Permit No. 7694 METHANOL PLANT

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 Ra lbs/hr TPY			
59A	E38 Ve	ent	V	oc	1.58	0.65
59B	E39 Ve	ent	V	OC	21.16	0.64
59C	E40 Ve	ent	V	OC	17.67	1.26
59D	E41 Ve	ent	V	oc	17.67	0.68
59E	E42 Ve	ent	V	OC	17.67	1.26
59F	E43 Ve	ent	V	oc	17.67	2.05
64	Loadin	g Rack	V	oc		6.8
36, 37,	38 Desulfu	ırizers	V	oc		<0.01
53	•	essor Seal Leakag tion Pot	e Co	0	36	151.2
32, 33	Reform	er F-101 Heater	SC	D2	2.5	1.5

(3) VOC - volatile organic compounds as defined in General Rule 101.1

CO - carbon monoxide

SO2 - sulfur dioxide

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

Hrs/day	Days/week	Weeks/year	or Hrs/year <u>8,760</u>	
				Revised

Permit No. 7694 MTBE PLANT

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 Source Point No. (1) Name	Air Contaminant e (2) Name (3)	<u>En</u> lb/hr	nission Rates * TPY		
201	Regenerator Exhaust		NOx CO SO2 VOC PM10	16.59 6.06 19.85 6.27 0.32	72.64 26.53 16.25 27.48 1.41
202	Steam Boiler		NOx CO SO2 VOC PM10	13.20 4.95 6.60 0.55 0.99	57.82 21.68 7.56 2.43 4.33
203	Steam Boiler		NOx CO SO2 VOC PM10	13.20 4.95 6.60 0.55 0.99	57.82 21.68 7.56 2.43 4.33
204	Steam Boiler		NOx CO SO2 VOC PM10	13.20 4.95 6.60 0.55 0.99	57.82 21.68 7.56 2.43 4.33
205	Waste Gas Flare		NOx CO VOC	0.64 4.59 8.59	1.05 7.56 1.32
206	Emergency Generator		NOx CO SO2	4.14 0.89 0.28	0.43 0.09 0.03

VOC	0.39	0.04
PM10	0.30	0.03

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Air Con Name (2) Name (3)	taminant <u>Emission Rates *</u> <u>lb/hr TPY</u>	r -	
207	Fire Water Engine	NOx CO SO2 VOC PM10	2.10 0.43 0.13 0.19 0.14	0.05 0.01 0.003 0.005 0.004
208	Fire Water Engine	NOX CO SO2 VOC PM10	2.10 0.43 0.13 0.19 0.14	0.05 0.01 0.003 0.005 0.004
210	MTBE Storage Tank	MTBE	2.43	3.76
211	MTBE Storage Tank	MTBE	2.43	3.76
212	MTBE Storage Tank	MTBE	2.43	3.76
213	Diesel Storage Tank	Diesel	2.89	0.02
214	Disulfide Oil Tank	VOC	0.13	0.02
215	Slop Oil Tank	VOC	1.37	0.11
220	Cooling Tower (4)	VOC	2.52	11.04
221	CPI Separator	VOC	4.20	0.54
222	Wastewater Treatment	VOC	0.15	0.13

223	Chlorine Fugitives (4)	Chlorine	0.01	0.04
224	Merox Unit Fugitives (4)	VOC	0.38	1.66
225	Dehydrogenation Fugitives (4)	VOC	2.92	12.79
226	MTBE Facilities Fugitives (4)	VOC	1.41	6.18

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Air Contaminant Name (2) Name (3)	lb/hr	Emission Rates * TPY		
227	PSA Facilities Fugitives (4)		VOC	0.14	0.61
228	Tank Area Fugitives (4)		VOC	0.48	2.10
229	Wastewater Treatment Area Fugitives (4)		VOC	0.05	0.22

- (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) PM10 particulate matter less than 10 microns
 - VOC volatile organic compounds as defined in General Rule 101.1
 - NOx total oxides of nitrogen
 - SO2 sulfur dioxide
 - CO carbon monoxide
 - MTBE methyl-tert-butyl-ether
- (4) Fugitive and cooling tower emissions are an estimate only and should not be considered as a maximum allowable emission rate.

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*	Emission rate schedule:		n and the facilit	ies are limited	by the following	maximum	operating
	Hrs/day	_Days/week	Weeks/year	_or Hrs/year_{	<u>3,760</u>		