Emission Sources - Maximum Allowable Emission Rates

Permit Number 20057

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.	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
(1)			lbs/hour	TPY (4)
APPLICABLE TO BOTH	H DMTA OPERATION A	ND HMP OPERATION		
K-1798	Flare Stack	РМ	0.01	0.01
		VOC	0.01	0.01
		NO _X	0.02	0.07
		SO ₂	0.01	0.01
		со	0.02	0.07
WB-1769	J-1765 WW Tank Scrubber	voc	0.10	0.03
		Formaldehyde	0.01	0.01
		MEK	0.01	0.01
		МеОН	0.01	0.01
K-502C	WB-502C Storage Tank	voc	0.01	0.01
PK-1901	Cooling Tower (5)	VOC	0.40	1.76
K-1970	DMTA Generator	VOC	1.59	0.02
		PM	1.39	0.02
		со	4.24	0.06
		SO ₂	1.30	0.02
		NO _X	19.65	0.26
S582F-1	Tank Farm Fugitives (5)	VOC	0.07	0.29
		Formaldehyde	0.01	0.03
		МеОН	0.01	0.03
		HCI	0.01	0.05
S582F-2	Process Unit Fugitives (5)	VOC	0.91	3.98
		Formaldehyde	0.02	0.07
		МеОН	0.09	0.39

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		HCI	0.09	0.37
		Cl ₂	0.06	0.28
		H ₂ O ₂	< 0.01	0.01
		H ₂ S	0.05	0.22
	Wastewater Fugitives	VOC	< 0.01	0.01
	(5)	Formaldehyde	< 0.01	< 0.01
		MeOH	< 0.01	0.01
OMTA OPERATIO	N ONLY			,
K-1790	Vent Stack	РМ	0.01	0.01
		VOC	0.40	1.74
		NO _X	2.06	9.05
		SO ₂	0.52	2.29
		СО	0.05	0.23
		Cl ₂	0.01	0.09
		HCI	0.10	0.44
		H ₂ S	0.01	0.02
D-1868	HCl/Cl₂ Scrubber	HCI	0.01	0.01
HMP OPERATION	NONLY			
K-1790	Vent Stack	VOC	0.49	0.93
		NO _X	0.72	1.19
		SO ₂	0.011	0.013
		СО	3.92	5.26
		РМ	0.02	0.017
		Formaldehyde	0.02	0.03
		MEK	0.01	0.01
		MeOH	0.04	0.10
D-1868	HCI/Cl ₂ Scrubber	VOC	0.01	0.01
PLANNED MAINT	ENANCE, STARTUP, AND	SHUTDOWN (MSS) EMIS	SSION RATE LIMITS	<u> </u>
MSS-DMTA	Maintenance, Start- Up and Shut-Down	VOC	38.88	2.43

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MSS-DMTA	Small and Large Equipment Purging (DMTA)	Cl ₂		
	Filter Clearing (DMTA)	Cl ₂		
	Maintenance, Start- Up and Shut-Down	Cl ₂	4.50	0.10
MSS-DMTA	Small and Large Equipment Purging (HMP)	HCI		
	Filter Clearing (HMP)	HCI		
	Maintenance, Start- Up and Shut-Down	HCI	1.87	0.04
MSS-DMTA	Small and Large Equipment Purging (DMTA)	H₂S		
	Maintenance, Start- Up and Shut-Down	H ₂ S	0.01	0.01
MSS-DMTA	Surface Coating (Aerosol)	РМ		
	Maintenance, Start- Up and Shut-Down	PM	0.06	0.01

(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

SO₂ - sulfur dioxide

PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented

CO - carbon monoxide

Cl₂ - chlorine

HCI - hydrochloric acid mist
H₂S - hydrogen sulfide
MeOH - methyl alcohol

(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.

March 16 2010	
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	March 16, 2018

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