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

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 3275A

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
RD-250	Plant Flare	VOC	71.12	14.67
		NO_x	2.61	8.54
		SO_2	5.02	0.21
		CO	5.22	22.87
FA-013	Scrubber, A-Plant (5)	VOC	44.25**	3.27**
	Total WWS Carbon Adsorber Emissions	VOC	0.66	1.16
WWC-1	WWS Carbon Adsorber (6)	VOC		
WWC-4	WWS Carbon Adsorber (6)	VOC		
WWC-5	WWS Carbon Adsorber (6)	VOC		
WWC-6	WWS Carbon Adsorber (6)	VOC		
WWC-8	WWS Carbon Adsorber (6)	VOC		
WWC-9	WWS Carbon Adsorber (6)	VOC		

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
WWC-10	WWS Carbon Adsorber (6)	VOC		
	Total Storage Tank Emissions (5)	VOC	43.36	4.62
		Acid/Alkali	0.53	0.02
TC-988	Storage Tank (7)	VOC		
TC-989	Storage Tank (7)	VOC		
TE-906	Storage Tank (7)	VOC		
TE-907	Storage Tank (7)	VOC		
TE-908	Storage Tank (7)	VOC		
TE-909	Storage Tank (7)	VOC		
TE-910	Storage Tank (7)	VOC		
TE-911	Storage Tank (7)	VOC		
TE-912	Storage Tank (7)	VOC		
TE-913	Storage Tank (7)	VOC		
TE-914	Storage Tank (7)	VOC		
TE-918	Storage Tank (7)	VOC		
TE-919	Storage Tank (7)	VOC		
TE-920	Storage Tank (7)	VOC		
TE-921	Storage Tank (7)	VOC		
TE-922	Storage Tank (7)	VOC		

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
TE-923	Storage Tank (7)	VOC		
TE-924	Storage Tank (7)	VOC		
TE-925	Storage Tank (7)	VOC		
TE-926	Storage Tank (7)	VOC		
TE-927	Storage Tank (7)	VOC		
TE-928	Storage Tank (7)	VOC		
TE-929	Storage Tank (7)	VOC		
TE-930	Storage Tank (7)	VOC		
TE-931	Storage Tank (7)	VOC		
TE-932	Storage Tank (7)	VOC		
TE-933	Storage Tank (7)	VOC		
TE-934	Storage Tank (7)	VOC		
TE-935	Storage Tank (7)	VOC		
TE-936	Storage Tank (7)	VOC		
TE-937	Storage Tank (7)	VOC		
TE-938	Storage Tank (7)	VOC		
TE-939	Storage Tank (7)	VOC		
TE-940	Storage Tank (7)	VOC		

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
TE-941	Storage Tank (7)	VOC		
FE-942	Storage Tank (7)	VOC		
FE-943	Storage Tank (7)	VOC		
FE-944	Storage Tank (7)	VOC		
TE-945	Storage Tank (7)	VOC		
TE-946	Storage Tank (7)	VOC		
TE-947	Storage Tank (7)	VOC		
TE-948	Storage Tank (7)	VOC		
TE-949	Storage Tank (7)	VOC		
TD-950	Storage Tank (7)	VOC		
TD-951	Storage Tank (7)	VOC		
TE-960	Storage Tank (7)	VOC		
TE-961	Storage Tank (7)	VOC		
TE-962	Storage Tank (7)	VOC		
TE-963	Storage Tank (7)	VOC		
TE-964	Storage Tank (7)	VOC		
TE-965	Storage Tank (7)	VOC		
TE-966	Storage Tank (7)	VOC		

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
TE-967	Storage Tank (7)	VOC		
TE-968	Storage Tank (7)	VOC		
TE-970	Storage Tank (7)	VOC		
TE-971	Storage Tank (7)	VOC		
TE-972	Storage Tank (7)	VOC		
TE-973	Storage Tank (7)	VOC		
TE-974	Storage Tank (7)	VOC		
TE-975	Storage Tank (7)	VOC		
TE-980	Storage Tank (7)	VOC		
TE-981	Storage Tank (7)	VOC		
TE-982	Storage Tank (7)	VOC		
TE-983	Storage Tank (7)	VOC		
TE-984	Storage Tank (7)	VOC		
TE-985	Storage Tank (7)	VOC		
TE-986	Storage Tank (7)	VOC		
TE-987	Storage Tank (7)	VOC		
TD-990	Storage Tank (7)	VOC		
TD-991	Storage Tank (7)	VOC		
TD-992	Storage Tank (7)	VOC		

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Emission Point No. (1)	Source Name (2)	AIR CONTAMINANTS DATA Air Contaminant Name (3)	Emission Rates * lb/hr	 TPY
TD-993	Storage Tank (7)	VOC		
TB-994	Storage Tank (7)	VOC		
TB-995	Storage Tank (7)	VOC		
TB-996	Storage Tank (7)	VOC		
TB-997	Storage Tank (7)	VOC		
TB-998	Storage Tank (7)	VOC		
TC-999	Storage Tank (7)	VOC		
TD-004	Diesel Storage Tank	VOC	0.06	<0.01
GTK-1	Gasoline Storage Tank	VOC	7.01	0.11
DTK-1	Diesel Storage Tank	VOC	0.03	<0.01
	Total Loading Emissions (5) (8)	VOC	18.37	5.33
LD-A	Plant-A Drum/Tote Loading (8)	VOC		
LD-B	Plant B Drum/Tote Loading (8)	VOC		
LD-C	Plant C Drum/Tote Loading (8)	VOC		
RAIL	Rail Loading (8)	VOC		
STRUCK	South Truck Loading (8)	VOC		
WTRUCK	West Truck Loading (8)	VOC		

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
APLNTFUG	A-Plant Fugitives (4)	VOC	0.21	0.93
		EO/PO/BO	0.014	0.06
		PM <0.01	0.01	
BPLNTFUG	B-Plant Fugitives (4)	VOC	0.17	0.75
		EO/PO/BO	0.01	0.05
		PM <0.01	0.01	
CPLNTFUG	C-Plant Fugitives (4)	VOC	0.02	0.10
TKFRMFUG	Tank Farm Fugitives (4)	VOC	0.50	2.19
OXTNKFUG	Oxide Tank Fugitives (4)	EO/PO/BO	0.05	0.25
WWTPFUG	WW Treatment Plant Fugitives (4)	VOC	0.01	0.06
HTR-A	A-Hot Oil Heater	VOC	0.03	0.12
		NO_x	0.50	2.19
		SO_2	<0.01	0.01
		PM	0.04	0.17
		CO	0.42	1.84
HTR-B	B-Hot Oil Heater	VOC	0.01	0.05
		NO_x	0.20	0.88
		SO_2	<0.01	<0.01
		PM	0.02	0.07
		CO	0.17	0.74
BLR-A	A-Plant Boiler	VOC	0.05	0.20
		NO_x	0.84	3.67
		SO_2	<0.01	0.02
		PM	0.06	0.28
		CO	0.70	3.08

BLR-B	B-Plant Boiler	VOC	0.08	0.35
		NO_x	1.47	6.42
		SO_2	<0.01	0.04
		PM	0.11	0.49
		CO	1.23	5.39
CT-1, 2, and 3	Cooling Towers 1, 2, and 3	VOC	0.02	0.10
	Sitewide VOCs	Total VOCs		24.90
	Sitewide HAPs	Total HAPs		24.90
		Individual HAPS		9.90

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

(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
SO_2 - sulfur dioxide
PM - particulate matter, suspended in the atmosphere, including PM_{10}
PM_{10} - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.
CO - carbon monoxide
EO - ethylene oxide
PO - propylene oxide
BO - butylene oxide
HAPS - hazardous air pollutants

(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
(5) Depending upon the Impacts Index which is defined in Special Condition No. 5, compounds will be vented either to the atmosphere at the individual tanks or loading spots or to the Scrubber (EPN APLNTSCB).
(6) WWS Carbon Absorbers WWC-1 through WWC-10 emissions are accounted for under the total WWS carbon adsorber emissions.
(7) Storage Tanks ST-900A through ST-2000 emissions are accounted for under the total storage tank emissions.
(8) Loading Spots LD-A, LD-B, LD-C, RAIL, STRUCK, and WTRUCK emissions are accounted for under the total loading emissions.

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

_____ Hrs/day ____ Days/week ____ Weeks/year or 8,760 Hrs/year

** These scrubber emissions do not include potential emissions from tanks and loading that are vented through the scrubber. Controlled storage tank and loading emissions are accounted for under the annual total storage tank emissions and the annual total loading emissions.

Dated September 10, 2002