### INCINERATION AND THERMAL TREATMENT

**OAC 3745-68**

1. **Before adding hazardous waste, is the unit brought to steady state utilizing an auxiliary fuel?** [3745-68-73 or 3745-68-45]
   - Yes ☐
   - No ☐
   - N/A ☐

   a. **List type of auxiliary fuel used:**

   b. **Is the process a batch thermal treatment process?**

   c. **Is the unit a boiler, industrial furnace, thermal treatment unit, or incinerator?**
   - Yes ☐
   - No ☐
   - N/A ☐

   d. **Does the unit burn waste which is hazardous solely due to ignitability, reactivity, or combustibility?**
   - Yes ☐
   - No ☐
   - N/A ☐

### WASTE ANALYSIS REQUIREMENTS

**NOTE:** In addition to analyses required under 3745-65-13, the following are minimum requirements for wastes not previously burned/treated [3745-68-41 and 3745-68-75]

2. **Is the operator conducting an analysis of any waste which has not been previously burned in the incinerator as required by 3745-68-41?**
   - Yes ☐
   - No ☐
   - N/A ☐

   If so, does the analysis include a determination of the following:

   a. **Heating value of the waste?** [3745-68-41(A)]
   - Yes ☐
   - No ☐
   - N/A ☐

   b. **Halogen content of the waste?** [3745-68-41(B)]
   - Yes ☐
   - No ☐
   - N/A ☐

   c. **Sulfur content of the waste?** [3745-68-41(B)]
   - Yes ☐
   - No ☐
   - N/A ☐

   d. **Concentrations of lead and mercury in the waste?** [3745-68-41(C)]
   - Yes ☐
   - No ☐
   - N/A ☐

   i. If the o/o does not have lead and mercury analysis, is written documentation available to show that these elements are absent from the waste? [3745-68-41(C)]
   - Yes ☐
   - No ☐
   - N/A ☐

   e. **List other parameters for which the waste is tested to enable the owner/operator to establish steady state or determine the types of pollutants which may be emitted (Also note any which should be tested.)**

3. **Are steady state conditions established prior to feeding hazardous waste(s) into the unit for incineration?** [3745-68-45 and 3745-68-73]
   - Yes ☐
   - No ☐
   - N/A ☐

### MONITORING AND INSPECTIONS

4. **Is the operator meeting the following monitoring and inspection requirements:** [3745-68-47 and 3745-68-77]
   - Yes ☐
   - No ☐
   - N/A ☐

   a. **Are combustion/emission control instruments monitored at least every 15 minutes?** [3745-68-47(A), 68-77(A)]
   - Yes ☐
   - No ☐
   - N/A ☐

   b. **Is steady state maintained or correction attempted?** 3745-68-77(B)
   - Yes ☐
   - No ☐
   - N/A ☐

   c. **FOR THERMAL TREATMENT ONLY**

   i. **Is stack plume observed at least hourly for normal color and opacity?** [3745-68-77(B)]
   - Yes ☐
   - No ☐
   - N/A ☐

   ii. **Have these stack plume observations ever shown a plume different than normal?**
   - Yes ☐
   - No ☐
   - N/A ☐

   iii. **If yes to (2) above, were corrections made to return emissions to normal appearance?** [3745-68-77(B)]
   - Yes ☐
   - No ☐
   - N/A ☐
<table>
<thead>
<tr>
<th></th>
<th>Question</th>
<th>Yes</th>
<th>No</th>
<th>N/A</th>
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<tbody>
<tr>
<td>d.</td>
<td>Are daily inspections conducted of the unit and all associated equipment to ensure proper operation? [3745-68-77(C)]</td>
<td>Yes</td>
<td>☐</td>
<td>☐</td>
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<td>e.</td>
<td>Are the complete units and associated equipment inspected daily for leaks, spills, and fugitive emissions? [3745-68-77(C)]</td>
<td>Yes</td>
<td>☐</td>
<td>☐</td>
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<td>f.</td>
<td>Are emergency shutdown controls and system alarms checked daily for proper operation? [3745-68-77(C)]</td>
<td>Yes</td>
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<td>5.</td>
<td>At closure, have all hazardous wastes and residues been removed? [3745-68-51 and 3745-68-81]</td>
<td>Yes</td>
<td>☐</td>
<td>☐</td>
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<td>6.</td>
<td>Does the owner/operator burn hazardous wastes F020, F021, F023, F026 or F027?</td>
<td>Yes</td>
<td>☐</td>
<td>☐</td>
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<tr>
<td>a.</td>
<td>If yes, has the unit been certified by the Director [3745-68-52 and 3745-68-83]</td>
<td>Yes</td>
<td>☐</td>
<td>☐</td>
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<td>7.</td>
<td>Does the facility open burn or detonate waste explosives within the isolation distances specified in 3745-68-82</td>
<td>Yes</td>
<td>☐</td>
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