EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Nos. 7223A and PSD-TX-193M3

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

Existing Emission Points in effect until start-up of new unit:

1,6-HEXANEDIOL UNIT

3-6-01	T-935 Scrubber	Acid Water	<0.01	<0.01
		VOC	<0.01	<0.01
3-6-02	Tank D-980	VOC	0.68	0.03
3-6-03	Tank D-947	VOC	0.10	0.15
3-6-04	Tank D-977	VOC	<0.01	<0.01
3-6-05	Tank D-978	VOC	0.07	0.03
3-6-06	Fugitives (4)	Acid Water	0.11	0.48
		VOC	0.61	2.68
3-6-07	Tank D-969	VOC	0.22	0.08
3-6-08	Diols Loading	VOC	0.93	0.02
3-6-09	1,6-Hexanediol Loading	VOC	0.17	0.02
3-6-10	Heavies Loading	VOC	2.29	0.07
3-6-11	Vacuum Pump 940	VOC	0.47	2.26

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
3-6-12	Vacuum Pump 960	VOC	0.11	0.58
3-6-13	Vacuum Pump 965	VOC	0.06	0.30
3-6-14	Vacuum Pump 970	VOC	0.26	1.35
3-6-15	Tank D-926 Sump	VOC	0.87	<0.01
3-6-17	Tank D-974A	VOC	<0.01	0.01
3-6-18	Tank D-979	VOC	0.68	0.19
3-6-20	Tank D-966	VOC	0.10	0.02

NEOPENTYL GLYCOL UNIT

5-5-02	Tank D-852	VOC	1.41	1.36
5-5-04	T-871 Scrubber	Formaldehyde	0.22	0.03
		VOC	2.25	0.41
		PM	0.32	1.40
5-5-06	Neopentyl Glycol Emergency Flare	For emergency use only		
5-5-08	Neopentyl Glycol Boiler 131.40	NO_x		30.00
		CO	10.60	51.73
		VOC	0.44	2.00
		PM	2.89	12.66
5-5-10	Fugitives (4)	Trimethlyamine	0.03	0.13
		Formaldehyde	0.04	0.16
		VOC	0.54	2.36

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
5-5-11	Slurry Loading Scrubber	VOC	0.49	0.15

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 Points in effect upon start-up of new and modified neopentyl glycol and 1,6-hexanediol unit authorized in the June 1999 permit amendment:

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	lb/hr	TPY
5-9-15	Cooling Tower	VOC	<0.1	<0.1
5-9-21	D902	VOC	0.98	0.58
5-9-22	D950	VOC	0.06	0.24
5-9-23	D-1010	NaOH	0.20	0.01
5-9-30	HDO Fugitives	VOC	0.62	2.68
5-9-40	D-2250	VOC	0.02	0.08
5-9-41	D-2260	VOC	0.91	0.39
5-9-42	D-2350	VOC	0.01	0.01
5-9-43	D-2360	VOC	0.01	0.01
5-9-44	D-2650	VOC	0.02	0.01
5-9-45	D-2660	VOC	0.07	0.02
5-9-10	HDO Loading	VOC	2.65	0.57
5-8-10	Neol Loading	VOC	1.88	1.50
5-8-04	Flaker Scrubber	VOC	3.02	1.21
5-8-30	Neol Fugitives	VOC	0.46	1.78
5-8-40	D-8570	VOC	1.55	0.81

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 30 Texas
    Administrative Code Section 101.1
   NO_x -   total oxides of nitrogen
   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
   NaOH   -   sodium hydroxide
(4)   Fugitive emissions are an estimate only and should not be
    considered as a maximum allowable emission rate.

 * 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

Dated_____