EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 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
FLR1	Plant Flare	VOC	54.73	18.54
		NO_x	1.69	7.39
		SO_2	0.02	0.08
		CO	5.22	22.87
APLNTSCB	Scrubber, A-Plant (5)	VOC	7.12	**
	Total WWS Carbon Adsorber Emissions		VOC	6.20
	10.90			
WWC-1	WWS Carbon Adsorber (6)	VOC		
WWC-2	WWS Carbon Adsorber (6)	VOC		
WWC-3	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-7	WWS Carbon Adsorber (6)	VOC		
WWC-8	WWS Carbon Adsorber (6)	VOC		
WWC-9	WWS Carbon Adsorber (6)	VOC		

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Emission Point No. (1)	Source Name (2)	AIR CONTAMINANTS DATA Air Contaminant Name (3)	Emission Rates lb/hr	 TPY
WWC-10	WWS Carbon Adsorber (6)	VOC		
	Total Storage Tank Emissions (5)	VOC	41.65	4.62
		Acid/Alkali	0.53	<0.01
ST-900A	Storage Tank (7)	VOC		
ST-900B	Storage Tank (7)	VOC		
ST-906	Storage Tank (7)	VOC		
ST-907	Storage Tank (7)	VOC		
ST-908	Storage Tank (7)	VOC		
ST-909	Storage Tank (7)	VOC		
ST-910	Storage Tank (7)	VOC		
ST-911	Storage Tank (7)	VOC		
ST-912	Storage Tank (7)	VOC		
ST-913	Storage Tank (7)	VOC		
ST-914	Storage Tank (7)	VOC		
ST-918	Storage Tank (7)	VOC		
ST-919	Storage Tank (7)	VOC		
ST-920	Storage Tank (7)	VOC		

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Emission Point No. (1)	Source Name (2)	AIR CONTAMINANTS DATA Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
ST-921	Storage Tank (7)	VOC		
ST-922	Storage Tank (7)	VOC		
ST-923	Storage Tank (7)	VOC		
ST-924	Storage Tank (7)	VOC		
ST-925	Storage Tank (7)	VOC		
ST-926	Storage Tank (7)	VOC		
ST-927	Storage Tank (7)	VOC		
ST-928	Storage Tank (7)	VOC		
ST-929	Storage Tank (7)	VOC		
ST-930	Storage Tank (7)	VOC		
ST-931	Storage Tank (7)	VOC		
ST-932	Storage Tank (7)	VOC		
ST-933	Storage Tank (7)	VOC		
ST-934	Storage Tank (7)	VOC		
ST-935	Storage Tank (7)	VOC		
ST-936	Storage Tank (7)	VOC		
ST-937	Storage Tank (7)	VOC		

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Emission Point No. (1)	Source Name (2)	AIR CONTAMINANTS DATA Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
ST-938	Storage Tank (7)	VOC		
ST-939	Storage Tank (7)	VOC		
ST-940	Storage Tank (7)	VOC		
ST-941	Storage Tank (7)	VOC		
ST-942	Storage Tank (7)	VOC		
ST-943	Storage Tank (7)	VOC		
ST-944	Storage Tank (7)	VOC		
ST-945	Storage Tank (7)	VOC		
ST-946	Storage Tank (7)	VOC		
ST-947	Storage Tank (7)	VOC		
ST-948	Storage Tank (7)	VOC		
ST-949	Storage Tank (7)	VOC		
ST-950	Storage Tank (7)	VOC		
ST-951	Storage Tank (7)	VOC		
ST-960	Storage Tank (7)	VOC		
ST-961	Storage Tank (7)	VOC		
ST-962	Storage Tank (7)	VOC		

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Emission Point No. (1)	Source Name (2)	AIR CONTAMINANTS DATA Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
ST-963	Storage Tank (7)	VOC		
ST-964	Storage Tank (7)	VOC		
ST-965	Storage Tank (7)	VOC		
ST-966	Storage Tank (7)	VOC		
ST-967	Storage Tank (7)	VOC		
ST-968	Storage Tank (7)	VOC		
ST-970	Storage Tank (7)	VOC		
ST-971	Storage Tank (7)	VOC		
ST-972	Storage Tank (7)	VOC		
ST-973	Storage Tank (7)	VOC		
ST-974	Storage Tank (7)	VOC		
ST-975	Storage Tank (7)	VOC		
ST-980	Storage Tank (7)	VOC		
ST-981	Storage Tank (7)	VOC		
ST-982	Storage Tank (7)	VOC		
ST-983	Storage Tank (7)	VOC		
ST-984	Storage Tank (7)	VOC		

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Emission Point No. (1)	Source Name (2)	AIR CONTAMINANTS DATA Air Contaminant Name (3)	Emission Rates * lb/hr	 TPY
ST-985	Storage Tank (7)	VOC		
ST-986	Storage Tank (7)	VOC		
ST-987	Storage Tank (7)	VOC		
ST-990	Storage Tank (7)	VOC		
ST-991	Storage Tank (7)	VOC		
ST-992	Storage Tank (7)	VOC		
ST-993	Storage Tank (7)	VOC		
ST-994	Storage Tank (7)	VOC		
ST-995	Storage Tank (7)	VOC		
ST-1102	Storage Tank (7)	VOC		
ST-1103	Storage Tank (7)	VOC		
ST-1105	Storage Tank (7)	VOC		
ST-2000	Storage Tank (7)	VOC		
TK-4	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)	VOC		18.37 5.33

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
LD-A	Plant-A Drum/Tote Loading (8)	VOC		
LD-B	Plant B Drum/Tote Loading (8)	VOC		

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr	TPY
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		
APLNTFUG	A-Plant Fugitives (4)	VOC	0.20	0.89
		EO/PO/BO	<0.01	0.04
BPLNTFUG	B-Plant Fugitives (4)	VOC	0.20	0.87
		EO/PO/BO	<0.01	0.02
CPLNTFUG	C-Plant Fugitives (4)	VOC	0.02	0.10
TKFRMFUG	Tank Farm Fugitives (4)	VOC		0.34
	1.51			
OXTNKFUG	Oxide Tank Fugitives (4)	EO/PO/BO		0.04
	0.18			
WWTPFUG	WW Treatment Plant Fugitives	VOC	0.01	0.06
009	A-Hot Oil Heater	VOC	<0.01	0.03
		NO_x	0.12	0.53
		SO_2	<0.01	<0.01
		PM	0.01	0.06
		CO	0.03	0.11
010	B-Hot Oil Heater	VOC	0.01	0.05
		NO_x	0.20	0.88

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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
		SO_2	<0.01	<0.01
		PM	0.02	0.11
		CO	0.04	0.18

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr	TPY
		AIR CONTAMINANTS DATA		
011	A-Plant Boiler	VOC	0.04	0.19
		NO_x	0.84	3.67
		SO_2	<0.01	0.02
		PM	0.10	0.44
		CO	0.18	0.77
012	B-Plant Boiler	VOC	0.04	0.18
		NO_x	2.05	8.98
		SO_2	<0.01	0.04
		PM	0.20	0.88
		CO	0.51	2.25
CT-4	Cooling Tower 4	VOC	0.21	0.92
CT-1,2,3	Cooling Towers 1, 2, and 3	VOC	0.02	0.10

(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 General Rule 101.1
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
PM - particulate matter
CO - carbon monoxide
EO - ethylene oxide
PO - propylene oxide
BO - butylene oxide

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

(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 thru WWC-10 emissions are accounted for under the Total WWS Carbon Adsorber Emissions.
(7) Storage Tanks ST-900A thru 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

** The annual scrubber emissions are accounted for under the annual Total Storage Tank Emissions and the annual Total Loading Emissions.

Dated_____