**MODULEX BOILER MAINTENANCE FORM**

Please complete ONE (1) form for each UNIT at the site and return to AERCO within 30 days of performing the maintenance. After completion, e-mail this form to: STARTUP@AERCO.COM.

Completed By: ____________________________ Date: ____________________________

**Location**

<table>
<thead>
<tr>
<th>Installation Name</th>
<th>SST Technician</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Street Address</th>
<th>Company</th>
<th>Phone #</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>City, State, Zip</th>
<th>UNIT SERIAL #</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
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</tbody>
</table>

**Maintenance Schedule**

- [ ] 12 Month Maintenance
- [ ] 24 Month Maintenance

**Equipment Classification**

- [ ] MLX EXT 321
- [ ] MLX EXT 481/450
- [ ] MLX EXT 641/600
- [ ] MLX EXT 802/800
- [ ] MLX EXT 962
- [ ] MLX EXT 1123/1100
- [ ] MLX EXT 1530/1500
- [ ] MLX EXT 1912
- [ ] MLX EXT 2295/2300
- [ ] MLX EXT 2677/2600
- [ ] MLX EXT 3060/3000

**Combustion Calibration**

Note: Consult Modulex O&M Manuals, GF-139 & GF-143, for proper oxygen (O₂) settings.

Ambient combustion air temperature during calibration: _____________ °F

Inlet Gas Manifold Supply Pressure: _____________ inches W.C.

<table>
<thead>
<tr>
<th>BURNER¹</th>
<th>OXYGEN (O₂) At High Fire (%)</th>
<th>OXYGEN (O₂) At Low Fire (%)</th>
<th>CARBON MONOXIDE (CO) (ppm)</th>
<th>NITROGEN OXIDES – NOₓ²</th>
<th>GAS VALVE OUTLET PRESSURE (in. W.C.) [MLX only]</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>%</td>
<td>%</td>
<td>ppm</td>
<td></td>
<td>in. W.C.</td>
</tr>
<tr>
<td>2</td>
<td>%</td>
<td>%</td>
<td>ppm</td>
<td></td>
<td>in. W.C.</td>
</tr>
<tr>
<td>3</td>
<td>%</td>
<td>%</td>
<td>ppm</td>
<td></td>
<td>in. W.C.</td>
</tr>
<tr>
<td>4</td>
<td>%</td>
<td>%</td>
<td>ppm</td>
<td></td>
<td>in. W.C.</td>
</tr>
<tr>
<td>5</td>
<td>%</td>
<td>%</td>
<td>ppm</td>
<td></td>
<td>in. W.C.</td>
</tr>
<tr>
<td>6</td>
<td>%</td>
<td>%</td>
<td>ppm</td>
<td></td>
<td>in. W.C.</td>
</tr>
<tr>
<td>7</td>
<td>%</td>
<td>%</td>
<td>ppm</td>
<td></td>
<td>in. W.C.</td>
</tr>
<tr>
<td>8</td>
<td>%</td>
<td>%</td>
<td>ppm</td>
<td></td>
<td>in. W.C.</td>
</tr>
</tbody>
</table>

¹) Depending on size, the Modulex Boiler will have from 2 burners (MLX EXT 321) to 8 burners (MLX EXT 3060) which are calibrated individually.
General Installation

1. Have there been any faults or issues since the last service? □ Yes □ No
   a. If so, what are they? __________________________
   b. Have they been successfully resolved? □ Yes □ No
2. Has the condensate disposal system been inspected since the last service? □ Yes □ No
   a. Does it drain properly? □ Yes □ No
3. Has the condensate neutralizer been inspected? □ Yes □ No
   a. Has the limestone been replaced? □ Yes □ No

Gas Supply

The questions below are related to the information in the Modulex Gas Supply Application Guide, GF-136-G

1. Type of Gas Supply: □ Natural Gas □ Propane
2. What is the static gas supply pressure to the main manifold? ______________________
3. What is the static gas supply pressure to the external supply regulators (if used)? ______________________
4. Have any gas leaks been detected? □ Yes □ No
   a. If so, have they been successfully resolved? □ Yes □ No

Venting

The questions below are related to the information in the Modulex Venting Application Guide, GF-136-V

1. Has the venting been inspected for any leaks/damage? □ Yes □ No
2. Are the gaskets installed properly and providing an adequate seal? □ Yes □ No

Hydronic Installation

1. What is the design system flow rate? ______________________
2. Are strainers installed in both the primary and secondary loops? □ Yes □ No
   a. Have they been inspected and cleaned? □ Yes □ No
3. What is the system pressure? ______________________
4. What is the primary loop GPM? ______________________
5. What is the secondary loop GPM? ______________________
6. What is the system pH?
   a. Date of last test: ______________________
7. What is the water hardness? ______________________ Units: ______________________
   a. Date of last test: ______________________
8. Was the Flow Switch operation checked? ______________________
9. Was the water side flushed and/or cleaned? ______________________
   a. What chemicals were used? ______________________
   b. What type of inhibitor/glycol is used? ______________________
Fireside Inspection

1. Was a fireside inspection performed? □ Yes □ No
   a. If so, were new burner gaskets installed? □ Yes □ No
   b. Was any buildup found in the heat exchanger? □ Yes □ No
   c. How was the heat exchanger cleaned? ______________________________

2. Check the components that were replaced:
   a. Igniter? □
   b. Flame rod? □
   c. Burner gasket? □
   d. Other (please specify) □ ______________________________
   e. Other (please specify) □ ______________________________
   f. Other (please specify) □ ______________________________
1. Is the boiler plant installed in accordance with AERCO guidelines and industry best practices?  
   □ Yes  □ No  
   a. If No, please describe the issues.  

   b. Who has been contacted? Please provide name & number for each person contacted (check all that apply)?  
      □ AERCO Applications Engineer: ______________________  □ General Contractor: ______________________  
      □ Mechanical Contractor: ______________________  □ Building Owner: ______________________  
      □ Design Engineer: ______________________  □ Plumber: ______________________  
      □ Controls Engineer: ______________________  □ Electrician: ______________________  

2. Is there any conflict between the Installation & the Engineer’s Specification or Design Plans?  
   □ Yes  □ No  
   a. If Yes, please describe the issues.  

   b. Who has been contacted? Please provide name & number for each person contacted (check all that apply)?  
      □ AERCO Applications Engineer: ______________________  □ General Contractor: ______________________  
      □ Mechanical Contractor: ______________________  □ Building Owner: ______________________  
      □ Design Engineer: ______________________  □ Plumber: ______________________  
      □ Controls Engineer: ______________________  □ Electrician: ______________________  

3. Are there any conflicts or physical restrictions that will prevent the boiler plant from receiving proper preventative maintenance in the future?  
   □ Yes  □ No  
   a. If Yes, please describe the issues.  

   b. Who has been contacted? Please provide name & number for each person contacted (check all that apply)?  
      □ AERCO Applications Engineer: ______________________  □ General Contractor: ______________________  
      □ Mechanical Contractor: ______________________  □ Building Owner: ______________________  
      □ Design Engineer: ______________________  □ Plumber: ______________________  
      □ Controls Engineer: ______________________  □ Electrician: ______________________  

AERCO Application Engineering Sign Off (If Necessary):  

______________________________________________________________