South Coast Air Quality Management District

FORM 400–E–2c
GASEOUS EMISSION CONTROL FORM
FLARE

Mail Application To:
SCAQMD
P.O. Box 4944
Diamond Bar, CA 91765
Tel: (909) 396-3385
www.aqmd.gov

This form must be accompanied by a completed Application for a Permit to Construct/Operate -Form 400A, Form CEQA, Plot Plan and Stack Form

Permit to be issued to (Business name of operator to appear on permit):

Address where the equipment will be operated (for equipment which will be moved to various location in AQMD's jurisdiction, please list the initial location site):

○ **Fixed Location** ○ **Various Locations**

SECTION A: EQUIPMENT DESCRIPTION

Equipment

Manufacturer: | **Model No:** | **Make:**

Type

○ **Elevated** ○ **Ground Level** ○ **Pit** **How Is Flare Assisted?** ○ **Air Assisted** ○ **Steam Assisted** ○ **Non-Assisted**

Operation (See Rule 1118 for definition)

○ **Clean Service Flare** ○ **Emergency Service Flare** ○ **General Service Flare**

Dimension

Flare Height _____ ft. **Flare Tip Inside Diameter** _____ ft.

Design Criteria for Waste Gas Stream

Retention Time at Normal Operating Temperature: _____ secs at _____ °F

Combustion Chamber Volume: _____ cubic feet

Design Waste Stream Flow: _____ scfm

Btu: _____

	Minimum	Maximum
Velocity At Tip (Feet per Second)		
Flow Rate (scfm)		

For Steam Injection

Steam Pressure(psig) Minimum	Steam Pressure(psig) Maximum

Design Basis for Steam Injected (lb steam/lb hydrocarbons): _____

Total Steam Flow rate (pounds/hour): _____ **Number of Jets:** _____

Temperature: _____ **Diameter of Jets:** _____ (inches) **Velocity** (Feet per Second): _____

For Water Injection

Water Pressure (psig) Minimum	Water Pressure (psig) Maximum	Total Water Flow rate (gpm) Minimum	Total Water Flow rate (gpm) Maximum

Number of Water _____

Diameter of Water Jets: _____ (inches)

Auxiliary Fuel Data

Auxiliary Fuel Available? ○ Yes ○ No If yes, indicate _____

Number of Pilots: _____ **Fuel Rate (scfm [70 °F & 14.7psia) per pilot:** _____

Fuel Usage (Select One):	Maximum	Minimum	Average
○ **Cubic Feet/Hour OR** ○ **Gallons/Hour**			

SECTION B: WASTE GAS STREAM CHARACTERISTICS

Brief Description of Process	**Describe equipment vented to this Flare. Also describe the type of ignition system and its method of operation. Provide an explanation of the control system for steam flow and rate and other operating variables. Please supply an assembly drawing, dimensioned to scale, to show clearly the operation of the flare system. Show interior dimensions and features of the equipment necessary to calculate its performance.**

	Material	Flow rate scfm (70 F & 14.7 psia)			Btu Rating
		Minimum	Average	Maximum	
Waste Gas Stream					
Instrumentation Data	**Describe instrumentation data for measuring temperature, pressure drop and other operating parameters (attach description, if necessary).**				
Operating Schedule	**Normal:** _____ **hours/day** _____ **days/week** _____ **weeks/yr** **Maximum:** _____ **hours/day** _____ **days/week** _____ **weeks/yr**				

SECTION C: APPLICANT CERTIFICATION STATEMENT

I hereby certify that all information contained herein and information submitted with this application is true and correct.

SIGNATURE OF PREPARER:	**TITLE OF PREPARER:**	**PREPARER'S TELEPHONE NUMBER:** **PREPARER'S E-MAIL ADDRESS:**
CONTACT PERSON FOR INFORMATION ON THIS EQUIPMENT: **E-MAIL ADDRESS:**	**CONTACT PERSON'S TELEPHONE NUMBER:** **FAX NUMBER:**	**DATE SIGNED:**

CONFIDENTIAL INFORMATION

Under the California Public Records Act, all information in your permit application will be considered a matter of public record and may be disclosed to a third party. If you wish to keep certain items as confidential, please complete the following steps:

(a) Make a copy of any page containing confidential information blanked out. Label this page "public copy."
(b) Label the original page "confidential." Circle all confidential items on the page.
(c) Prepare a written justification for the confidentiality of each confidential item. Append this to the confidential copy.

_____ Model Number

Validate/Print Reset