

# Flare Stack Design Specification Sheet

Attention: \_\_\_\_\_ Customer: \_\_\_\_\_  
Company Name: \_\_\_\_\_ General Location: \_\_\_\_\_  
Phone: \_\_\_\_\_ Site Elevation: \_\_\_\_\_  
Fax: \_\_\_\_\_ Required by Date: \_\_\_\_\_  
Email: \_\_\_\_\_ Today's Date: \_\_\_\_\_  
Project Reference: \_\_\_\_\_

## EQUIPMENT

LP Utility Flare:  No  Yes  Intermittent  Continuous  
HP/LP Flare:  No  Yes  Air-Assist  Steam-Assist  Gas-Assist  
Support:  Self-Support  Guyed  Derrick  
Knockout Drum:  No  Yes  Integral  Separate  
Flame Arrestor:  No  Yes  Deflagration  Detonation

## DESIGN PARAMETERS

Design Flow Rate: \_\_\_\_\_ (scfd)  
Allowable Pressure Drop: \_\_\_\_\_ PSIG  
Pressure of Flare Gas: \_\_\_\_\_ PSIG  
Temperature of Flare Gas: \_\_\_\_\_ (°F)  
Allowable Radiation at Grade: \_\_\_\_\_ (BTU/ft<sup>2</sup>/hr)  
Atmospheric Pressure: \_\_\_\_\_ PSI(a)  
Design Regulatory Authority:  API 521  ASME B31.1  40CFR 60.13

Fuel Gas Analysis – provide details: \_\_\_\_\_

Waste Gas Analysis – provide details on a separate sheet or complete page two.

## PILOT AND IGNITION SYSTEM

Continuous Pilot:  No  Yes  Natural Gas  Propane  
Add Flame Monitor/Auto-Relight:  No  Yes  
Electronic Igniter:  No  Yes  
Power: Solar Package (12 VDC)  No  Yes  
Electricity Available Onsite:  No  Yes  120 VAC  24 VDC  Other  
Other: \_\_\_\_\_

