Emission Sources - Maximum Allowable Emission Rates
Permit Number 32770

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)
FV612F2001	Process Heater	VOC	0.08	0.02
		NO_x	0.90	0.27
		CO	1.37	0.41
		PM	0.11	0.03
		PM_{10}	0.11	0.03
		$PM_{2.5}$	0.11	0.03
		SO_2	0.01	<0.01
FV612F3001	Process Heater	VOC	0.08	0.02
		NO_x	0.90	0.27
		CO	1.37	0.41
		PM	0.11	0.03
		PM_{10}	0.11	0.03
		$PM_{2.5}$	0.11	0.03
		SO_2	0.01	<0.01
FUG	Aniline Plant Fugitives (5)	VOC	0.57	2.48
		H_2SO_4	0.03	0.12
		Nitric Acid	<0.01	<0.01
		NH_3	0.02	0.10
		Cl_2	<0.10	0.01
		NO_x	0.08	0.36
FT612T2002	Aniline WIP/MNB Tank	VOC	4.96	0.16
FT6122003A	Aniline Product Tank	VOC	2.11	--
FT6122003B	Aniline Product Tank	VOC	2.11	--
FT6122003A,	Aniline Tanks Group	VOC	--	0.66

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FT6122003B				
FT6122004	Weak Effluent Tank	VOC	<0.01	<0.01
FT6122007A	Water Stripper Product Tank	VOC	<0.01	--
FT6122007B	Water Stripper Product Tank	VOC	<0.01	--
FT6122007A, FT6122007B	Wastewater Tanks Group	VOC	--	<0.01
FS612C2007	Water Stripper Feed Tank	VOC	<0.01	<0.01
		NH_3	0.10	0.05
FT612T2102	Crude Nitrobenzene Tank	VOC	0.16	0.70
FT612T2103	Nitrobenzene Tank	VOC	0.71	0.28
FT612T2104	Sulfuric Acid Tank	H_2SO_4	<0.01	<0.01
FT612T2106	Purified Nitrobenzene Tank	VOC	0.76	0.32
FC612C2001	Cooling Tower	VOC	0.84	3.68
		PM	0.25	1.09
		PM_{10}	0.16	0.68
		$PM_{2.5}$	<0.01	<0.01
FL612L2006	Loading Emissions	VOC	0.34	0.01
FL612L2105	Loading Emissions	VOC	<0.01	<0.01
FL612L2110	Loading Emissions	VOC	0.01	<0.01
MSS Emissions				
ANI-MSSATM ANI-TKTR	MSS Tank Truck Loading/Unloading	Aniline	0.01	0.01
		Benzene	0.05	0.01
		Nitrobenzene	0.01	0.01
		Toluene	0.02	0.01
		Total VOC	0.09	0.04
ANI-MSSATM ANI-FLT	Floating Roof Storage Tank Emissions	Aliphatics	0.11	0.01
		Benzene	1.05	0.01
		Dinitrobenzene	0.01	0.01
		Dinitrophenol	0.01	0.01

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		Mononitrophenol	0.01	0.01
		Nitrobenzene	0.06	0.01
		Picric Acid	0.01	0.01
		Total VOC	1.27	0.07
ANI-MSSATM ANI-INT	Instrumentation	Total VOC	0.02	0.01
ANI-MSSATM ANI-SOL	Solids Handling	$PM_{2.5}$	0.06	0.06
		PM_{10}	0.42	0.38
		PM	0.88	0.80
ANI-MSSATM ANI-VACTR	Vacuum Trucks	Aniline	0.01	0.01
		Benzene	0.99	0.01
		Nitrobenzene	0.01	0.01
		Toluene	0.16	0.01
		Residue	0.01	0.01
		Total VOC	1.18	0.05
ANI-MSSATM ANI-UNCONT	Uncontrolled Equipment Clearing	4-Aminodiphenyl	0.01	0.01
		Aliphatics	0.05	0.01
		Aniline	0.52	0.11
		Benzene	1.43	0.02
		Cyclohexanone	0.01	0.01
		Cyclohexylamine	0.03	0.01
		Cyclohexanol	0.01	0.01
		Dinitrobenzene	0.01	0.01
		Dinitrophenol	0.01	0.01
		Diphenylamine	0.01	0.01
		m-diaminobenzene	0.01	0.01
		Mononitrophenol	0.01	0.01
		Nitrobenzene	2.66	0.05
		o-Aminophenol	0.01	0.01
		Oxalic Acid	0.01	0.01

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		Phenol	0.01	0.01
		Picric Acid	0.01	0.01
		Schiff Base (N-Cyclohexylidenaniline)	0.01	0.01
		Total VOC	4.83	0.33
		Ammonia	0.12	0.01
		Nitrogen Dioxide	0.01	0.01
ANI-MSSCNT ANI-CONT	Controlled Equipment Clearing	4-Aminodiphenyl	0.01	0.01
		Aliphatics	0.01	<0.01
		Aniline	0.17	<0.01
		Benzene	0.08	<0.01
		Cyclohexanone	0.01	<0.01
		Cyclohexylamine	0.01	<0.01
		Cyclohexanol	0.01	<0.01
		Dinitrobenzene	0.01	<0.01
		Dinitrophenol	0.01	0.01
		Diphenylamine	0.01	0.01
		m-diaminobenzene	0.01	0.01
		Mononitrophenol	0.01	0.01
		Nitrobenzene	0.10	0.01
		o-Aminophenol	0.01	0.01
		Oxalic Acid	0.01	0.01
		Phenol	0.01	0.01
		Picric Acid	0.01	0.01
		Schiff Base (N-Cyclohexylidenaniline)	0.01	0.01
		Total VOC	0.50	0.01
		Ammonia	0.01	0.01
		Nitrogen Dioxide	0.01	0.01

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.

Emission Sources - Maximum Allowable Emission Rates

(2) Specific point source name. For fugitive sources, use area name or fugitive source name.

(3)

CO	-	carbon monoxide
NO_x	-	total oxides of nitrogen
PM	-	total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented
PM_{10}	-	particulate matter (PM) 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
SO_2	-	sulfur dioxide
VOC	-	volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
Cl_2	-	Chlorine
H_2SO_4	-	Sulfuric Acid
NH_3	-	Ammonia
MSS	-	maintenance, startup and shutdown

(4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.

(5) Emission rate is an estimate and compliance is demonstrated by meeting the requirements of the applicable special conditions and permit application representations.

Date: March 26, 2019