Flare Stack Design Specification Sheet

Attention: ____________________________  Customer: ____________________________
Company Name: ________________________________  General Location: ____________________________
Phone: ________________________________  Site Elevation: ____________________________
Fax: ________________________________  Required by Date: ____________________________
Email: ________________________________  Today’s Date: ____________________________
Project Reference: ____________________________

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**EQUIPMENT**

<table>
<thead>
<tr>
<th>LP Utility Flare</th>
<th>☐ No</th>
<th>☐ Yes</th>
<th>☐ Intermittent</th>
<th>☐ Continuous</th>
</tr>
</thead>
<tbody>
<tr>
<td>HP/LP Flare</td>
<td>☐ No</td>
<td>☐ Yes</td>
<td>☐ Air-Assist</td>
<td>☐ Steam-Assist</td>
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<tr>
<td>Support</td>
<td></td>
<td></td>
<td>☐ Self-Support</td>
<td>☐ Guyed</td>
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<tr>
<td>Knockout Drum</td>
<td>☐ No</td>
<td>☐ Yes</td>
<td>☐ Integral</td>
<td>☐ Separate</td>
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<tr>
<td>Flame Arrestor</td>
<td>☐ No</td>
<td>☐ Yes</td>
<td>☐ Deflagration</td>
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**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^2/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.

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**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 | ☐ 120 VAC | ☐ 24 VDC | ☐ Other
- Electricity Available Onsite: ☐ No | ☐ Yes
- Other: ____________________________
## Flare Stack Gas Analysis

<table>
<thead>
<tr>
<th>Component</th>
<th>Mole Percent</th>
<th>Mole Fraction</th>
<th>Pound Moles Per Hour</th>
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**TOTALS:**

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BIRD Equipment, LLC • 405-568-8049 • pgerber@birdequipmentllc.com • www.birdequipmentllc.com