Air Pollution Control District
San Luis Obispo County

EMISSIONS INVENTORY INFORMATION
For Inventory Year - 2025

FORM 17: PETROLEUM REFINING PROCESS

Facility ID _____ **Facility Name** _____ **Contact** _____

Total Refinery Feed (bbl/yr x 10^3): _____

Sulfur in Feed (%)(1): _____

Oily Water Treatment System:

VOC content (ppm)(1): _____

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^3): _____

Organic component removed as sludge (kg/yr): _____

Average of quarterly determinations of nitrogen in effluent (kg N/m^3): _____

Cooling Towers:

Highest annual cooling tower hydrocarbon (ppm)(1): _____

Total water through cooling towers (mmgal/hour): _____ (A)

Emfac from AP-42, Table 5.1-2, 5th 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_2S content in vol %, (AI-1704): _____ (D)

Average TRS as H_2S in TGU in ppm, (AI-1709): _____ (E)

Estimated SO_2 emissions from B702 in tons per year:

[(8760 - B) x C x E x 0.1688]/(2000 x 10^6) _____

SO_2 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.**