### New Boilers - commenced construction or reconstruction after June 4, 2010¹

<table>
<thead>
<tr>
<th>Heat capacity</th>
<th>Subcategory</th>
<th>Requirements</th>
<th>Performance Testing</th>
<th>Notification and Report Submission</th>
<th>Other Requirements</th>
</tr>
</thead>
</table>
|               | Coal (not limited-use boilers) | • Numeric emission limits for Hg, CO, and PM (Table 1)  
• Fuel analyses (Table 5 and §63.11213) | Show initial compliance w/in 180 days after startup | • Initial notification  
• Notification of compliance status (electronic)  
• Annual report | • Minimize startup and shutdown periods and conduct according to manufacturer’s recommended procedures  
• Operating limits in Tables 3 and 6  
• Stack tests and procedures §63.11212  
• Continuous compliance §63.11222 or §63.11223 |
| Large²       | Biomass and Oil (not limited-use and not seasonal boilers) | • Numeric emission limit for PM⁴  
• Tune-up every other yr, or every 5 yrs if using O₂ trim system | NA | NA | NA |
| Small³       | Coal, Biomass, and Oil (> 5MMBtu/hr) | • Tune-up every other yr, or every 5 yrs if using O₂ trim system | NA | • Initial notification  
• Notification of compliance status (electronic)  
• 2- or 5-year report | • Continuous compliance §63.11223 |
| ≤ 5 MMBtu/hr | Oil | NA | NA | NA | NA |
| Either ⋆     | Seasonal and limited-use boilers | • Tune-up every 5 years | NA | • Initial notification  
• Notification of compliance status (electronic)  
• 5-year report | • Continuous compliance §63.11223  
• Limited use - keep copy of fed enforceable permit and records of fuel use  
• Seasonal - keep records of days of operation per year |
|               | Gas (all types) | • None (NA to rule) | NA | NA | NA |

¹A new or reconstructed dual-fuel gas-fired boiler that meets the applicability requirements of subpart JJJJJJ after June 4, 2010 due to a fuel switch from gaseous fuel to solid fossil fuel, biomass, or liquid fuel is considered to be a new source.
²Large – heat capacity is greater than or equal (≥) to 10 MMBtu/hr.
³Small – heat capacity is less than (<) to 10 MMBtu/hr.
⁴New oil-fired boilers that combust only oil with no more than 0.50 wt % sulfur or a mixture of 0.50 wt % sulfur oil with other fuels are not subject to a PM emission limit and that do not use a post-combustion technology (except a wet scrubber) to reduce PM or SO₂ emissions are not subject to the PM emission limit (monitor and record monthly the type of fuel combusted).

This page reflects rules in effect on February 1, 2013, updated sheets can be found at: [http://www.kdheks.gov/air-permit/download.html](http://www.kdheks.gov/air-permit/download.html)
Industrial, Commercial, and Institutional Boilers located at an area source of HAPS
40 CFR Part 63, Subpart JJJJJJ

<table>
<thead>
<tr>
<th>Heat capacity</th>
<th>Subcategory</th>
<th>Requirements Tables 1 and 2</th>
<th>Performance Testing Tables 4 and 5</th>
<th>Notification and Report Submission</th>
<th>Other Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Large&lt;sup&gt;2&lt;/sup&gt;</td>
<td>Coal (not limited-use boilers)</td>
<td>● Numeric emission limits for Hg and CO (Table 1) ● One-time energy assessment ● Fuel analyses (Table 5 and §63.11213)</td>
<td>Show initial compliance w/in 180 days after compliance date (3/21/14)</td>
<td>● Initial notification ● Notification of compliance status (electronic) ● Annual report</td>
<td>● Minimize startup and shutdown periods and conduct according to manufacturer’s recommended procedures ● Operating limits in Tables 3 and 6 ● Stack tests and procedures §63.11212 ● Continuous compliance §63.11222</td>
</tr>
<tr>
<td>Biomass and Oil (not limited-use boilers)</td>
<td>● Tune-up initially and every other year or every 5 years&lt;sup&gt;4&lt;/sup&gt; ● One-time energy assessment</td>
<td>NA</td>
<td>NA</td>
<td>● Initial notification ● Notification of compliance status (electronic) ● 2- or 5-year report</td>
<td>● Continuous compliance §63.11223</td>
</tr>
<tr>
<td>Small&lt;sup&gt;3&lt;/sup&gt;</td>
<td>Coal, Biomass, and Oil (&gt; 5 MMBtu/hr)</td>
<td>● Tune-up initially and every other year or every 5 years&lt;sup&gt;4&lt;/sup&gt;</td>
<td>NA</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>≤ 5 MMBtu/hr</td>
<td>Oil</td>
<td>● Tune-up initially and every 5 years</td>
<td>NA</td>
<td>● Initial notification ● Notification of compliance status (electronic) ● 5-year report</td>
<td>● Continuous compliance §63.11223 ● Limited use - keep copy of fed enforceable permit and records of fuel use ● Seasonal - keep records of days of operation per year</td>
</tr>
<tr>
<td>Either</td>
<td>Seasonal and limited-use</td>
<td></td>
<td>NA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gas (all types)</td>
<td>None (NA to rule)</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td></td>
</tr>
</tbody>
</table>

<sup>1</sup>An existing dual-fired boiler meeting the definition of gas-fired boiler that meets the applicability requirements of subpart JJJJJJ after June 4, 2010 due to a fuel switch from gaseous fuel to solid fossil fuel, biomass, or liquid fuel is considered to be an existing source under this rule as long as the boiler was designed to accommodate the alternate fuel.

<sup>2</sup>Large – heat capacity is greater than or equal (≥) to 10 MMBtu/hr.

<sup>3</sup>Small – heat capacity is less than (<) to 10 MMBtu/hr.

<sup>4</sup>If boiler uses an oxygen trim system that maintains an optimum air-to-fuel ratio, then tune every 5 years.

This page reflects rules in effect on February 1, 2013, updated sheets can be found at: [http://www.kdheks.gov/air-permit/download.html](http://www.kdheks.gov/air-permit/download.html)