EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 20011

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. 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 * lb/hr	TPY**
10FLR-005	Adiponitrile Flare (5)	VOC	15.80	8.92
		NO_x	10.62	7.68
		CO	72.36	47.94
		NH_3	1.01	0.57
07TFX-005	No. 1 WAK HUT	VOC	8.94	1.41
07TFX-005A	No. 2 WAK HUT	VOC	21.13	2.50
07TFX-005B	No. 3 WAK HUT	VOC	0.38	0.18
07TFX-005C	No. 4 WAK HUT	VOC	0.38	0.18
07VNT-008	Filter Jet Vent	NO_x	5.80	25.30
		CO	0.18	0.81
07FLT-013	Crude Filter Vent	NO_x	0.30	1.30
		CO	0.03	0.12
07LTR-016	Op. 11-12 Truck Loading	VOC	0.01	0.01
07LTR-015A	CDD and CDDA/K Truck Loading	VOC	1.40	1.05
18LTR-030	“A” Oil Loading	VOC	0.52	0.09
18LTR-073	TRI Oil Truck Loading	VOC	0.01	0.01
07MUDTANK	CAK Decanter Mud Tank	VOC	0.47	2.03
07TFX-023	DCC Decanter	VOC	12.13	2.00

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
07TFX-024	2nd Stage Decanter	VOC	21.08	4.06
07TFX-025	NVR Residue Tank	VOC	3.40	0.13
07TFX-026A	DBW Tank A	VOC	0.01	0.01
		NO_x	0.02	0.01
		HNO_3	0.01	0.01
07TFX-026B	DBW Tank B	VOC	0.01	0.01
		NO_x	0.02	0.01
		HNO_3	0.01	0.01
07FLT-028	DDDA Rework Filter	PM	3.50	0.30
07VNT-029	Op. 15 Backup Vent (6)	NO_x	0.04	0.20
		CO	0.39	1.69
		SO_2	0.01	0.04
07TFX-032A	PDT (CDDT) Receiver A	VOC	1.80	0.40
07TFX-032B	PDT (CDDT) Receiver B	VOC	1.80	0.40
07TFX-032C	PDT (CDDT) Receiver C	VOC	1.80	0.40
07TFX-032D	PDT (CDDT) Receiver D	VOC	1.80	0.40
07TFX-032E	PDT (CDDT) Receiver E	VOC	1.80	0.40
07TFX-032F	PDT Shore Tank	VOC	0.42	0.23
07TFX-033A	CDD Receiver A	VOC	2.09	0.47
07TFX-033B	CDD Receiver B	VOC	2.09	0.47
07TFX-034	CDD Storage Tank	VOC	11.06	0.85

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
07TFX-035	Scaletrol PDC9353 Tank	VOC	0.14	0.01
07TFX-036	OptiSperse CL2000 Tank	VOC	0.05	0.01
07TFX-037A	PAK Receiver A	VOC	4.42	0.23
07TFX-037B	PAK Receiver B	VOC	4.42	0.23
07TFX-037C	PAK Receiver C	VOC	4.42	0.23
07TFX-038A	PAK Storage A	VOC	4.42	0.32
07TFX-038B	PAK Storage B	VOC	4.42	0.26
07TFX-040	Organic HUT	VOC	34.21	7.17
07TFX-040A	EAW Neutralization Tank	VOC	2.95	0.88
07CWA-041	Cooling Water	VOC	0.84	2.39
07VNT-045	H2 Separator Vent	VOC	0.90	3.94
07TFX-051	Op. 11 Organic Hut	VOC	0.06	0.03
07TFX-053	WFE Jet Tank	VOC	0.01	0.01
07TFX-054	Clean Out Drum	VOC	0.01	0.01
07TFX-054A	Inhibitor Tank	VOC	0.01	0.01
07TFX-057	Op. 14 Aqueous Waste Decanter	VOC	8.84	2.33
07TFX-058	Op. 14 Building Decanter	VOC	0.02	0.01
18TFL-027	Class "A" Waste Tank	VOC	0.28	0.65
18TFL-030	Class "A" Oil Tank	VOC	0.03	0.04

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
18TFX-028	B Aqueous Waste Tank	VOC	0.01	0.01
		HNO_3	4.32	1.18
18TFX-061	CSM Tank	VOC	0.01	0.01
		HNO_3	0.72	0.23
07LTR-026C	DBW Truck Loading	VOC	0.01	0.01
		NO_x	0.01	0.01
		HNO_3 0.01	0.01	
18TFX-062	Unloading Tank	VOC	0.01	0.01
		HNO_3	0.01	0.01
18TFX-062A	RF Separator	VOC	0.01	0.01
		HNO_3	0.01	0.01
18SMP-63	Settler Sump	VOC	0.01	0.01
18TFL-065	A/B Swing Tank	VOC	0.08	2.30
		HNO_3	0.09	0.27
18TFX-072	Waste Collection Tank	VOC	0.01	0.01
		PM	0.01	0.01
		HNO_3	0.01	0.01
18TFX-073	Waste Equalization Tank	VOC	0.01	0.01
18SEP-075	A Tank Oil/Water Separator	VOC	0.01	0.01
18SMP-736	Unloading Sump	VOC	0.01	0.02
18SMP-737	Acids Waste Sump	VOC	0.01	0.01
		HNO_3	0.01	0.01
07SMP-011	Op. 11 Sump	VOC	0.01	0.01
07SMP-011A	Op. 11A Sump	VOC	0.01	0.01
07SMP-012	Op. 12 Sump	VOC	0.01	0.01

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
07SMP-013	Op. 13 Sump	VOC	0.01	0.01
07SMP-014	Op. 14 Sump	VOC	0.01	0.01
07SMP-015	Op. 15 and 16 Sumps	VOC	0.01	0.01
		HNO_3	0.04	0.01
07SMP-016	Op. 16 Sump	VOC	0.01	0.01
		HNO_3	0.04	0.01
07FUG	Fugitive Emissions (4)	VOC	7.05	30.75
		CO	0.01	0.01
		NH3	0.01	0.04
		HNO3		0.08
	0.32			
		H3BO3	0.01	0.01
		TiCl4	0.01	0.01
07FUG-1	DBW Solids Transloading	NOx	0.01	0.01
		PM	0.63	0.01
07TFX-636A	Urea Mix Tank	VOC	0.02	0.01
07TFX-636	Urea Solution Tank	VOC	0.03	0.01
07LTR-025A	NVR Truck Loading	VOC	0.16	0.02
07LTR-026C	DBW Truck Loading and M1 Transloading	VOC	0.01	0.01
		NOx	0.02	0.01
		HNO3		0.01
			0.01	
		PM	0.66	0.02
07LTR-028A	DDDA Transloading	PM	0.11	0.01
07LTR-040B	EAW Neut Tank Oil Layer Loading	VOC	1.69	0.03

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES
AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
07RSY-026F	DBW H2 Reactor	NH_3	0.01	0.01
		CO	0.01	0.01
07DIS-026G	DBW Flash Dryer	NH_3	0.01	0.01
		CO	0.01	0.01
07DIS-512	No. 1 Flash Dryer Vent	VOC	0.02	0.07

(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 carbons as defined in Title 30 Texas Administrative Code ' 101.1
NO_x - total oxides of nitrogen
CO - carbon monoxide
PM - particulate matter
NH_3 - ammonia
HNO_3 - nitric acid
H_3BO_3 - boric acid
(4) Emission rate is an estimate and compliance is demonstrated by meeting the requirements of the applicable special conditions and permit application representations.
(5) Routine emissions attributable to this facility.
(6) Pilot emissions only.

* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

Hrs/year 8,760

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

Dated: DRAFT