

FLARE SUMMARY FORM

Instructions



*The information may be submitted on this form or on separate sheets as long as the sections are referenced. Please respond to all sections.*

1. Company/Agency: \_\_\_\_\_

2. Mailing Address: \_\_\_\_\_

3. Telephone #: \_\_\_\_\_

4. Flare Data :

Manufacturer: \_\_\_\_\_

Model # \_\_\_\_\_

Type (e.g., ground or elevated, if elevated indicate height in feet): \_\_\_\_\_

Type of service (continuous, intermittent, emergency or blowdown release only, or other -- please specify): \_\_\_\_\_

Atomizing mode description: \_\_\_\_\_

Operational range in cubic feet per minute and BTU per hour rating: \_\_\_\_\_

5. Pilot Light Data :

Type Pilot(s): \_\_\_\_\_

Means to assure pilots are operational: \_\_\_\_\_

Gas used for pilot: \_\_\_\_\_

6. Emission Data :

- a. Is Flame Colorless? \_\_\_\_\_
- b. Method(s) for achieving smokeless operation (steam injection, water spray, venturi jet or other): \_\_\_\_\_
- c. Estimated annual and maximum hourly waste gas volume and, for continuously or intermittently operating flares, the ratio of normal flow rate to design flow rate: \_\_\_\_\_
- d. Composition of feed gas including all sulfur compounds as (H<sub>2</sub>S): \_\_\_\_\_
- e. Ratio of steam or water to hydrocarbons: \_\_\_\_\_
- f. Ability to automatically adjust the steam or water spray rate: \_\_\_\_\_
- g. Reliability of ignition of flared gases in the range of service conditions: \_\_\_\_\_
- h. Attach field or "bench" emissions testing results applicable to your flare: \_\_\_\_\_

7. Monitoring :

- a. Does the flare system have an audible and/or warning light alarm system? If so, please describe: \_\_\_\_\_
- b. What is the flare's systems ability to monitor the quantity and composition of gases to the flare? \_\_\_\_\_

8. Additional information (if known):

- a. Quantification of flare combustion efficiency including dependence on flow rate: \_\_\_\_\_
- b. Quantification of pollutant emissions, including dependence on combustion efficiency and on types of operational controls. *(Use the table below)* :

| Fuel & Rate | Operating Temperature | Max Sulfur Content (H <sub>2</sub> S) | Efficiency of Combustion (%) | Emission Rate (lb/hr) |     |       | Air:Fuel Ratio |
|-------------|-----------------------|---------------------------------------|------------------------------|-----------------------|-----|-------|----------------|
|             |                       |                                       |                              | NOx                   | SOx | PM-10 |                |
|             |                       |                                       |                              |                       |     |       |                |

- c. Ranking of the various types of flares and of various methods of achieving "smokeless" operation according to ability to minimize emissions under the service conditions found in your industry.  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

COMPLETED BY: \_\_\_\_\_ TITLE: \_\_\_\_\_  
*(Please Print)*

DATE: \_\_\_\_\_ PHONE: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_