Emission Sources - Maximum Allowable Emission Rates

Permit Number 6113

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)
H-501	Crude Heater 44-MMBTu/hr	NOx	2.02	8.87
		CO	2.20	9.64
		PM_{10}	0.33	1.44
		SO_2	0.23	0.61
		VOC	0.24	1.04
H-503	Crude Heater 37-MMBTu/hr	NOx	1.70	7.45
		CO	1.85	8.10
		PM_{10}	0.28	1.21
		SO_2	0.20	0.51
		VOC	0.20	0.87
AAU	AAU Heater (8) 18-MMBTu/hr	NOx	0.83	3.63
		CO	0.90	3.94
		PM_{10}	0.13	0.59
		SO_2	0.10	0.26
		VOC	0.10	0.43
L-2	Truck Loading Fugitives (9)	VOC	3.72	2.31
L2-FUG	Truck Loading Equipment Fugitives (9)(6)	VOC	0.39	1.70

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			lbs/hour	TPY (4)
FL-1	Flare (5)	NOx	0.37	0.27
		CO	1.89	1.38
		SO_2	0.01	0.01
		VOC	5.66	3.57
T-434	Tank 434	VOC	1.52	0.12
T-96	Tank 96	VOC	0.65	0.31
T-97	Tank 97	VOC	0.65	0.31
T-412	Tank 412	VOC	1.06	0.62
T-424	Tank 424	VOC	0.68	0.10
T-425	Tank 425	VOC	0.68	0.10
T-427	Tank 427	VOC	0.65	0.11
T-431	Tank 431	VOC	0.55	0.04
T-432	Tank 432	VOC	0.55	0.04
T-433	Tank 433	VOC	0.55	0.04
T-124	Tank 124	VOC	0.18	0.20
T-428	Tank 428	VOC	0.38	0.14
T-429	Tank 429	VOC	0.37	0.14
T-430	Tank 430	VOC	0.37	0.14
T-113	Tank 113	VOC	0.18	0.01
T-401	Tank 401	VOC	1.11	1.36
T-404	Tank 404	VOC	1.21	1.32
T-406	Tank 406	VOC	1.09	3.82
T406FUG	T406FUG (9)	VOC	0.03	0.12

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T-408	Tank 408	VOC	1.83	3.04
FUG-1	Process Fugitives (9)(6)	VOC	2.94	12.88
FUG-2	Fugitives (9)(6)	VOC	3.84	16.81
L-3	4-Oil Loading	VOC	0.05	0.07
RL-1	Railcar Loading	VOC	23.51	0.94
F-11	F-11 Heater (7)	NOx	3.07	13.46
		CO	1.92	8.41
		PM_{10}	0.29	1.25
		SO_2	0.20	0.87
		NMVOC	0.21	0.91
F-12	F-12 Heater (7)	NOx	2.35	10.30
		CO	1.47	6.44
		PM_{10}	0.22	0.96
		SO_2	0.15	0.67
		NMVOC	0.16	0.69
F-13	F-13 Heater (7)	NOx	1.02	4.49
		CO	0.64	2.80
		PM_{10}	0.10	0.42
		SO_2	0.07	0.29
		NMVOC	0.07	0.30
F-31	F-31Heater (7)	NOx	0.94	4.13
		CO	0.59	2.58
		PM_{10}	0.09	0.39
F-31 (continued)	F-31Heater (7)	SO_2	0.06	0.27
		NMVOC	0.06	0.28

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MSS	MSS (7)	NOx	0.37	0.01
		CO	1.47	0.01
		PM	5.68	0.25
		SO_2	0.01	0.01
		NMVOC	27.61	5.52
T-903	Tank 903 (7)	H_2O	0.00	0.00
T-904	Tank 904(7)	H_2O	0.00	0.00
T-900-1	Pressurized Tank 900-1 (7)		0.00	0.00
T-900-2	Pressurized Tank 900-2 (7)		0.00	0.00
FL-2	Pilot Flare (7)	NOx	0.02	0.10
		CO	0.09	0.38
		SO_2	0.01	0.01
		NMVOC	0.01	0.06
API-1	API Separator (8)	VOC	0.07	0.23
T-115	Tank 115 (7)	VOC	0.55	0.05
T-116	Tank 116 (7)	VOC	0.55	0.05
T-119	Tank 119 (7)	VOC	0.32	0.01
T-120	Tank 120 (7)	VOC	0.37	0.01
T-122	Tank 122 (7)	VOC	0.14	0.01
T-125	Tank 125 (7)	VOC	0.32	0.03
T-126	Tank 126 (7)	VOC	0.32	0.03
T-214	Tank 214 (7)	VOC	0.05	0.03
T-303	Tank 303 (7)	VOC	6.12	0.21
T-304	Tank 304 (7)	VOC	6.12	0.21

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T-305	Tank 305 (7)	VOC	6.12	0.21
T-306	Tank 306 (7)	VOC	6.12	0.21
T-307	Tank 307 (7)	VOC	0.55	0.02
T-308	Tank 308 (7)	VOC	0.55	0.02
T-309	Tank 309 (7)	VOC	1.31	0.05
T-310	Tank 310 (7)	VOC	0.55	0.01
T-311	Tank 311 (7)	VOC	0.55	0.01
T-312	Tank 312 (7)	VOC	0.55	0.01
T-313	Tank 313 (7)	VOC	0.55	0.01
T-314	Tank 314 (7)	VOC	1.31	0.05
T-315	Tank 315 (7)	VOC	1.31	0.05
T-316	Tank 316 (7)	VOC	1.31	0.05
T-318	Tank 318 (7)	VOC	0.41	0.02
T-319	Tank 319 (7)	VOC	0.41	0.02
T-321	Tank 321 (7)	VOC	0.37	0.01
T-322	Tank 322 (7)	VOC	0.37	0.01
T-330	Tank 330 (7)	VOC	0.37	0.01
T-331	Tank 331 (7)	VOC	1.31	0.06
T-332	Tank 332 (7)	VOC	0.55	0.02
T-409	Tank 409 (7)	VOC	1.04	0.23
T-410	Tank 410 (7)	VOC	1.04	0.23
T-411	Tank 411 (7)	VOC	1.04	0.23
T-420	Tank 420 (7)	H_2O	0.00	0.00
T-422	Tank 422 (7)	VOC	0.65	0.10
T-423	Tank 423 (7)	VOC	0.65	0.10

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T-750	Tank 750 (7)	VOC	0.06	0.01
D-1	Tank D-1 (7)	VOC	0.11	0.01
B-901	Boiler 601 (7)	NOx	0.68	2.98
		CO	0.57	2.50
		VOC	0.04	0.18
		PM_{10}	0.22	0.22
CT-1	Cooling Tower (7)	VOC	1.62	7.10
		PM_{10}	0.77	3.37

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
NMVOC - non-methane volatile organic compounds
NO_x - total oxides of nitrogen
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
CO - carbon monoxide
H2O - water
(4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
(5) Emissions from collected tank truck loading operations are sent to this flare from this permitted facility.
(6) Emissions are to be effective June 13, 2009 and are based on a 28 VHP leak detection and repair program.
(7) Portions of these emissions for these facilities were authorized under permits by rule and incorporated by reference only into this permit.
(8) These emission point numbers are authorized under Permit Number 6113. The EPN AAU was originally authorized under permit Number 5531 and API-1 was originally authorized under permit Number 56348. Permit Numbers 5531 and 56348 are voided.
(9) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Date: January 24, 2012