



**EMISSIONS INVENTORY INFORMATION**  
**Inventory Year - 2011**  
**PETROLEUM REFINING PROCESS**

**Company Name** \_\_\_\_\_ **Contact Initials** \_\_\_\_\_

**Total Refinery Feed** (bbl/yr x 10<sup>3</sup>): \_\_\_\_\_

**Sulfur in Feed** (%)<sup>(1)</sup>: \_\_\_\_\_

**Oily Water Treatment System:**

VOC content (ppm)<sup>(1)</sup>: \_\_\_\_\_

Total wastewater treated (mmgal): \_\_\_\_\_

VOC Emissions: \_\_\_\_\_

(Unocal letter of 2-26-91): 365 days x 11.9 kg/d x 2.205 lb/kg/2000 \_\_\_\_\_ 4.80 tons per year

Average of quarterly determinations of chemical oxygen demand of the wastewater (kg COD/m<sup>3</sup>): \_\_\_\_\_

Organic component removed as sludge (kg/yr): \_\_\_\_\_

Average of quarterly determinations of nitrogen in effluent (kg N/m<sup>3</sup>): \_\_\_\_\_

**Cooling Towers:**

Highest annual cooling tower hydrocarbon (ppm)<sup>(1)</sup>: \_\_\_\_\_

Total water through cooling towers (mmgal/hour) \_\_\_\_\_ (A)

Emfac from AP-42, Table 5.1-2, 5<sup>th</sup> ed.: 0.70 lb/mmgal x 8760 hr/yr/2000 \_\_\_\_\_ 3.066 tpy/mmgal/hr

VOC Emissions (tons/year): (A) x 3.066 tpy/mmgal/hour \_\_\_\_\_

**Sulfur Recovery:**

Hours tail gas unit (B702) was **not** in service: \_\_\_\_\_ (B)

Average flow rate to the absorber in scf/hour, (FQI-1721): \_\_\_\_\_ (C)

Average H<sub>2</sub>S content in vol %, (AI-1704): \_\_\_\_\_ (D)

Average TRS as H<sub>2</sub>S in TGU in ppm, (AI-1709): \_\_\_\_\_ (E)

Estimated SO<sub>2</sub> emissions from B702 in tons per year:  
[(8760 - B) x C x E x 0.1688]/(2000 x 10<sup>6</sup>) \_\_\_\_\_

SO<sub>2</sub> emissions from the B602A/B in tons per year: B602A \_\_\_\_\_

B602B \_\_\_\_\_

(1) Include recent analytical data supporting this value. **This form is incomplete without this data.**