0.37	1.21			
		SO <sub>2</sub>	2.64	2.80			
		PM	0.52	1.67			
		PM10	0.52	1.67			
		PM2.5	0.52	1.67			
H-035	H.C.U. Debutanizer Reboiler Heater (H1402)	NO <sub>x</sub>	3.39	11.67	2, 4, 40, 43	2, 4, 43, 46	2, 4
		CO	5.24	9.02			
		VOC	0.46	1.57			
		SO <sub>2</sub>	3.23	3.63			
		PM	0.63	2.17			

Major NSR Summary Table

Permit Numbers: 50607, PSDTX331M1, PSDTX804, and PSDTX1017M1					Issuance Date: <del>August 22, 2023</del> August 29, 2025		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		PM10	0.63	2.17			
		PM2.5	0.63	2.17			
H-018	H.C.U. Fractionation Heater(H1501A)	NO <sub>x</sub>	2.40	10.51	2, 4, 40, 43	2, 4, 43, 46	2, 4
		CO	3.71	16.22			
		VOC	0.32	1.42			
		SO <sub>2</sub>	2.28	3.27			
		PM	0.45	1.96			
		PM10	0.45	1.96			
		PM2.5	0.45	1.96			
H-019	H.C.U. Fractionation Heater(H1501B)	NO <sub>x</sub>	2.40	8.02	2, 4, 40, 43	2, 4, 43, 46	2, 4
		CO	3.71	6.20			
		VOC	0.32	1.09			
		SO <sub>2</sub>	2.28	2.50			
		PM	0.45	1.50			

**Major NSR Summary Table**

Permit Numbers: 50607, PSDTX331M1, PSDTX804, and PSDTX1017M1					Issuance Date: <del>August 22, 2023</del> <u>August 29, 2025</u>		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		PM10	0.45	1.50			
		PM2.5	0.45	1.50			
H-045	DHT Charge Heater (H28001)	NO <sub>x</sub>	1.91	8.37	2, 4, 40	2, 4, 46	2, 4
		CO	2.28	4.99			
		VOC	0.21	0.91			
		SO <sub>2</sub>	2.55	2.73			
		PM	0.28	1.25			
		PM10	0.28	1.25			
		PM2.5	0.28	1.25			
H-046	Fractionator Feed Heater (H28002)	NO <sub>x</sub>	2.69	11.76	2, 4, 40, 43	2, 4, 43, 46	2, 4
		CO	3.56	7.79			
		VOC	0.32	1.41			
		SO <sub>2</sub>	3.97	4.26			
		PM	0.44	1.95			



**Major NSR Summary Table**

Permit Numbers: 50607, PSDTX331M1, PSDTX804, and PSDTX1017M1					Issuance Date: <del>August 22, 2023</del> <u>August 29, 2025</u>		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		PM10	0.44	1.95			
		PM2.5	0.44	1.95			
H-023	Dowtherm Heater(160-H3)	NO <sub>x</sub>	0.09	0.27	2, 4, 40	2, 4, 46	2, 4
		CO	0.15	0.22			
		VOC	0.01	0.04			
		SO <sub>2</sub>	0.17	0.13			
		PM	0.02	0.06			
		PM10	0.02	0.06			
		PM2.5	0.02	0.06			
H-004	Process Oil Treater (POT) (H401)	NO <sub>x</sub>	0.41	1.79	2, 4, 40	2, 4, 46	2, 4
		CO	0.72	3.12			
		VOC	0.06	0.27			
		SO <sub>2</sub>	0.01	0.03			
		PM	0.09	0.37			

**Major NSR Summary Table**

Permit Numbers: 50607, PSDTX331M1, PSDTX804, and PSDTX1017M1					Issuance Date: <del>August 22, 2023</del> <u>August 29, 2025</u>		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		PM10	0.09	0.37			
		PM2.5	0.09	0.37			
H-031	No. 1 HDU Stripper Reboiler Heater (H501)	NO <sub>x</sub>	0.79	3.44	2, 4, 40	2, 4, 46	2, 4
		CO	1.32	5.79			
		VOC	0.12	0.51			
		SO <sub>2</sub>	1.46	1.57			
		PM	0.16	0.71			
		PM10	0.16	0.71			
		PM2.5	0.16	0.71			
H-010	No. 1 HDU Reactor Charge Heater(H502)	NO <sub>x</sub>	1.05	4.59	2, 4, 40	2, 4, 46	2, 4
		CO	1.76	7.71			
		VOC	0.16	0.69			
		SO <sub>2</sub>	1.95	2.09			
		PM	0.22	0.96			

Major NSR Summary Table

Permit Numbers: 50607, PSDTX331M1, PSDTX804, and PSDTX1017M1					Issuance Date: <del>August 22, 2023</del> August 29, 2025		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		PM10	0.22	0.96			
		PM2.5	0.22	0.96			
H-030	No. 2 Reformer Charge Heaters (H201, H203, H204)	NO <sub>x</sub>	19.06	-	2, 4, 40, 41, 42, 44	2, 4, 41, 42, 44, 46	2, 4, 44, 45
		CO	13.63	-			
		VOC	2.38	-			
		SO <sub>2</sub>	16.78	-			
		PM	3.29	-			
		PM10	3.29	-			
		PM2.5	3.29	-			
H-032	No. 2 Reformer Charge Heater (H202)	NO <sub>x</sub>	12.27	-	2, 4, 40, 41, 42, 44	2, 4, 41, 42, 44, 46	2, 4, 44, 45
		CO	11.16	-			
		VOC	0.97	-			
		SO <sub>2</sub>	6.87	-			
		PM	1.35	-			

Major NSR Summary Table

Permit Numbers: 50607, PSDTX331M1, PSDTX804, and PSDTX1017M1					Issuance Date: <del>August 22, 2023</del> <u>August 29, 2025</u>		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		PM10	1.35	-			
		PM2.5	1.35	-			
H-033	No. 2 Reformer Stab. Reboiler (H205)	NO <sub>x</sub>	2.25	-	2, 4, 40, 43	2, 4, 43, 46	2, 4
		CO	3.48	-			
		VOC	0.30	-			
		SO <sub>2</sub>	2.14	-			
		PM	0.42	-			
		PM10	0.42	-			
		PM2.5	0.42	-			
H-012	No.1 Reformer Charge Heaters (H504, H505A, H505B)	No <sub>x</sub>	5.41	-	2, 4, 40, 43	2, 4, 43, 46	2, 4
		CO	6.34	-			
		VOC	0.57	-			
		SO <sub>2</sub>	7.00	-			
		PM	0.78	-			

**Major NSR Summary Table**

Permit Numbers: 50607, PSDTX331M1, PSDTX804, and PSDTX1017M1					Issuance Date: <del>August 22, 2023</del> <u>August 29, 2025</u>		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		PM10	0.78	-			
		PM2.5	0.78	-			
H-013	No. 1 Stabilizer Reboiler Heater (H506)	Nox	1.86	-	2, 4, 40	2, 4, 46	2, 4
		CO	1.05	-			
		VOC	0.09	-			
		SO2	1.15	-			
		PM	0.13	-			
		PM10	0.13	-			
		PM2.5	0.13	-			
H-030, H-032, H-033, H-012, and H-013	Subcaps for No.1 and No.2 Reforming Unit Heaters (H504, H505A,	Nox	-	91.88	2, 4, 40	2, 4, 46	2, 4
		CO	-	59.57			
		VOC	-	10.46			
		SO2	-	26.77			
		PM	-	14.46			

Major NSR Summary Table

Permit Numbers: 50607, PSDTX331M1, PSDTX804, and PSDTX1017M1					Issuance Date: <del>August 22, 2023</del> August 29, 2025		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
	H505B, H506, H201, H202, H203, H204, H205)	PM10	-	14.46			
		PM2.5	-	14.46			
S-036, S-119, S-120, S-130, S-680-6, S-680-7, S-680-8, S-680-9, S-680-21	Subcaps for Storage Tanks	VOC	9.38	27.36	2, 3, 4, 5, 9	2, 3, 4, 5, 9, 46	2, 3, 4
FL-003, FL-004, FL-006 and FL-501	Subcaps for Flares	Nox	15.59	18.83	2, 4, 7, 40, 60	2, 4, 7, 46	2, 4
		CO	80.33	96.98			
		VOC	63.01	117.58			
		SO2	5.17	7.00			
F-28, F-100 (#1 Crude, Desalter), F-400, F-500,					2, 3, 4, 5, 12, 13, 14, 23, 35	2, 3, 4, 5, 12, 13, 14, 35, 46	2, 3, 4

Major NSR Summary Table

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
F-620, F-660 (EplFlareE, EplFlareS, West Plant Flare System), F-700, F-820, F-830S, F-850 (S Merox Unit, Tank Farm), F-900, F-1000, F-1200, F-1400, F-1500, F-2000, F-2100, F-2200 (DOT/Ref Splitter, East Plant Alky Splitter), F-2300(SWS), F-2400 (FCCU, FCCU Gas Con, FCCU Merox),	VOC and NH3 Subcaps for Equipment Fugitives (5)(10)	VOC	<del>130.66</del> 130.80	<del>572.32</del> 572.93			
		NH3	0.01	0.04			

Major NSR Summary Table

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
F-2500, F-2600, F-2700, F-2800 (EP Cool Twr, EP Utilities), F-3700 (HCU, HCU Hot OilDrum), F-3800, F-3900 (LEU, HCU), F-4000, F-4300, F-5400, F-2600N, F-660N, F-660 (EplFlareW), F-680 (WWTP Tanks), F-680W, F-800E, F-800W, F-830 (RAIL,							



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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
West Rack), F-830E, F-830N, F-830W, F-850N, F-850S, F- ROSE							
F-0670	No.1 West Plant Cooling Tower (5)	VOC	0.25	1.10	2, 4, 22	2, 4, 22, 46	2, 4
		PM	0.36	1.58			
		PM10	0.14	0.60			
		PM2.5	0.01	0.01			
F-2810	East Plant Cooling Tower (5)	VOC	1.68	7.36	2, 4, 22	2, 4, 22, 46	2, 4
		PM	2.40	10.52			
		PM10	0.36	1.58			
		PM2.5	0.01	0.01			
F-3670	No. 2 West Plant Cooling Tower (5)	VOC	0.59	2.58	2, 4, 22	2, 4, 22, 46	2, 4
		PM	0.84	3.68			
		PM10	0.32	1.41			

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		PM2.5	0.01	0.01			
F-0680	F-0680 Open-Top Biotreatment	VOC	23.08	36.23	2, 4, 7	2, 4, 46	2, 4
F-0671	No. 2 API Separator	VOC	0.48	0.95	2, 4, 7	2, 4, 46	2, 4
F-0682	Crude Unit Sump	VOC	3.70	6.50	2, 4, 7	2, 4, 46	2, 4, 7
F-0683	No. 1 Reformer Sump	VOC	1.66	3.31	2, 4, 7	2, 4, 46	2, 4
F-0684	600 Unit Sump	VOC	0.01	0.03	2, 4, 7	2, 4, 46	2, 4
F-0685	R. R. Rack Sump	VOC	0.10	0.20	2, 4, 7	2, 4, 46	2, 4
F-0686	Truck Loading Sump	VOC	0.09	0.18	2, 4, 7	2, 4, 46	2, 4
F-0687	Land Farm	VOC	2.26	4.50	2, 4, 7	2, 4, 46	2, 4
F-0688	Vacuum Unit Sump	VOC	2.08	4.14	2, 4, 7	2, 4, 46	2, 4
F-0689	Crude Unload Sump	VOC	0.24	0.47	2, 4, 7	2, 4, 46	2, 4
F-3110	No. 2 Reformer Sump	VOC	0.59	1.18	2, 4, 7	2, 4, 46	2, 4
V-006		CO	37.50	1.50	2, 4, 7	2, 4, 46	2, 4, 7

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Emission Point No. (1)	Source Name (2)	Air Contamina nt Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Applicati on Information	Special Condition/Applicati on Information	Special Condition/Applicati on Information
	No. 1 Reformer Regeneration Vent	Cl2	0.40	0.02			
		VOC	1.40	0.06			
V-007	No. 2 Reformer Regeneration Vent	CO	5.00	14.02	2, 4, <del>5</del>	2, 4, 46	2, 4
		Cl2	0.01	0.04			
		VOC	0.04	0.13			
V-010	FCCU Regeneration Vent	NOx	62.69	28.82	2, 4, 28 30, 37, 40, 41, 44, 62	2, 4, 28, 30, 37, 41, 44, 46, 62	2, 4, 37, 44, 45, 63
		CO	195.47	184.29			
		VOC	6.16	14.51			
		SO2	43.64	52.65			
		PM	30.00	69.98			
		PM10	25.11	58.58			
		PM2.5	25.11	58.58			
		H2SO4	13.69	59.96			
		O3	13.08	31.62			

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Emission Point No. (1)	Source Name (2)	Air Contamina nt Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Applicati on Information	Special Condition/Applicati on Information	Special Condition/Applicati on Information
		HCN	19.49	45.47			
V-008, V-009	Subcaps for Sulfur Plants	Nox	6.83	19.32	2, 4, 15, 38, 40, 41, 44, 48	2, 4, 15, 16, 17, 18, 20, 38, 41, 44, 46, 48	2, 4, 18, 38, 44, 45, 48
		CO	29.09	82.32			
		VOC	12.21	34.56			
		SO2	38.88	98.27			
		PM	0.37	1.02			
		PM10	0.37	1.02			
		PM2.5	0.37	1.02			
		TRS	2.63	9.51			
L-001	Oil Truck Loading Rack	VOC	0.02	0.02		27, 46	27
L-002	Gasoline Truck Loading Rack	VOC	9.09	3.46	4	4, 24, 27, 46	4, 24, 27
L-004	Tank Car Loading Rack	VOC	0.01	0.01		27, 46	27
VCU-1	Loading Rack Vapor Combustor	Nox	3.01	0.71	2, 4, 47, 48	2, 4, 46, 47, 48	2, 4
		CO	8.75	2.07			

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Emission Point No. (1)	Source Name (2)	Air Contamina nt Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Applicati on Information	Special Condition/Applicati on Information	Special Condition/Applicati on Information
		VOC	17.98	6.88			
VCU-2	WWTP Vapor Combustor	VOC	1.41	2.09	2, 3, 8, 39	2, 3, 8, 39, 46	2, 3, 39
		Nox	0.30	0.86			
		CO	2.51	6.93			
		SO2	0.19	0.16			
		PM	0.03	0.10			
		PM10	0.03	0.10			
		PM2.5	0.03	0.10			
Planned Maintenance, Startup, and Shutdown (MSS) Emission Limitations							
		VOC (6) (7)	4,711.24	75.49	50, 51, 52, 53, 54, 55, 59, 60	49, 50, 51, 52, 53, 54, 55, 56, 58, 59, 60	50, 51, 52, 53, 54, 55, 59, 60
Nox (6) (7)	305.53	<del>16.34</del> <u>27.47</u>					
CO (6) (7)	1,202.92	<del>43.42</del> <u>100.45</u>					
SO2 (6) (7)	894.13	61.04					
PM (6) (7)	4.54	0.66					

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			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
Cooling Towers, Combustion Units, Flares/Vapor Combustor Fugitives (5), Loading, Process Vents, Storage Tanks, and Wastewater		PM10 (6) (7)	4.54	0.66			
		PM2.5 (6) (7)	4.54	0.66			
		H2S (6) (7)	2.65	0.51			
		Benzene (6) (7) (8)	90.70	2.65			
		CS2 (7)	0.33	0.02			
		COS (7)	1.89	0.11			
Standard Permit (SP) sources incorporated by reference. Sources remain authorized by the SP(s) as listed below:							
Registration Number 83511							
B-010	BTX Boiler	Nox	5.10	22.34	42, 44	44, 42, 46	44, 45
		CO	12.31	53.93			
		VOC	1.83	8.03			
		NH3	1.49	6.55			
		SO2	4.55	19.93			

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			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		PM	2.53	11.10			
		PM10	2.53	11.10			
		PM2.5	2.53	11.10			

- (1) Emission point identification - either specific equipment designation or emission point number (EPN) from a plot plan.
- (2) Specific point source names. For fugitive sources, use an area name or fugitive source name.
- (3)
- VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
  - NO<sub>x</sub> - total oxides of nitrogen
  - CO - carbon monoxide
  - SO<sub>2</sub> - sulfur dioxide
  - PM - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>
  - PM<sub>10</sub> - particulate matter equal to or less than 10 microns in diameter
  - PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter
  - Cl<sub>2</sub> - chlorine
  - COS - carbonyl sulfide
  - CS<sub>2</sub> - carbon disulfide
  - H<sub>2</sub>S - hydrogen sulfide
  - H<sub>2</sub>SO<sub>4</sub> - sulfuric acid
  - NH<sub>3</sub> - ammonia
  - TRS - total reduced sulfur
  - O<sub>3</sub> - ozone
  - HCN - hydrogen cyanide
- (4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
- (5) Emission rate is an estimate and compliance is demonstrated by meeting the requirements of the applicable special conditions and permit

application representations.

- (6) Planned MSS VOC, NO<sub>x</sub>, CO, SO<sub>2</sub>, PM<sub>10</sub>, H<sub>2</sub>S, and Benzene allowable emissions are NOT included in the Normal Operations Emission Caps.
- (7) Beginning January 1, 2013, MSS emissions shall be based on a rolling 12-month period.
- (8) Benzene MSS allowables are included in the VOC allowables.
- (9) Ammonia fugitive allowable emissions are specified by EPN.
- (10) These emission caps have been carried forward from the flexible permit and do not include MSS emissions. The caps have been lowered to equal the sum of the normal operation individual limits and subcaps. The caps do not include emissions from EPN B-010, incorporated by reference from Standard Permit 83511.