EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 42450

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)
STOR3 STOR4A STOR4B STOR8	Truck and Container Storage Bldg, Bldg 46, Bldg 46 Solids Container Storage Area, and Deepwell Container Storage Bldg	VOC (4)	4.04	15.51
STOR5	Incinerator Container Storage Bldg	VOC	0.07	<0.01
STOR6 STOR7	Stabilization Container Storage Bldg and Ash Container Storage Bldg	VOC (5)	0.04	<0.01
TRKSAMPSTK	Truck Sampling Capture System	VOC	0.12	<0.01
TRKSAMPFUG	Truck Sampling Fugitives	VOC	0.06	<0.01
UNLBAY	Tank Truck Unloading Area	VOC	0.71	<0.01
TKFUG1	Fugitive Group 1: Incinerator Storage Tank Fugitives	VOC	0.22	0.88
TKFUG2	Fugitive Group 2: Incinerator Storage Tank Fugitives	VOC	0.45	1.92
CASSCRUBDW	Deep Well Storage Tanks T101A, T101B, and T102	VOC	0.14	0.06
CAST201	Deep Well Storage Tank T201	VOC	0.05	0.07

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DWFUG01	Deep Well Fugitives for T-101A, T-101B, and T-102	VOC	0.04	0.16
DWFUG02	Deep Well Fugitives for T-201	VOC	0.01	0.02
RTO101	Thermal Oxidizer for Bulk Materials Handling Building, Truck Wash Building, Transload Building, and Incinerator Tank Farm	VOC (6)	3.77	8.31
		NOx	3.84	16.84
		SO2	<0.01	0.02
		CO	0.66	2.89
		PM (7)	0.46	2.02
		HCl	7.57	3.03
		Cl2	0.92	0.37
		HF	0.14	0.62
ASHDROP	Ash Drop Point	PM	<0.01	<0.01
INCFUG1	Incinerator System Fugitives	VOC	0.10	0.42
INCFUG2	Incinerator System Fugitives	VOC	0.12	0.50
ROFUG	RCRA-Empty Roll-Off Containers	VOC	0.13	0.57
CTA	Cooling Tower	VOC	<0.01	<0.01
		PM	0.07	0.32
CTB	Cooling Tower	VOC	<0.01	<0.01
		PM	0.07	0.32
CTC	Cooling Tower	VOC	<0.01	<0.01
		PM	0.07	0.32
CTD	Cooling Tower	VOC	<0.01	<0.01
		PM	0.07	0.32
INCINSTK	Incinerator Stack	VOC	2.00	8.76
		NOx	70.4	199.73
		SO2	49.9	32.02
		CO	17.10	74.91
		PM	5.00	21.89
		HCl	4.00	1.62
		Cl2	3.65	15.97

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		HF	1.00	4.38
		IOC-U (8)	0.28	1.22
		Dioxins (9)	5.88E-08	2.58E-07
		Furans (9)	5.88E-08	2.58E-07
		Antimony	2.10	9.21
		Arsenic	0.0271	0.0591
		Barium	2.09	9.14
		Beryllium	0.00842	0.004
		Cadmium	0.0421	0.0591
		Chromium	0.043	0.0591
		Chromium VI (10)	0.00981	---
		Lead	1.06	4.66
		Mercury	0.0191	0.0837
		Nickel	0.323	0.0869
		Selenium	0.532	2.33
		Silver	0.0419	0.184
		Thallium	0.423	0.23

(1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
(2) Specific point source names. For fugitive sources, use an area name or fugitive source name.
(3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code ' 101.1
IOC-U- inorganic compounds (unspeciated)
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
PM - particulate matter, suspended in the atmosphere, including particulate matter equal to or less than 10 microns in diameter.
CO - carbon monoxide
HCl - hydrogen chloride
HF - hydrogen fluoride
Cl_2 - chlorine
(4) Represents combined total VOC emissions from bulk solids storage, drum inspection and sampling, and rolloff or vacuum box decanting in STOR3, STOR4A, STOR4B, and STOR8.
(5) Represents combined total VOC emissions from drum inspection and sampling in STOR6 and STOR7.
(6) Represents combined total VOC emission from the thermal oxidizer, bulk material handling building, truck wash building, transload building, and incinerator tank farm.
(7) Represents combined total PM emissions from the thermal oxidizer, bulk material handling building, truck wash building, transload building, and incinerator tank farm.
(8) Compliance with this emission rate shall be demonstrated by using halogen feed rate records, assume 100 percent conversion to HX (where X is the halogen) and then apply the scrubbing efficiency demonstrated for HCl to end up with a mass emission rate for the other inorganics.

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(9) Expressed as TEQ, or toxicity equivalence to 2,3,7,8-tetrachlorodibenzo-p-dioxin.
(10) The annual emission rate for chromium IV is included with the annual emission rate for total chromium.

Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

* Emission rates are based on and the facilities are limited by the following maximum operating schedule: 8,760 hrs/yr

** Compliance with annual emission limits is based on a rolling 12-month period.

Dated January 13, 2011