

# Form P1

**PERMITTED**  
**FUGITIVE EMISSIONS SUMMARY -**  
**OIL/GAS PRODUCTION & CHEMICAL PLANTS**

**Emissions Report**

July 1, 2007 - December 31, 2007

- Read instructions on the back and Guidelines for Fugitive Emission Calculations before completing form.
- Record each row on Form ES.

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\_\_\_\_\_ FACILITY NAME

FACILITY I.D. NUMBER

If you used Correlation Equations / Screening Value Range Method, please enter the number of data diskettes you are enclosing.

ROG Source (a)	TAC/ ODC (Y/N) (b)	Number of Sources (c)	EMISSION FACTORS (lbs/source)		EMISSIONS (lbs)	
			Organic Gases (d)	Methane (e)	Organic Gases (c) x (d)	Methane (c) x (e)
Valves in vapor service						
Valves in light liquid service						
Valves in heavy liquid service						
Pumps in light liquid service						
Pumps in heavy liquid service						
Compressors in vapor recovery service						
Compressors in gas injection service						
PRVs/P-V valves to atmosphere (no rupture disc)						
Connectors						
Flanges						
Others (hatches, drains, sight-glasses, meters, etc.)						

Oil/Gas Production Facility     Gas Plant     Chemical Plant

1. TOTAL EMISSIONS (lbs)

2. Divide each TOTAL EMISSIONS (lbs) by 2000 then transfer to Form R1, Line 10 (tons)




## Form P1 - Permitted Fugitive Emissions Summary - Oil/Gas Production & Chemical Plants

**Note 1:** For detailed instructions on how to calculate fugitive emissions, refer to the AQMD's guidelines document "[Guidelines for Fugitive Emissions Calculations](#)" dated June 2003.

**Note 2:** If the emissions from the components reported on this form contain any TACs or ODCs which are considered VOCs (e.g., benzene), you must report the total VOC on this form and the TAC/ODC content on Form TAC. If the emissions from components are exclusively TAC or ODC and not VOC (i.e., 1,1,1 TCA, Perc., Methylene Chloride, and CFC/Freons), you must only use Form TAC to report these emissions.

**Note 3:** Complete this form for six-month (7/1/07-12/31/07) transitional reporting period.

**Facility Name and ID No.:** Please fill in your facility name and facility ID number in the designated spaces, exactly as indicated on Form X (Signature Sheet) in your package.

**Correlation Equation or Screening Value Range Method:** If you used the Correlation Equation Method or the Screening Value Range Method, enter the number of data diskettes you are enclosing in the box under the facility name. For detailed instructions, refer to the AQMD's guidelines document.

**Source Type:**

Light liquid: material in liquid state with more than 10 percent VOC by volume evaporated at 150°C (302°F), determined according to the test method ASTM D-86.

Heavy Liquid: material in liquid state with 10 percent or less VOC by volume evaporated at 150°C (302°F), determined according to the test method ASTM D-86.

**TAC/ODC (Y/N):** In column (b) enter "Y" (for Yes) or "N" (for No) to indicate whether the components reported in each row emit any toxic air contaminants or ozone depleting compounds.

**Number of Sources:** Enter the number of sources for each category and component type in column (c) regardless of the emission calculation methodology used. Refer to the AQMD's guidelines document for detailed instructions. **If you are using default emission factors listed on page 6 of "[Guidelines for Fugitive Emissions Calculations](#)" dated June 2003, enter half (½) of the number of sources to estimate the emissions during this six-month transitional reporting period.**

**Emission Factors:** Refer to AQMD's guidelines document for different methods of calculating fugitive emissions. Default factors listed in the guidelines document should be used only if screening data is not available. If you are using the Correlation Equation or the Screening Value Range Method, back calculate the emission factor for each component type by dividing the emissions by the number of sources.

**Emissions:** Calculate the emissions using the following formula:

$$\text{Emissions} = (\text{number of sources}) \times (\text{emission factor})$$

Please refer to the AQMD's guidelines document for more details.

**Total Emissions:** Total the emissions and enter results on Line 1. Diskette users should also report total emissions on Line 1. To convert the total emissions to tons, divide the total in pounds by 2000, round to two (2) decimal places and enter the total emissions (tons) on Line 2. Transfer the total emissions (tons) to Form R1, Line 10.