Emission Sources - Maximum Allowable Emission Rates

Permit Number 21527

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)
HO-HTR1	Hot Oil Heater No.1	NOx	0.64	2.791
		CO	0.54	2.345
		VOC	0.04	0.154
		SO2	0.004	0.017
		PM	0.05	0.212
		PM10	0.05	0.212
		PM2.5	0.05	0.212
101	Tank 101	VOC	0.18	0.004
102	Tank 102	VOC	0.17	0.008
103	Tank 103	VOC	0.11	0.004
104	Tank 104	VOC	0.11	0.004
105	Tank 105	VOC	0.10	0.002
106	Tank 106	VOC	0.10	0.002
107	Tank 107	VOC	0.14	0.003
108	Tank 108	VOC	0.06	0.001
110	Tank 110	VOC	0.11	0.004
111	Tank 111	VOC	0.10	0.004
112	Tank 112	VOC	0.12	0.004
113	Tank 113	VOC	0.10	0.004
114	Tank 114	VOC	0.14	0.006
115	Tank 115	VOC	0.15	0.003

Emission Sources - Maximum Allowable Emission Rates

116	Tank 116	VOC	0.05	0.004
117	Tank 117	VOC	0.05	0.001
118	Tank 118	VOC	0.05	0.001
119	Tank 119	VOC	0.16	0.008
120	Tank 120	VOC	0.12	0.004
121	Tank 121	VOC	0.16	0.004
122	Tank 122	VOC	0.16	0.006
123	Tank 123	VOC	0.15	0.005
124	Tank 124	VOC	0.15	0.005
128	Tank 128	VOC	0.07	0.004
129	Tank 129	VOC	0.11	0.008
130	Tank 130	VOC	0.14	0.004
131	Tank 131	VOC	0.16	0.004
132	Tank 132	VOC	0.21	0.004
137	Tank 137	VOC	0.07	0.009
138	Tank 138	VOC	0.07	0.009
139	Tank 139	VOC	0.11	0.009
140	Tank 140	VOC	0.21	0.009
145	Tank 145	VOC	0.10	0.009
146	Tank 145	VOC	0.10	0.009
147	Tank 146	VOC	0.11	0.009
153	Tank 153	VOC	0.29	0.019
154	Tank 154	VOC	0.29	0.019
155	Tank 155	VOC	0.21	0.009
161	Tank 161	VOC	0.32	0.024

Emission Sources - Maximum Allowable Emission Rates

162	Tank 162	VOC	0.11	0.053
166	Tank 166	VOC	0.32	0.053
167	Tank 167	VOC	0.32	0.053
168	Tank 168	VOC	0.31	0.023
169	Tank 169	VOC	0.21	0.006
170	Tank 170	VOC	0.11	0.009
171	Tank 171	VOC	0.11	0.009
174	Tank 174	VOC	0.32	0.053
175	Tank 175	VOC	0.43	0.072
180	Tank 180	VOC	0.43	0.135
181	Tank 181	VOC	0.32	0.135
182	Tank 182	VOC	0.21	0.004
183	Tank 183	VOC	0.11	0.004
184	Tank 184	VOC	0.07	0.004
186	Tank 186	VOC	0.11	0.004
187	Tank 187	VOC	0.11	0.004
188	Tank 188	VOC	0.11	0.005
189	Tank 189	VOC	0.14	0.003
190	Tank 190	VOC	0.18	0.003
191	Tank 191	VOC	0.18	0.003
192	Tank 192	VOC	0.14	0.003
193	Tank 193	VOC	0.11	0.003
194	Tank 194	VOC	0.22	0.003
195	Tank 195	VOC	0.07	0.003
196	Tank 196	VOC	0.21	0.008

Emission Sources - Maximum Allowable Emission Rates

197	Tank 197	VOC	0.18	0.004
198	Tank 198	VOC	0.23	0.009
199	Tank 199	VOC	0.45	0.001
201	Tank 201	VOC	0.04	<0.001
301	Tank 301	VOC	0.32	0.022
302	Tank 302	VOC	0.32	0.022
303	Tank 303	VOC	0.51	0.022
304	Tank 304	VOC	0.20	0.035
305	Tank 305	VOC	0.32	0.022
306	Tank 306	VOC	0.32	0.022
307	Tank 307	VOC	0.32	0.012
308	Tank 308	VOC	0.32	0.009
309	Tank 309	VOC	0.32	0.009
310	Tank 310	VOC	0.32	0.009
311	Tank 311	VOC	0.32	0.012
312	Tank 312	VOC	0.16	0.009
313	Tank 313	VOC	0.32	0.009
314	Tank 314	VOC	0.32	0.009
315	Tank 315	VOC	0.32	0.012
316	Tank 316	VOC	0.32	0.009
317	Tank 317	VOC	0.32	0.009
319	Tank 319	VOC	0.32	0.012
320	Tank 320	VOC	0.32	0.009
321	Tank 321	VOC	0.32	0.009
323	Tank 323	VOC	0.15	0.004

Emission Sources - Maximum Allowable Emission Rates

324	Tank 324	VOC	0.20	0.002
325	Tank 325	VOC	0.15	0.002
326	Tank 326	VOC	0.13	0.001
327	Tank 327	VOC	0.21	0.004
328	Tank 328	VOC	0.21	0.002
329	Tank 329	VOC	0.21	0.002
330	Tank 330	VOC	0.18	0.001
331	Tank 331	VOC	0.21	0.002
332	Tank 332	VOC	0.21	0.002
333	Tank 333	VOC	0.21	0.002
334	Tank 334	VOC	0.18	0.001
335	Tank 335	VOC	0.32	0.004
336	Tank 336	VOC	0.32	0.004
337	Tank 337	VOC	0.32	0.004
338	Tank 338	VOC	0.30	0.004
339	Tank 339	VOC	0.32	0.006
340	Tank 340	VOC	0.32	0.003
341	Tank 341	VOC	0.32	0.003
342	Tank 342	VOC	0.32	0.003
343	Tank 343	VOC	0.32	0.003
344	Tank 344	VOC	0.32	0.003
345	Tank 345	VOC	0.32	0.003
346	Tank 346	VOC	0.32	0.003
347	Tank 347	VOC	0.32	0.003
348	Tank 348	VOC	0.32	0.003

Emission Sources - Maximum Allowable Emission Rates

349	Tank 349	VOC	0.32	0.003
350	Tank 350	VOC	0.32	0.003
351	Tank 351	VOC	0.32	0.022
352	Tank 352	VOC	0.32	0.008
353	Tank 353	VOC	0.32	0.007
354	Tank 354	VOC	0.32	0.008
355	Tank 355	VOC	0.32	0.005
362	Tank 362	VOC	0.21	0.002
363	Tank 363	VOC	0.21	0.002
364	Tank 364	VOC	0.21	0.002
365	Tank 365	VOC	0.21	0.002
366	Tank 366	VOC	0.21	0.002
367	Tank 367	VOC	0.21	0.002
368	Tank 368	VOC	0.21	0.010
369	Tank 369	VOC	0.21	0.010
370	Tank 370	VOC	0.21	0.006
407	Tank 407	VOC	0.14	0.004
408	Tank 408	VOC	0.14	0.004
409	Tank 409	VOC	0.15	0.002
410	Tank 410	VOC	0.15	0.002
411	Tank 411	VOC	0.16	0.001
412	Tank 412	VOC	0.15	0.001
413	Tank 413	VOC	0.15	0.001
414	Tank 414	VOC	0.15	0.001
415	Tank 415	VOC	0.15	0.001

Emission Sources - Maximum Allowable Emission Rates

416	Tank 416	VOC	0.16	0.003
417	Tank 417	VOC	0.16	0.003
418	Tank 418	VOC	0.15	0.001
419	Tank 419	VOC	0.15	0.001
420	Tank 420	VOC	0.15	0.001
448	Tank 448	VOC	0.05	0.002
502	Tank 502	VOC	0.41	0.023
503	Tank 503	VOC	0.21	0.028
504	Tank 504	VOC	0.21	0.028
505	Tank 505	VOC	0.21	0.035
506	Tank 506	VOC	0.32	0.097
507	Tank 507	VOC	0.21	0.002
508	Tank 508	VOC	0.22	0.009
509	Tank 509	VOC	0.45	0.022
510	Tank 510	VOC	0.22	0.012
511	Tank 511	VOC	0.22	0.012
512	Tank 512	VOC	0.45	0.023
513	Tank 513	VOC	0.23	0.012
514	Tank 514	VOC	0.22	0.012
515	Tank 515	VOC	0.21	0.012
516	Tank 516	VOC	0.21	0.012
517	Tank 517	VOC	0.22	0.012
601	Tank 601	VOC	0.35	0.051
602	Tank 602	VOC	0.09	0.076
603	Tank 603	VOC	0.35	0.020

Emission Sources - Maximum Allowable Emission Rates

604	Tank 604	VOC	0.32	0.005
701	Tank 701	VOC	0.23	0.020
702	Tank 702	VOC	0.21	0.020
703	Tank 703	VOC	0.25	0.019
704	Tank 704	VOC	0.22	0.020
705	Tank 705	VOC	0.22	0.020
706	Tank 706	VOC	0.24	0.014
707	Tank 707	VOC	0.18	0.003
708	Tank 708	VOC	0.18	0.003
709	Tank 709	VOC	0.18	0.003
710	Tank 710	VOC	0.18	0.003
711	Tank 711	VOC	0.20	0.006
715	Tank 715	VOC	0.20	0.002
716	Tank 716	VOC	0.20	0.002
717	Tank 717	VOC	0.22	0.001
318A	Tank 318A	VOC	0.21	0.002
318B	Tank 318B	VOC	0.22	0.004
318C	Tank 318C	VOC	0.22	0.005
322A	Tank 322A	VOC	0.21	0.004
322B	Tank 322B	VOC	0.22	0.004
322C	Tank 322C	VOC	0.22	0.005
357A	Tank 357A	VOC	0.22	0.002
357B	Tank 357B	VOC	0.22	0.002
357C	Tank 357C	VOC	0.22	0.002
357D	Tank 357D	VOC	0.22	0.002

Emission Sources - Maximum Allowable Emission Rates

360A	Tank 360A	VOC	0.22	0.002
360B	Tank 360B	VOC	0.21	0.002
361A	Tank 361A	VOC	0.22	0.002
361B	Tank 361B	VOC	0.21	0.002
T-3111	Cocktail Tank-7,000 gal	VOC	0.17	0.002
T-3112	Cocktail Tank-1,700 gal	VOC	>0.01	0.001
T-3113	Cocktail Tank-1,700 gal	VOC	>0.01	0.001
T-3114	Cocktail Tank-1,700 gal	VOC	>0.01	0.001
T-3151	Minibulk Tank-517 gal	VOC	0.02	<0.001
T-3152	Minibulk Tank-517 gal	VOC	0.02	<0.001
T-3153	Minibulk Tank-517 gal	VOC	0.02	<0.001
T-3154	Minibulk Tank-1,034 gal	VOC	0.02	<0.001
T-3155	Minibulk Tank-1,034 gal	VOC	0.02	<0.001
T-3156	Minibulk Tank-1,034 gal	VOC	0.02	<0.001
V-3105	BBV01-7,300 gal	VOC	0.12	0.004
V-3106	BBV02-3,500 gal	VOC	0.12	0.001
V-3120	Dosing Vessel-2,150 gal	VOC	<0.001	<0.001
V-3121	Dosing Vessel-725 gal	VOC	<0.001	<0.001
TL-1A,TL-1B & TL-1C	Tank Truck Loading Rack A, B & C	VOC	0.12	0.30
RL-D	Railcar Loading Rack	VOC	0.12	0.015
CL-1	Container Loading	VOC	0.29	1.21
FU-1	Fugitives (5)	VOC	1.02	4.468

(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
SO_2 - sulfur dioxide

Emission Sources - Maximum Allowable Emission Rates

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

(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.

Date: July 26, 2013