Emission Sources - Maximum Allowable Emission Rates

Permit Number 50504

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 (6)	
			lbs/hour	TPY (4)
MAIN-A_1	A1 Tank Vent	VOC	4.42	0.03
MAIN-A_2	A2 Tank Vent	VOC	2.12	0.59
MAIN-B_3	B3 Tank Vent	VOC	10.33	0.12
MAIN-B_4	B4 Tank Vent	VOC	35.51	0.17
MAIN-B_5	B5 Tank Vent	VOC	0.44	<0.01
MAIN-C_6	C6 Tank Vent	VOC	10.71	0.13
MAIN-C_7	C7 Tank Vent	VOC	0.39	<0.01
MAIN-C_8	C8 Tank Vent	VOC	6.41	<0.01
MAIN-C_9	C9 Tank Vent	VOC	11.68	0.02
MAIN-D_11	D11 Tank Carbon Canister Vent	Exempt Solvent	0.07	<0.01
MAIN-E_12	E12 Tank Vent	VOC	10.69	0.07
MAIN-E_13	E13 Tank Vent	VOC	0.02	<0.01
MAIN-E_14	E14 Tank Vent	Exempt Solvent	54.79	0.75
MAIN-F_15	F15 Tank Vent	VOC	13.31	0.04
MAIN-F_16	F16 Tank Vent	VOC	13.31	0.04
MAIN-F_17	F17 Tank Vent	VOC	33.84	0.23
MAIN-F_18	F18 Tank Vent	VOC	0.54	0.01
MAIN-G_19	G19 Tank Vent	VOC	1.89	0.04
MAIN-G_20	G20 Tank Vent	VOC	0.44	<0.01
MAIN-G_21	G21 Tank Vent	VOC	0.65	0.07
MAIN-G_22	G22 Tank Vent	VOC	4.53	0.04
MAIN-H_23	H23 Tank Vent	VOC	10.56	0.07
MAIN-H_24	H24 Tank Vent	VOC	0.06	<0.01
OXID-1	Peroxide Tank 1 Vent	H_2O_2	<0.01	<0.01

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OXID-2	Peroxide Tank 2 Vent	H_2O_2	<0.01	<0.01
TEMPC-3	Temperature 3 Tank Vent	VOC	<0.01	<0.01
WH_USP-2	USP B Tank Vent	VOC	0.06	0.01
WH_USP-BL	Citric Acid Blend Tank Vent	VOC	1.06	<0.01
INORG-5	Inorganic Acid Tank 5 Vent	Inorganic Acids	0.18	0.03
INORG-6	Inorganic Acid Tank 6 Vent	Inorganic Acids	0.01	0.01
INORG-9	Inorganic Acid Tank 9 Vent	Inorganic Acids	0.01	0.01
MAIN_BL1	Organics Blend Tank 1 Vent	VOC	11.84	0.24
		Exempt Solvent	19.18	0.35
MAIN_BL2	Organics Blend Tank 2 Vent	VOC	11.84	0.24
		Exempt Solvent	19.18	0.42
CAS2	Carbon Adsorption System 2 (Tanker Truck Loading, Tank MAIN-D_10 - Cresol Storage Tank, and Cresol Blending)	VOC	0.06	0.28
TRUCKFUG	Truck Loading Fugitives	VOC	0.15	0.71
		Exempt Solvent	0.41	0.14
MAIN_FILL	Organics Fill Station Stack	VOC	11.14	1.62
		Exempt Solvent	17.58	0.48
OXID_FILL	Oxidizer Fill Station Stack	H_2O_2	0.05	<0.01
TEMP/USP FILL	Temperature Controlled and White USP Product Fill Station Stack	VOC	0.47	0.03
WS1	Water Scrubber Stack (Acid Filling)	Inorganic Acid	0.04	0.03
CAS1	Carbon Adsorption System 1 (Methylene Chloride Filling)	Exempt Solvent	0.46	2.02
ACID_FUG	Inorganics Tank Farm Fugitives (5)	Inorganic Acids	0.18	0.77

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MAIN_FUG	Main Tank Farm Fugitives (5)	VOC	1.18	0.04
		Exempt Solvent	0.14	0.02
OXID_FUG	Oxidizer Tanks Fugitives (5)	H_2O_2	0.13	0.56
TEMPC_FUG	Temperature Controlled Tanks Fugitives (5)	VOC	0.31	1.36
WH_USP FUG	White USP Tank Farm Fugitives (5)	VOC	0.13	0.55
All Emission Points at the Site	All Sources at the Site	Individual HAP	---	<10.00
		Total HAP	---	<25.00

(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) Exempt Solvent - Those carbon compounds or mixtures of carbon compounds used as solvents which have been excluded from the definition of volatile organic compound.
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
HAP - hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C
H_2O_2 - Hydrogen Peroxide
(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) Allowable emission rates include planned startup and shutdown activities.

Date: September 8, 2017