### Preliminary Brewery Wastewater Treatment Data Sheet

#### General Information:

<table>
<thead>
<tr>
<th>Company</th>
<th>Today's date:</th>
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</thead>
<tbody>
<tr>
<td>Name</td>
<td>Email</td>
</tr>
<tr>
<td>Title</td>
<td>Address</td>
</tr>
<tr>
<td>Phone</td>
<td>Address</td>
</tr>
<tr>
<td>Fax</td>
<td>City, State Zip</td>
</tr>
</tbody>
</table>

| End user (if different than above) | Best means of contacting you: |

Please respond to these generic questions so that a general understanding of your needs can be developed. A more specific data request will follow to further develop a treatment system.

If your project is past the initial development phase, please include as much information specific to the treatment of the wastewater. Such information should include:

- Wastewater characteristics, flows (GPM), batch sizes (Gallons), discharge limits, available space, if this is a new WWTP or needs to be integrated into an existing WWTP (If integrated, a schematic of the existing WWTP will be necessary), schedule, if we will be working with a local engineer for various approvals…

#### Project Data

State if this is a **New** or **Upgrade / Modification** to an existing WWTP?

(If this is to be integrated into an existing treatment process – include schematic of existing)

- Engineering Start Date:
  - Is an Engineering Report required for regulatory approval?
  - Are Drawings Certified by a Professional Engineer Required?
  - Are Drawings required for other local approvals?
  - Is there a local Engineering Firm available to assist with local approvals?

- Construction Start Date:

- Startup Date:

- Location (Urban, Suburban, Rural):

- Does the wastewater to be treated include sanitary?

- Is there a current or possible odor issue with regulators or neighbors?

- What is the present / future method of Sludge Disposal?

- Construction constraints (Other than budget):

- Space limitations:

- Is ground water or rock an issue?

- Are soil borings / geotechnical report available?

#### Wastewater / Process Characteristics

- Do you have a Discharge Permit stating Discharge Limits at this time?

- Do you know how long these limits will be in place?

- What is current process?

- What wastewater equipment is currently in place?

- Concerns with current equipment process:

- Maximum Batch Discharge Volume (Gallons):

- Clean In Place (CIP) chemicals used, concentration and volumes:

- Are Floor drains isolated? Are solids and other contaminates controlled?

- Does the process include Diatomaceous Earth filters?

- Maximum flow rate (GPM)

- Duration of wastewater discharge (24/7, 8-hours, 16-hours…):

- Has testing of the wastewater been done already?
Influent / Effluent Wastewater characteristics:

<table>
<thead>
<tr>
<th>Component</th>
<th>Influent</th>
<th>Effluent</th>
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</thead>
<tbody>
<tr>
<td>Minimum Daily Flow (GPD)</td>
<td></td>
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<tr>
<td>Average Daily Flow (GPD)</td>
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<td></td>
</tr>
<tr>
<td>Maximum Daily Flow (GPD)</td>
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</tr>
<tr>
<td>pH (Max - Min)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wastewater Temp (Max – Min)</td>
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<tr>
<td>Ambient Temperature Range (Max – Min)</td>
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<td></td>
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<tr>
<td>Biological Oxygen Demand (mg/l)</td>
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<tr>
<td>Total Suspended solids (mg/l)</td>
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<td></td>
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<tr>
<td>Ammonia (mg/l)</td>
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<tr>
<td>Alkalinity</td>
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<tr>
<td>Residual Chlorine (mg/l)</td>
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If sample data is not available we can advise on the tests to be performed
If data is available please provide last 12-months + any anticipated changes

Technical Assistance Desired / Needed:

Technical Assistance
Design of Treatment System (drawings and equipment spec's)
Design Build (System designed, installed, and made operational)
Startup
Continued Operational support and trouble shooting

Additional Comments and Detail:

Thank you in advance for your time.