Emission Sources - Maximum Allowable Emission Rates

Permit Number 56508, PSDTX1444M1, PSDTX1472M1 and GHGPSDTX191

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	
			lbs/hour	TPY (4)
133	Storage Tank 133	VOC	13.24	-
		H_2S	0.07	-
204	Storage Tank 204	VOC	11.76	-
		H_2S	0.09	-
205	Storage Tank 205	VOC	11.77	-
		H_2S	0.09	-
1521	Storage Tank 1521	VOC	10.90	-
		H_2S	0.09	-
1523	Storage Tank 1523	VOC	9.14	-
		H_2S	0.05	-
1525	Storage Tank 1525	VOC	9.28	-
		H_2S	0.06	-
1526	Storage Tank 1526	VOC	9.14	-
		H_2S	0.05	-
1529	Storage Tank 1529	VOC	7.69	-
		H_2S	0.08	-
1530	Storage Tank 1530	VOC	7.55	-
		H_2S	0.07	-
1531	Storage Tank 1531	VOC	7.62	-
		H_2S	0.06	-

Emission Sources - Maximum Allowable Emission Rates

1532	Storage Tank 1532	VOC	7.55	-
		H_2S	0.07	-
1533	Storage Tank 1533	VOC	9.33	-
		H_2S	0.10	-
1534	Storage Tank 1534	VOC	10.83	-
		H_2S	0.17	-
1537	Storage Tank 1537	VOC	8.99	-
		H_2S	0.07	-
1538	Storage Tank 1538	VOC	8.99	-
		H_2S	0.07	-
1539	Storage Tank 1539	VOC	8.73	-
		H_2S	0.06	-
1540	Storage Tank 1540	VOC	8.92	-
		H_2S	0.06	-
1541	Storage Tank 1541	VOC	6.19	-
		H_2S	0.09	-
1542	Storage Tank 1542	VOC	6.19	-
		H_2S	0.09	-
1543	Storage Tank 1543	VOC	6.45	-

Emission Sources - Maximum Allowable Emission Rates

Emission Sources - Maximum Allowable Emission Rates

	H_2S	0.06	-	
1544	Storage Tank 1544	VOC	7.10	-
		H_2S	0.09	-
1545	Storage Tank 1545	VOC	6.45	-
		H_2S	0.06	-

Emission Sources - Maximum Allowable Emission Rates

1546	Storage Tank 1546	VOC	6.18	-
		H_2S	0.10	-
1547	Storage Tank 1547	VOC	9.08	-
		H_2S	0.07	-
1548	Storage Tank 1548	VOC	7.97	-
		H_2S	0.06	-
1549	Storage Tank 1549	VOC	7.97	-
		H_2S	0.06	-
1550	Storage Tank 1550	VOC	7.97	-
		H_2S	0.06	-
1551	Storage Tank 1551	VOC	5.99	-
		H_2S	0.09	-
1552	Storage Tank 1552	VOC	6.21	-
		H_2S	0.10	-
1553	Storage Tank 1553	VOC	7.83	-
		H_2S	0.05	-
1554	Storage Tank 1554	VOC	6.21	-
		H_2S	0.10	-
1555	Storage Tank 1555	VOC	8.71	-

Emission Sources - Maximum Allowable Emission Rates

Emission Sources - Maximum Allowable Emission Rates

	H_2S	0.06	-	
1556	Storage Tank 1556	VOC	6.08	-
		H_2S	0.08	-
1557	Storage Tank 1557	VOC	11.01	-
		H_2S	0.21	-

Emission Sources - Maximum Allowable Emission Rates

1558	Storage Tank 1558	VOC	6.55	-
		H_2S	0.07	-
1559	Storage Tank 1559	VOC	6.08	-
		H_2S	0.08	-
1560	Storage Tank 1560	VOC	6.08	-
		H_2S	0.08	-
1561	Storage Tank 1561	VOC	6.08	-
		H_2S	0.08	-
1562	Storage Tank 1562	VOC	6.05	-
		H_2S	0.08	-
1563	Storage Tank 1563	VOC	5.89	-
		H_2S	0.08	-
1564	Storage Tank 1564	VOC	5.89	-
		H_2S	0.08	-
1565	Storage Tank 1565	VOC	5.89	-
		H_2S	0.08	-
1566	Storage Tank 1566	VOC	6.01	-
		H_2S	0.08	-
1567	Storage Tank 1567	VOC	6.01	-
		H_2S	0.08	-
1568	Storage Tank 1568	VOC	6.01	-
		H_2S	0.08	-
1569	Storage Tank 1569	VOC	6.05	-
		H_2S	0.80	-

Emission Sources - Maximum Allowable Emission Rates

1570	Storage Tank 1570	VOC	6.05	-
		H_2S	0.08	-
1571	Storage Tank 1571	VOC	6.05	-
		H_2S	0.08	-
1572	Storage Tank 1572	VOC	7.28	-
		H_2S	0.06	-
1573	Storage Tank 1573	VOC	6.01	-
		H_2S	0.08	-
1574	Storage Tank 1574	VOC	8.17	-
		H_2S	0.04	-
1575	Storage Tank 1575	VOC	8.17	-
		H_2S	0.04	-
1576	Storage Tank 1576	VOC	7.36	-
		H_2S	0.06	-
1577	Storage Tank 1577	VOC	7.36	-
		H_2S	0.06	-
1578	Storage Tank 1578	VOC	7.36	-
		H_2S	0.06	-
1579	Storage Tank 1579	VOC	7.36	-
		H_2S	0.06	-
1580	Storage Tank 1580	VOC	7.36	-
		H_2S	0.06	-
1581	Storage Tank 1581	VOC	7.36	-
		H_2S	0.06	-

Emission Sources - Maximum Allowable Emission Rates

1582	Storage Tank 1582	VOC	7.36	-
		H_2S	0.08	-
1583	Storage Tank 1583	VOC	7.36	-
		H_2S	0.06	-
1584	Storage Tank 1584	VOC	7.36	-
		H_2S	0.06	-
1585	Storage Tank 1585	VOC	7.31	-
		H_2S	0.06	-
1586	Storage Tank 1586	VOC	7.31	-
		H_2S	0.06	-
1587	Storage Tank 1587	VOC	7.31	-
		H_2S	0.06	-
1588	Storage Tank 1588	VOC	7.31	-
		H_2S	0.60	-
1589	Storage Tank 1589	VOC	7.34	-
		H_2S	0.06	-
1590	Storage Tank 1590	VOC	6.93	-
		H_2S	0.06	-
1591	Storage Tank 1591	VOC	6.93	-
		H_2S	0.06	-
1592	Storage Tank 1592	VOC	6.93	-
		H_2S	0.06	-
1593	Storage Tank 1593	VOC	6.01	-
		H_2S	0.08	-

Emission Sources - Maximum Allowable Emission Rates

1594	Storage Tank 1594	VOC	6.01	-
		H_2S	0.08	-
1600	Storage Tank 1600	VOC	9.83	-
		H_2S	0.15	-
1601	Storage Tank 1601	VOC	9.83	-
		H_2S	0.15	-
1602	Storage Tank 1602	VOC	9.83	-
		H_2S	0.15	-
1603	Storage Tank 1603	VOC	9.83	-
		H_2S	0.15	-
1604	Storage Tank 1604	VOC	9.83	-
		H_2S	0.15	-
1605	Storage Tank 1605	VOC	9.83	-
		H_2S	0.15	-
1606	Storage Tank 1606	VOC	9.83	-
		H_2S	0.15	-
1607	Storage Tank 1607	VOC	9.83	-
		H_2S	0.15	-
1608	Storage Tank 1608	VOC	9.83	-
		H_2S	0.15	-
1609	Storage Tank 1609	VOC	9.83	-
		H_2S	0.15	-
1610	Storage Tank 1610	VOC	9.83	-
		H_2S	0.15	-

Emission Sources - Maximum Allowable Emission Rates

1611	Storage Tank 1611	VOC	9.83	-
		H_2S	0.15	-
1612	Storage Tank 1612	VOC	9.83	-
		H_2S	0.15	-
1613	Storage Tank 1613	VOC	9.83	-
		H_2S	0.15	-
1614	Storage Tank 1614	VOC	9.83	-
		H_2S	0.15	-
1615	Storage Tank 1615	VOC	9.83	-
		H_2S	0.15	-
2101	Storage Tank 2101	VOC	12.74	-
		H_2S	0.03	-
2102	Storage Tank 2102	VOC	19.08	-
		H_2S	0.02	-
2015-J	Storage Tank 2015-J	VOC	9.83	-
		H_2S	0.15	-
2015-N	Storage Tank 2015-N	VOC	9.83	-
		H_2S	0.15	-
1595	Storage Tank 1595	VOC	9.83	-

Emission Sources - Maximum Allowable Emission Rates

Emission Sources - Maximum Allowable Emission Rates

	H_2S	0.15	-	
1597	Storage Tank 1597	VOC	9.83	-
		H_2S	0.15	-
2015-Q	Storage Tank 2015-Q	VOC	9.83	-
		H_2S	0.15	-

Emission Sources - Maximum Allowable Emission Rates

1596	Storage Tank 1596	VOC	9.83	-
		H_2S	0.15	-
2018-A	Tank 2018-A	VOC	9.83	-
		H_2S	0.15	-
2018-B	Tank 2018-B	VOC	9.83	-
		H_2S	0.15	-
2018-C	Tank 2018-C	VOC	9.83	-
		H_2S	0.15	-
1600E	Tank 1600E	VOC	9.83	-
		H_2S	0.15	-
1601E	Tank 1601E	VOC	13.96	-
		H_2S	0.19	-
1602E	Tank 1602E	VOC	13.96	-
		H_2S	0.19	-
1603E	Tank 1603E	VOC	13.96	-
		H_2S	0.19	-
1604E	Tank 1604E	VOC	13.96	-
		H_2S	0.19	-
1605E	Tank 1605E	VOC	13.96	-

Emission Sources - Maximum Allowable Emission Rates

Emission Sources - Maximum Allowable Emission Rates

	H_2S	0.19	-	
1606E	Tank 1606E	VOC	13.96	-
		H_2S	0.19	-
1607E	Tank 1607E	VOC	13.96	-
		H_2S	0.19	-

Emission Sources - Maximum Allowable Emission Rates

1608E	Tank 1608E	VOC	13.96	-
		H_2S	0.19	-
1609E	Tank 1609E	VOC	9.83	-
		H_2S	0.15	-
1610E	Tank 1610E	VOC	13.96	-
		H_2S	0.19	-
1611E	Tank 1611E	VOC	9.83	-
		H_2S	0.15	-
1612E	Tank 1612E	VOC	9.83	-
		H_2S	0.15	-
TANKCAP	Annual Emission Cap (7)	VOC	-	590.00
		H_2S	-	28.00
F-TRML	Fugitive Emissions (5)	VOC	14.69	64.35
		H_2S	0.02	0.08
DEGAS	Tank Degassing (8)	VOC	1.73	0.83
		H_2S	<0.01	<0.01
ROOFLAND	Roof Landings	VOC	207.51	91.10
		H_2S	1.19	0.69

Emission Sources - Maximum Allowable Emission Rates

COMBUST	Portable Vapor Combustor	CO	8.15	2.85
		NO_x	2.07	0.72
		SO_2	6.62	1.19
		VOC (9)	3.08	0.55
		H_2S	0.11	0.02
		PM	0.11	0.04
		PM_{10}	0.11	0.04
		$PM_{2.5}$	0.11	0.04
		CO_2 (11)	--	617.04
		N_2O (11)	--	0.01
		CH_4 (11)	--	0.01
		CO_{2e}	--	618.04
SUMP1	SUMP1	VOC	4.03	0.36
		H_2S	<0.01	<0.01
SUMP2	SUMP2	VOC	4.03	0.36
		H_2S	<0.01	<0.01
SUMP3	SUMP3	VOC	4.03	0.36
		H_2S	<0.01	<0.01
VRU 1	VRU 1 (10)	VOC	0.02	0.04
		H_2S	<0.01	<0.01
VRU 2	VRU 2 (10)	VOC	0.02	0.04
		H_2S	<0.01	<0.01
FUG-NGSL	Equipment Leak Fugitives	VOC	0.98	3.42
		H_2S	<0.01	<0.01

Emission Sources - Maximum Allowable Emission Rates

PORT-VC	Portable Vapor Combustor	NO_x	2.07	1.14
		CO	8.24	4.53
		SO_2	0.80	1.05
		VOC	0.75	0.99
		PM	0.11	0.06
		PM_{10}	0.11	0.06
		$PM_{2.5}$	0.11	0.06
		H_2S	<0.01	<0.01
		CO_2 (11)	-	1216.42
		CH_4 (11)	-	0.05
		N_2O (11)	-	0.01
		CO_2	-	1221.04
TK-MSS	Uncontrolled Tank MSS (T-2100 to 2103)	VOC	7.34	0.33
		H_2S	<0.01	<0.01
MVCU1-A	Marine Vapor Combustor Unit 1-A (Crude Oil, Naphtha, and Condensate)	NO_x	2.71	4.12
		CO	0.68	1.03
		SO_2	33.13	66.10
		VOC	2.18	3.23
		PM	0.34	0.51
		PM_{10}	0.34	0.51
		$PM_{2.5}$	0.34	0.51
		H_2S	0.02	0.04
		CO_2 (11)	--	11,294.00
		CH_4 (11)	--	0.45
		N_2O (11)	--	0.09
		CO_2	--	11,332.00

Emission Sources - Maximum Allowable Emission Rates

		VOC	5.33	7.14
		PM	0.79	1.13

Emission Sources - Maximum Allowable Emission Rates

		PM_{10}	0.79		1.13
		$PM_{2.5}$	0.79		1.13
		H_2S	0.01		0.01
		CO_2 (11)		--	22,275.46
		CH_4 (11)	--		1.00
		N_2O (11)	--		0.20
		CO_{2e}	--		22,359.96
MVCU1	Marine Vapor Combustion Unit 1 (Crude Oil, Naphtha and Condensate)	NO_x	8.21		3.28
		CO	4.97		1.99
		SO_2 (11)	91.45		46.27
		VOC (11)	12.02		4.52
		PM	0.93		0.37
		PM_{10}	0.93		0.37
		$PM_{2.5}$	0.93		0.37
		H_2S	0.10		0.04
		CO_2 (11)		--	8,175
		CH_4 (11)	--		0.33
		N_2O (11)	--		0.07
		CO_{2e}	--		8,203
MVCU1	Marine Vapor Combustion Unit 1 (Natural Gasoline and/or Gasoline Blendstocks)	NO_x	3.35		9.97
		CO	2.03		6.04
		SO_2	2.71		6.38
		VOC	2.54		7.11
		PM	0.38		1.13
		PM_{10}	0.38		1.13
		$PM_{2.5}$	0.38		1.13
		H_2S	0.01		0.01
		CO_2 (11)		--	22,252.89
		CH_4 (11)	--		1.00
		N_2O (11)	--		0.20

Emission Sources - Maximum Allowable Emission Rates

	CO_{2e}	--	22,337.34	
MVCU1-FUG	Marine vapor Combustor Unit 1 Fugitives (6)	VOC	0.16	0.69
		H_2S	<0.01	<0.01
		CH_4 (11)	--	0.20
		CO_{2e}	--	5.06
MVCU2	Marine Vapor Combustion Unit 2	NO_x	14.93	See Annual Cap
		CO	4.33	
		SO_2	79.52	
		VOC	5.22	
		PM	0.81	
		PM_{10}	0.81	
		$PM_{2.5}$	0.81	
		H_2S	0.04	
		CO_2 (11)	--	
		CH_4 (11)	--	
		N_2O (11)	--	
		CO_{2e}	--	
MVCU2-FUG	Marine Vapor Combustor Unit 2	VOC	0.16	0.69
		H_2S	<0.01	<0.01

Emission Sources - Maximum Allowable Emission Rates

MVCU3	Marine Vapor Combustion Unit 3	CH_4 (11)	--	0.20
		CO_{2e}	--	5.06
		NO_x	16.35	See Annual Cap
		CO	5.41	
		SO_2	99.40	
		VOC	6.53	
		PM	1.01	
		PM_{10}	1.01	
		$PM_{2.5}$	1.01	
		H_2S	0.05	
		CO_2 (11)	--	
		CH_4 (11)	--	
MVCU3-FUG	Marine Vapor Combustor Unit 3 Fugitives	N_2O (11)	--	
		CO_{2e}	--	
		VOC	0.16	0.69
		H_2S	<0.01	<0.01

		CH_4 (11)	--	0.20
		CO_{2e}	--	5.06

Emission Sources - Maximum Allowable Emission Rates

		SO_2	79.52	
		VOC	5.22	
		PM	0.81	
		PM_{10}	0.81	
		$PM_{2.5}$	0.81	
		H_2S	0.04	
		CO_2 (11)	--	
		CH_4 (11)	--	
		N_2O (11)	--	
		CO_{2e}	--	
MVCU2-FUG	Marine Vapor Combustor Unit 2 Fugitives	VOC	0.16	0.69
		H_2S	<0.01	<0.01
		CH_4 (11)	--	0.20
		CO_{2e}	--	5.06

Emission Sources - Maximum Allowable Emission Rates

MVCU3	Marine Vapor Combustion Unit 3	NO_x	16.35	See Annual Cap
		CO	5.41	
		SO_2	99.40	
		VOC	6.53	
		PM	1.01	
		PM_{10}	1.01	
		$PM_{2.5}$	1.01	
		H_2S	0.05	
		CO_2 (11)	--	
		CH_4 (11)	--	
		N_2O (11)	--	
		CO_{2e}	--	
MVCU3-FUG	Marine Vapor Combustor Unit 3 Fugitives	VOC	0.16	0.69
		H_2S	<0.01	<0.01
		CH_4 (11)	--	0.20
		CO_{2e}	--	5.06
MVCU4	Marine Vapor Combustion Unit 4	NO_x	11.47	See Annual Cap
		CO	4.33	
		SO_2	79.52	
		VOC	5.22	
		PM	0.81	
		PM_{10}	0.81	

Emission Sources - Maximum Allowable Emission Rates

		$PM_{2.5}$	0.81	
		H_2S	0.04	
		CO_2 (11)	--	
		CH_4 (11)	--	
		N_2O (11)	--	
		CO_{2e}	--	
MVCU4-FUG	Marine Vapor Combustor Unit 4 Fugitives	VOC	0.16	0.69
		H_2S	<0.01	<0.01
		CH_4 (11)	--	0.20
		CO_{2e}	--	5.06
MVCU5	Marine Vapor Combustion Unit 5	NO_x	6.49	See Annual Cap
		CO	1.62	
		SO_2	79.52	
		VOC	5.22	
		PM	0.81	
		PM_{10}	0.81	
		$PM_{2.5}$	0.81	
		H_2S	0.04	
		CO_2 (11)	--	

Emission Sources - Maximum Allowable Emission Rates

		CH_4 (11)	--	
		N_2O (11)	--	
		CO_{2e}	--	
MVCU5-FUG	Marine Vapor Combustor Unit 5 Fugitives	VOC	0.16	0.69
		H_2S	<0.01	<0.01
		CH_4 (11)	--	0.20
		CO_{2e}	--	5.06
MVCU6	Marine Vapor Combustion Unit 6	NO_x	6.49	See Annual Cap
		CO	1.62	
		SO_2	79.52	
		VOC	5.22	
		PM	0.81	
		PM_{10}	0.81	
		$PM_{2.5}$	0.81	
		H_2S	0.04	
		CO_2 (11)	--	
		CH_4 (11)	--	
		N_2O (11)	--	
		CO_{2e}	--	
MVCU6-FUG	Marine Vapor Combustor Unit 6 Fugitives	VOC	0.16	0.69
		H_2S	<0.01	<0.01
		CH_4 (11)	--	0.20
		CO_{2e}	--	5.06

Emission Sources - Maximum Allowable Emission Rates

MVCU7	Marine Vapor Combustion Unit 7	NO_x	6.49	See Annual Cap
		CO	1.62	
		SO_2	79.52	
		VOC	5.22	
		PM	0.81	
		PM_{10}	0.81	
		$PM_{2.5}$	0.81	
		H_2S	0.04	
		CO_2 (11)	--	
		CH_4 (11)	--	
		N_2O (11)	--	
		CO_{2e}	--	
MVCU7-FUG	Marine Vapor Combustor Unit 7 Fugitives	VOC	0.16	0.69
		H_2S	<0.01	<0.01
		CH_4 (11)	--	0.20
		CO_{2e}	--	5.06
MVCU8	Marine Vapor Combustion Unit 8	NO_x	6.49	See Annual Cap
		CO	1.62	
		SO_2	79.52	
		VOC	5.22	
		PM	0.81	
		PM_{10}	0.81	
		$PM_{2.5}$	0.81	
		H_2S	0.04	
		CO_2 (11)	--	
		CH_4 (11)	--	
		N_2O (11)	--	
		CO_{2e}	--	
MVCU8-FUG	Marine Vapor Combustor Unit 8 Fugitives	VOC	0.21	0.79
		H_2S	<0.01	<0.01
		CH_4 (11)	--	0.20

Emission Sources - Maximum Allowable Emission Rates

		CO_{2e}	--	5.06
COMBUSTCAP	Marine Vapor Combustion Unit 2, 3, 4, 5, 6, 7 and 8 Emissions Cap	NO_x	--	49.94
		CO	--	15.15
		SO_2	--	524.29
		VOC	--	25.63
		PM	--	4.36
		PM_{10}	--	4.36
		$PM_{2.5}$	--	4.36
		H_2S	--	0.28
		CO_2 (11)	--	96,181
		CH_4 (11)	--	3.87
		N_2O (11)	--	0.77
		CO_{2e}	--	96,509
LOADBDA	Barge Dock A Loading Fugitives	VOC	6.22	--
		H_2S	<0.01	--
LOADBDB	Barge Dock B Loading Fugitives	VOC	6.22	--
		H_2S	<0.01	--
LOADBDC	Barge Dock C Loading Fugitives	VOC	6.22	18.65
		H_2S	<0.01	<0.01
LOADBDD	Barge Dock D Loading Fugitives	VOC	6.22	--
		H_2S	<0.01	--
LOADBDE	Barge Dock E Loading Fugitives	VOC	6.22	--
		H_2S	<0.01	--
LOADSD1	Ship Dock 1 Loading Fugitives	VOC	13.43	--
		H_2S	0.04	--
LOADSD2	Ship Dock 2 Loading Fugitives	VOC	14.92	--
		H_2S	0.04	--

Emission Sources - Maximum Allowable Emission Rates

LOADSD3	Ship Dock 3 Loading Fugitives	VOC	14.92	7.46
		H_2S	<0.01	<0.01
LOADSD4	Ship Dock 4 Loading Fugitives	VOC	14.92	--
		H_2S	0.04	--
LOADSD5	Ship Dock 5 Loading Fugitives	VOC	14.92	--
		H_2S	0.04	--
LOADSD6	Ship Dock 6 Loading Fugitives	VOC	14.92	--
		H_2S	0.04	--
LOADSD7	Ship Dock 7 Loading Fugitives	VOC	14.92	--
		H_2S	0.04	--
LOADSD8	Ship Dock 8 Loading Fugitives	VOC	14.92	--
		H_2S	0.04	--
LOADCAP	Docks A, D, E, 2, 4, 5, 6, 7, and 8 Loading Emission Cap	VOC	--	18.94
		H_2S	--	0.21
LOADCAP2	Docks B and 1 Loading Emission Cap	VOC	--	4.71
		H_2S	--	0.01
LBDAFUG	Barge Dock A Component Fugitives (5)	VOC	0.21	0.79
		H_2S	<0.01	<0.01
LBDBFUG	Barge Dock B Component Fugitives (5)	VOC	0.21	0.79
		H_2S	<0.01	<0.01
LBDCFUG	Barge Dock C Component Fugitives (5)	VOC	0.21	0.79
		H_2S	<0.01	<0.01
LBDDFUG	Barge Dock D Component Fugitives (5)	VOC	0.21	0.79
		H_2S	<0.01	<0.01
LBDEFUG	Barge Dock E Component Fugitives (5)	VOC	0.21	0.79
		H_2S	<0.01	<0.01
LSD1FUG	Ship Dock 1 Component Fugitives (5)	VOC	0.21	0.79
		H_2S	<0.01	<0.01

Emission Sources - Maximum Allowable Emission Rates

LSD2FUG	Ship Dock 2 Component Fugitives (5)	VOC	0.21	0.79
		H_2S	<0.01	<0.01
LSD3FUG	Ship Dock 3 Component Fugitives (5)	VOC	0.21	0.79
		H_2S	<0.01	<0.01
LSD4FUG	Ship Dock 4 Component Fugitives (5)	VOC	0.21	0.79
		H_2S	<0.01	<0.01
LSD5FUG	Ship Dock 5 Component Fugitives	VOC	0.21	0.79
		H_2S	<0.01	<0.01
LSD6FUG	Ship Dock 6 Component Fugitives (5)	VOC	0.21	0.79
		H_2S	<0.01	<0.01
LSD7FUG	Ship Dock 7 Component Fugitives (5)	VOC	0.21	0.79
		H_2S	<0.01	<0.01
LSD8FUG	Ship Dock 8 Component Fugitives (5)	VOC	0.21	0.79
		H_2S	<0.01	<0.01

Emission Sources - Maximum Allowable Emission Rates

(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 - nitrogen oxides
SO_2 - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM_{10} 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
CO - carbon monoxide
H_2S - hydrogen sulfide
CO_2 - carbon dioxide
N_2O - nitrous oxide
CH_4 - methane
CO_{2e} - carbon dioxide equivalents based on the following Global Warming Potentials (1/2015): CO_2 (1), N_2O (298) and CH_4(25).
(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) EPN MVCU1-FUG includes MVCU1 and MVCU 1-A fugitives.
(7) This is the maximum allowable rolling 12-month combined emission rate from routine storage and roof landings for all floating roof storage tanks covered by this permit. Each storage tank is also subject to its individually listed hourly VOC emission rate for routine storage. In addition, the total annual VOC emission rate from all of the floating roof storage tanks shall not exceed the listed EPN TANKCAP emission limit.
(8) These are maximum VOC emissions for floating roof storage tank in crude oil/condensate service degassing to the atmosphere. Hourly emissions are based on no more than one floating roof storage tank in crude oil/condensate service being degassed to the atmosphere at any one time. Annual emissions are based on up to 20 floating roof storage tanks in crude oil/condensate service being degassed to the atmosphere in any 12-month period. Annual emissions are for a rolling 12-month basis.
(9) These are maximum VOC emissions from the venting of planned landing, degassing and refloating emissions from floating roof storage tanks in crude oil/condensate service to the portable vapor combustor. Hourly emissions are based on emissions from no more than one floating roof storage tanks in crude oil/condensate service being vented to the portable vapor combustor at any one time. Annual emissions are for a rolling 12-month basis.
(10) When storing natural gasoline and/or gasoline blendstocks, storage tanks 2100, 2101 and 2102 are controlled by VRU-1 while storage tank 2103 is controlled by VRU-2.
(11) Emission rate is given for informational purposes only and does not constitute an enforceable limit.

Date: **Draft**