#### AIR CONTAMINANTS DATA

Emission	Source	Air Contamina	nt <u>Emis</u>	sion Rates
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY*
	EMISSION SOURCES -	MAXIMUM ALLOWABLE EMIS	SSION RATES	

#### Permit Number 55464

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.

Emission	Source	Air Contaminant	<u>Emiss</u>	sion Rates
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY*
Emission rate per ho	eater			
	C, B-21D, G,	$NO_x$ $CO$ $VOC$ $PM_{10}$ $SO_2$ $H_2SO_4$	1.71 2.79 0.31 1.09 0.78 0.06	- - - - -
Emission rate cap				
	C, B-21D, G,	$\begin{array}{c} NO_{x} \\ CO \\ VOC \\ PM_{10} \\ SO_{2} \\ H_{2} SO_{4} \end{array}$	- - - -	65.31 106.88 11.88 17.81 20.94 1.61
EG-1 (5)	Emergency Generator Process Area (350kW)	NO <sub>x</sub> CO VOC	7.24 0.90 0.10	0.36 0.04 0.005

Emission	Source	Air Contaminant	<u>Emissi</u>	on Rates
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY*
		$PM_{10}$	80.0	0.004
		SO <sub>2</sub>	0.31	0.02
		H <sub>2</sub> SO <sub>4</sub>	0.02	0.001
EG-1TK	Diesel Tank for Emergency 0.0003 Generator (EG-1) (400 gal)	VOC	0.40	
	Emergency Concretor	NOx	3.12	0.16
EG-ADMIN (5)	Emergency Generator Admin. Building (250kW)	CO	0.19	0.10
	namm Zanamy (Zeekit)	VOC	0.04	0.002
		$PM_{10}$	0.03	0.001
		$SO_2$	0.82	0.04
		H <sub>2</sub> SO <sub>4</sub>	0.06	0.003
EG-ADMINTK	Diesel Tank for Emergency	VOC 0.0003	0.48	
	Generator (EG-ADMIN) (30	00 gal)		
EG-DOCK (5)	Emergency Generator Dock Area (175kW)	$NO_x$ $CO$ $VOC$ $PM_{10}$ $SO_2$ $H_2SO_4$	2.72 0.28 0.04 0.03 0.75 0.06	0.14 0.01 0.002 0.002 0.04 0.003
EG-DOCKTK	Diesel Tank for Emergency	VOC 0.0003	0.52	
	Generator (EG-DOCK) (20			
FWP (5)	Fire Water Pump	NO <sub>x</sub>	12.19	0.61
(-)	(660 hp)	CO	0.55	0.03
	• • • • • • • • • • • • • • • • • • • •	VOC	0.07	0.004

Emission	Source	Air Contaminant	Emissio	n Rates
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY*
		$PM_{10}$ $SO_2$ $H_2SO_4$	1.24 0.27 0.02	0.06 0.01 0.001
FWPTK	Diesel Tank for Firewater Pump (FWP) (830 gal)	VOC 0.0006	0.46	
FLR (4)	Flare - Normal Operation (Pilots + Purge Gas)	$NO_x$ $CO$ $VOC$ $PM_{10}$ $SO_2$ $H_2SO_4$	0.80 4.00 0.0 0.0 0.007 0.0005	3.50 17.52 0.0 0.0 0.031 0.002
FUG	Fugitives	VOC	0.16	0.71
EG-21 (5)	Emergency Generator (400 hp)	$\begin{array}{c} NO_{x} \\ CO \\ VOC \\ PM_{10} \\ SO_{2} \\ H_{2}SO_{4} \end{array}$	4.96 0.21 0.06 0.05 0.82 0.06	0.25 0.01 <0.01 <0.01 0.04 <0.01
EG-21TK	Diesel Tank for Emergency  Generator (EG-21) (300 ga	VOC 0.0003 ll)	0.43	
Z-210 (5)	Emergency Air Compressor (400-hp)	$NO_x$ $CO$ $VOC$ $PM_{10}$ $SO_2$ $H_2SO_4$	3.12 0.78 0.11 0.13 0.54 0.04	0.16 0.04 0.01 0.01 0.03 <0.01
Z-210TK	Diesel Tank for Emergency	VOC 0.0001	0.15	

Emission	Source	Air Contaminant	<u>Emission</u>	<u>Rates</u>
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY*
	Air Compressor (Z-210) (30	00 gal)		
Z-10 (5)	Emergency Air Compressor (200-hp)	$NO_x$ $CO$ $VOC$ $PM_{10}$ $SO_2$ $H_2SO_4$	1.32 1.15 0.50 0.07 0.41 0.03	0.07 0.06 0.025 0.003 0.02 0.002
Z-10TK	Diesel Tank for Emergency  Generator (Z-10) (100 gal)	VOC 0.0002	0.52	
FUG-PHII	Phase II Fugitives	VOC	0.27	1.18

- (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) NO<sub>x</sub> total oxides of nitrogen
  - CO carbon monoxide
  - VOC volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
  - $PM_{10}$  particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no PM greater than 10 microns is emitted.
  - SO<sub>2</sub> sulfur dioxide
  - H<sub>2</sub>SO<sub>4</sub> sulfuric acid
- (4) Flare emissions are based on the pilot gas combustion emissions for 8,760 hours per year (hrs/yr).
- (5) Emission rates are based on and the facilities are limited to 100 hrs/yr for Emission Point Nos. EG-1, EG-1TK, EG-ADMIN, EG-ADMINTK, EG-DOCK, EG-DOCKTK, FWP, FWPTK, EG-21, EG-21TK, Z-210, Z-210TK, Z-10, and Z-10TK.
- \* Compliance with annual emission limits is based on a rolling 12-month period.

Dated November 2, 2007