SUPPLEMENTAL INFORMATION: SWEATING FURNACE

Fill out the attached form including the following information and submit with your application for an Authority to Construct.

1. **EQUIPMENT LOCATION DRAWING** - The drawing or sketch submitted must show the following:
   
   a. The property involved, with outlines of all buildings. Identify property lines plainly and uses of adjacent properties.

   b. Location and identification of the furnace on the property. Location of stack or vent.

2. **ESTIMATE OF EMISSIONS**
   
   a. Provide estimates of pollutant concentrations and mass emission rates for pollutants listed in c. below.

   b. State any combustion modifications or control devices employed to reduce emissions. State estimated reduction.

   c. Best Available Control Technology (BACT) is required if the potential to emit exceeds one or more of the following limitations on a daily basis:

<table>
<thead>
<tr>
<th>Pollutant</th>
<th>Limitation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Particulate Matter (PM-10)</td>
<td>80 lb/day</td>
</tr>
<tr>
<td>Nitrogen Oxides</td>
<td>25 lb/day</td>
</tr>
<tr>
<td>Sulfur Oxides</td>
<td>80 lb/day</td>
</tr>
<tr>
<td>Reactive Organic Compounds</td>
<td>25 lb/day</td>
</tr>
<tr>
<td>Carbon Monoxide</td>
<td>500 lb/day</td>
</tr>
</tbody>
</table>

3. **DRAWING OF FURNACE** - Supply a drawing, dimensioned and to scale, showing the following:

   a. Overall size and shape of the unit.

   b. Fuel type.

   c. Fuel consumption estimate.

   d. Submit the manufacturer's catalog or specifications for the equipment.

4. **ADDITIONAL INFORMATION**

   a. Complete page 2.

After an authority to construct is granted for any equipment, deviations from the approved plans are not permissible without first securing additional approval for the changes from the Air Pollution Control Officer.

Further information or clarification concerning permits can be obtained by calling (530) 332-9400.
FURNACE SUMMARY

1. Company Name: ________________________________

2. Furnace Manufacturer: ____________________________
   Model Number: ________________________________
   Serial Number: ________________________________

3. Furnace Operating Temperature:
   Normal: ______ °F    Maximum: ______ °F

4. Combustion Air Blower Capacity: ________ cfm

5. Air Pollution Control Devices: ________________________________

6. Process Material Description: ________________________________

7. Material Process Rate: ________ lbs/load
   (state average values)
   ________ lbs/day
   ________ days/year

8. Fuel Type and Usage (state average values):
   Gas:  ☐ Natural ________ ft³/hr
         ☐ LPG ________ ft³/day

9. Flux Description: ________________________________

10. Flux Flow Rate (lbs/load): ________________________________