EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Nos. 41802, PSD-TX-947, and N019

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
STACK1	Gas Turbine ABB GT 24	NO_x	24.9	100.3
		CO	65.0	180.9
		VOC	2.9	10.8
		SO_2	5.7	20.2
		PM_{10}	40.7	158.3
		NH_3	26.4	106.5
STACK2	Gas Turbine ABB GT 24	NO_x	24.9	100.3
		CO	65.0	180.9
		VOC	2.9	10.8
		SO_2	5.7	20.2
		PM_{10}	40.7	158.3
		NH_3	26.4	106.5
STACK3	Gas Turbine ABB GT 24	NO_x	24.9	100.3
		CO	65.0	180.9
		VOC	2.9	10.8
		SO_2	5.7	20.2
		PM_{10}	40.7	158.3
		NH_3	26.4	106.5
STACK4	Gas Turbine ABB GT 24	NO_x	24.9	100.3
		CO	65.0	180.9
		VOC	2.9	10.8
		SO_2	5.7	20.2
		PM_{10}	40.7	158.3
		NH_3	26.4	106.5

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
STACK5	Gas Turbine ABB GT 24	NO_x	24.9	100.3
		CO	65.0	180.9
		VOC	2.9	10.8
		SO_2	5.7	20.2
		PM_{10}	40.7	158.3
		NH_3	26.4	106.5
STACK6	Gas Turbine ABB GT 24	NO_x	24.9	100.3
		CO	65.0	180.9
		VOC	2.9	10.8
		SO_2	5.7	20.2
		PM_{10}	40.7	158.3
		NH_3	26.4	106.5
STACK7	Gas Turbine ABB GT 24	NO_x	24.5	42.4
		CO	65.0	89.3
		VOC	2.9	4.6
		SO_2	4.6	8.2
		PM_{10}	38.0	66.1
		NH_3	26.0	45.0
STACK8	Gas Turbine ABB GT 24	NO_x	24.5	42.4
		CO	65.0	89.3
		VOC	2.9	4.6
		SO_2	4.6	8.2
		PM_{10}	38.0	66.1
		NH_3	26.0	45.0
EMGEN1	Emergency Generator Engine 400 horsepower	NO_x	12.4	3.1
		CO	2.7	0.7
		VOC	1.0	0.3
		SO_2	0.8	0.2
		PM_{10}	0.9	0.2
EMGEN2	Emergency Generator Engine	NO_x	12.4	3.1

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
	400 horsepower	CO	2.7	0.7
		VOC	1.0	0.3
		SO_2	0.8	0.2
		PM_{10}	0.9	0.2
EMGEN3	Emergency Generator Engine	NO_x	12.4	3.1
	400 horsepower	CO	2.7	0.7
		VOC	1.0	0.3
		SO_2	0.8	0.2
		PM_{10}	0.9	0.2
EMGEN4	Emergency Generator Engine	NO_x	12.4	3.1
	400 horsepower	CO	2.7	0.7
		VOC	1.0	0.3
		SO_2	0.8	0.2
		PM_{10}	0.9	0.2
EMGEN5	Emergency Generator Engine	NO_x	12.4	3.1
	400 horsepower	CO	2.7	0.7
		VOC	1.0	0.3
		SO_2	0.8	0.2
		PM_{10}	0.9	0.2
EMGEN6	Emergency Generator Engine	NO_x	12.4	3.1
	400 horsepower	CO	2.7	0.7
		VOC	1.0	0.3
		SO_2	0.8	0.2
		PM_{10}	0.9	0.2
EMGEN7	Emergency Generator Engine	NO_x	12.4	3.1
	400 horsepower	CO	2.7	0.7
		VOC	1.0	0.3
		SO_2	0.8	0.2
		PM_{10}	0.9	0.2
EMGEN8	Emergency Generator Engine	NO_x	12.4	3.1

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
	400 horsepower	CO	2.7	0.7
		VOC	1.0	0.3
		SO_2	0.8	0.2
		PM_{10}	0.9	0.2
EMTANK1	Diesel Tank for Emergency Generator, 500 gallon	VOC	<0.01	<0.01
EMTANK2	Diesel Tank for Emergency Generator, 500 gallon	VOC	<0.01	<0.01
EMTANK3	Diesel Tank for Emergency Generator, 500 gallon	VOC	<0.01	<0.01
EMTANK4	Diesel Tank for Emergency Generator, 500 gallon	VOC	<0.01	<0.01
EMTANK5	Diesel Tank for Emergency Generator, 500 gallon	VOC	<0.01	<0.01
EMTANK6	Diesel Tank for Emergency Generator, 500 gallon	VOC	<0.01	<0.01
EMTANK7	Diesel Tank for Emergency Generator, 500 gallon	VOC	<0.01	<0.01
EMTANK8	Diesel Tank for Emergency Generator, 500 gallon	VOC	<0.01	<0.01
COOL1	Cooling Tower, Unit 1 Total from four cells	PM	1.3	3.0
COOL2	Cooling Tower, Unit 2 Total from four cells	PM	1.3	3.0
COOL3	Cooling Tower, Unit 3	PM	1.3	3.0

	Total from four cells			
COOL4	Cooling Tower, Unit 4 Total from four cells	PM	1.3	3.0
COOL5	Cooling Tower, Unit 5 Total from four cells	PM	1.3	3.0
COOL6	Cooling Tower, Unit 6 Total from four cells	PM	1.3	3.0
COOL7	Cooling Tower, Unit 7 Total from four cells	PM	1.3	3.0
COOL8	Cooling Tower, Unit 8 Total from four cells	PM	1.3	3.0
FIREPUMP	Fire Water Pump Engine 335 horsepower	NO_x CO VOC SO_2 PM_{10}	10.4 2.2 0.8 0.7 0.7	2.6 0.6 0.2 0.2 0.2
PARTWASH	Parts Washer Station	VOC	0.3	0.3
LUBEOIL	Lube Oil Storage Tank 500 gallons	VOC		<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.

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

(3) VOC - volatile organic compounds as defined in 30 Texas Administrative Code Section 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
NH_3 - ammonia

* Emission rates for EPNs STACK1 through STACK6, COOL1 through COOL8, EMTANK1 through EMTANK8, and PARTWASH are based on and the facilities are limited by the following maximum operating schedule.

24 Hrs/day 7 Days/week 52 Weeks/year or 8,760 Hrs/year

* Emission rates for EPNs STACK7 and STACK8 are based on and the facilities are limited by the following maximum operating schedule.

3,800 Hrs/year

* Emission rates for EPNs EMGEN1 through EMGEN8 and FIREPUMP are based on and the facilities are limited by the following maximum operating schedule.

_____ Hrs/day ___ Days/week __ Weeks/year or 500 Hrs/year

All sources at the Harris Energy plant, represented in the July 1999 permit application, are regulated under PSD and State regulations for NO_x, CO, SO_2, PM, and PM_{10}, and non-attainment regulations for NO_x and VOC.

Dated _____