Emission Sources - Maximum Allowable Emission Rates

Permit Number 149679

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)
TO-1 (FINS routed to TO: P1, P2, P3, P4, S1, H1, A1, SC1, SC2, SC3, SC4, SC6, T-218 and SIB Tank Scrubber)	Thermal Oxidizer	VOC	0.16	0.04
		NOx	0.66	0.07
		CO	3.22	0.32
		PM	0.08	0.01
		PM_{10}	0.08	0.01
		$PM_{2.5}$	0.08	0.01
		H_2S	0.01	<0.01
		SO_2	33.94	3.64
SC-7	Reactor A2 Scrubber	VOC	0.07	0.01
SC-8	Reactor A1 Scrubber	VOC	3.59	0.73
		NH_3	0.81	0.08
SC-T-189	Storage Tank Scrubber	VOC	0.03	<0.01
SC-T-204	Storage Tank Scrubber	VOC	0.13	<0.01
SC-T-203	Tank Scrubber	VOC	0.01	<0.01
P&F-1	Plate and Frame Filter 1	VOC	0.11	0.04
P&F-2	Plate and Frame Filter 2	VOC	0.11	0.04
P&F-3	Plate and Frame Filter 3	VOC	0.40	0.21
P&F-4	Plate and Frame Filter 4	VOC	0.40	0.21
LOAD-1	Bulk Loading	VOC	0.95	0.11
LOAD-2	Drum and Tote Loading	VOC	0.70	0.11
WASTE-LOAD	Reactor Waste Loading	VOC	0.07	0.06
SA-1	Solids Handling	PM	0.03	0.11
		PM_{10}	0.01	0.05
		$PM_{2.5}$	<0.01	0.01
FA-1	Filter Aid Addition	PM	0.10	0.45
		PM_{10}	0.05	0.21

Emission Sources - Maximum Allowable Emission Rates

		$PM_{2.5}$	0.01	0.03
FUG-1	Fugitive Components (5)	VOC	1.41	4.53
		H_2S	0.03	0.11
		NH_3	0.13	0.55
SC-MSS	MSS Spent Solvent Tank Scrubber	VOC	0.06	0.03
MSS-1	MSS Solvent Loading	VOC	0.03	0.01
Raw Material Tanks				
T-188	Tank T-188	VOC	0.27	<0.01
T-190	Tank T-190	VOC	<0.01	<0.01
T-194	Tank T-194	VOC	0.20	<0.01
T-195	Tank T-195	VOC	<0.01	<0.01
T-196	Tank T-196	VOC	<0.01	<0.01
T-197	Tank T-197	VOC	0.05	<0.01
T-198	Tank T-198	VOC	0.05	<0.01
T-199	Tank T-199	VOC	<0.01	<0.01
T-200	Tank T-200	VOC	<0.01	<0.01
T-201	Tank T-201	VOC	0.05	<0.01
T-202	Tank T-202	VOC	0.05	<0.01
T-205	Tank T-205	VOC	0.05	<0.01
T-206	Tank T-206	VOC	0.27	<0.01
T-207	Tank T-207	VOC	0.27	<0.01
T-208	Tank T-208	VOC	<0.01	<0.01
T-211	Tank T-211	VOC	<0.01	<0.01
T-216	Tank T-216	VOC	0.05	<0.01
T-219	Tank T-219	VOC	0.06	<0.01
T-220	Tank T-220	VOC	0.03	<0.01
T-255	Tank T-255	VOC	0.05	<0.01
T-256	Tank T-256	VOC	0.05	<0.01
T-257	Tank T-257	VOC	0.26	<0.01
T-285	Tank T-285	VOC	<0.01	<0.01
T-286	Tank T-286	VOC	<0.01	<0.01
T-287	Tank T-287	VOC	<0.01	<0.01
T-288	Tank T-288	VOC	<0.01	<0.01
T-289	Tank T-289	VOC	<0.01	<0.01
T-290	Tank T-290	VOC	<0.01	<0.01
T-291	Tank T-291	VOC	<0.01	<0.01

Emission Sources - Maximum Allowable Emission Rates

T-292	Tank T-292	VOC	<0.01	<0.01
T-293	Tank T-293	VOC	<0.01	<0.01
T-294	Tank T-294	VOC	<0.01	<0.01
T-295	Tank T-295	VOC	<0.01	<0.01
T-296	Tank T-296	VOC	<0.01	<0.01
T-297	Tank T-297	VOC	<0.01	<0.01
T-298	Tank T-298	VOC	<0.01	<0.01
T-299	Tank T-299	VOC	<0.01	<0.01
T-300	Tank T-300	VOC	<0.01	<0.01
T-301	Tank T-301	VOC	<0.01	<0.01
T-302	Tank T-302	VOC	<0.01	<0.01
T-303	Tank T-303	VOC	<0.01	<0.01
T-304	Tank T-304	VOC	<0.01	<0.01
T-305	Tank T-305	VOC	<0.01	<0.01
T-306	Tank T-306	VOC	<0.01	<0.01
T-307	Tank T-307	VOC	<0.01	<0.01
T-308	Tank T-308	VOC	<0.01	<0.01
T-309	Tank T-309	VOC	<0.01	<0.01
T-349	Tank T-349	VOC	0.05	<0.01
Finished Product Tanks				
T-162	Tank T-162	VOC	<0.01	<0.01
T-163	Tank T-163	VOC	<0.01	<0.01
T-164	Tank T-164	VOC	<0.01	<0.01
T-165	Tank T-165	VOC	<0.01	<0.01
T-209	Tank T-209	VOC	0.01	<0.01
T-210	Tank T-210	VOC	0.01	<0.01
T-212	Tank T-212	VOC	0.01	<0.01
T-213	Tank T-213	VOC	0.01	<0.01
T-214	Tank T-214	VOC	0.05	<0.01
T-215	Tank T-215	VOC	0.01	<0.01
T-217	Tank T-217	VOC	0.05	<0.01
T-221	Tank T-221	VOC	<0.01	<0.01
T-222	Tank T-222	VOC	<0.01	<0.01
T-223	Tank T-223	VOC	<0.01	<0.01
T-224	Tank T-224	VOC	<0.01	<0.01
T-225	Tank T-225	VOC	<0.01	<0.01

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T-226	Tank T-226	VOC	<0.01	<0.01
T-227	Tank T-227	VOC	<0.01	<0.01
T-228	Tank T-228	VOC	<0.01	<0.01
T-229	Tank T-229	VOC	<0.01	<0.01
T-230	Tank T-230	VOC	<0.01	<0.01
T-231	Tank T-231	VOC	<0.01	<0.01
T-232	Tank T-232	VOC	<0.01	<0.01
T-233	Tank T-233	VOC	<0.01	<0.01
T-234	Tank T-234	VOC	<0.01	<0.01
T-235	Tank T-235	VOC	<0.01	<0.01
T-236	Tank T-236	VOC	<0.01	<0.01
T-237	Tank T-237	VOC	<0.01	<0.01
T-238	Tank T-238	VOC	<0.01	<0.01
T-239	Tank T-239	VOC	<0.01	<0.01
T-240	Tank T-240	VOC	<0.01	<0.01
T-241	Tank T-241	VOC	<0.01	<0.01
T-242	Tank T-242	VOC	<0.01	<0.01
T-243	Tank T-243	VOC	<0.01	<0.01
T-244	Tank T-244	VOC	<0.01	<0.01
T-245	Tank T-245	VOC	<0.01	<0.01
T-246	Tank T-246	VOC	<0.01	<0.01
T-247	Tank T-247	VOC	0.02	<0.01
T-248	Tank T-248	VOC	0.02	<0.01
T-249	Tank T-249	VOC	0.02	<0.01
T-250	Tank T-250	VOC	0.02	<0.01
T-251	Tank T-251	VOC	<0.01	<0.01
T-258	Tank T-258	VOC	0.05	<0.01
T-259	Tank T-259	VOC	0.01	<0.01
T-260	Tank T-260	VOC	<0.01	<0.01
T-261	Tank T-261	VOC	0.26	<0.01
T-262	Tank T-262	VOC	<0.01	<0.01
T-263	Tank T-263	VOC	<0.01	<0.01
T-264	Tank T-264	VOC	1.64	0.03
T-265	Tank T-265	VOC	1.64	0.03
T-266	Tank T-266	VOC	1.64	0.03
T-310	Tank T-310	VOC	<0.01	<0.01

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(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
H_2S - hydrogen sulfide
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
NH_3 - ammonia
(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: December 19, 2018