

**National Emission Standards for Hazardous Air Pollutants for  
Reciprocating Internal Combustion Engines (RICE Rule) Training Module  
40 CFR 63 Subpart ZZZZ**

**Script- Major Source Existing Non-Emergency Spark Ignition 4-Stroke Lean Burn  
Engine less than 100 Horsepower**

**NARRATOR:**

[Slide 2:]

Welcome to the Connecticut Department of Energy & Environmental Protection's Online Training for the National Emission Standards for Hazardous Air Pollutants for Reciprocating Internal Combustion Engines, also known as the RICE Rule!

This tool is designed to help owners and operators of reciprocating internal combustion engines, also known as RICE, determine their requirements under 40 CFR Section 63, subpart ZZZZ. By answering the successive questions, your specific requirements have been estimated. Please note that they may not be complete, and refer any questions to your local authority.

[Slide 3:]

We have established that you own or operate an existing, non-emergency four-stroke lean burn engine, of less than 100 horsepower, located at a major source. Now, let's discuss your requirements.

Every 1,440 hours of operation or annually, whichever comes first, you must change the oil and filter. Note that an oil analysis program can be used to extend the oil change requirement; however, the oil analysis program must meet the following requirements:

- The oil analysis must be performed every 1,440 hours of operation or annually, whichever comes first. The oil analysis must analyze the parameters shown here to demonstrate that they do not exceed certain condemning limits, otherwise you are required to change the oil within two business days of receiving the results of the analysis or before operating the engine.

[Slide 4:]

Every 1,440 hours of operation or annually, whichever comes first, you must perform an inspection of the spark plugs, hoses, and belts and replace as necessary. You can petition EPA for alternative work practices.

In addition to these work practice standards, be sure to operate and maintain all equipment in accordance with safety and good air pollution control practices for minimizing emissions.

[Slide 5:]

Now, let's discuss your monitoring requirements. You must show continuous compliance by operating and maintaining the engine according to the manufacturer's emission-related operation and maintenance instructions or by developing and following your own maintenance plan which provides for the maintenance and operation of the engine in a manner consistent with good air pollution control practices.

[Slide 6:]

You must minimize the engine's time at idle during startup. Also, minimize the engine's startup time to a period needed for appropriate and safe loading; this period cannot exceed 30 minutes.

[Slide 7:]

In order to demonstrate that you are in compliance with all rule requirements, you must keep records of the maintenance conducted on the engine and after-treatment control device, if any, to show that they were operated and maintained according to your site-specific maintenance plan.

All records must be kept for five years from the date of creation.

[Slide 8:]

You must be in compliance with all applicable requirements of this rule by October 19<sup>th</sup>, 2013.

[Slide 9:]

If you would like more information about the RICE rule, please visit the EPA RICE Compliance web page at the address provided. This site provides resources such as Q and A documents, fact sheets, sample notification forms, and recordings of webinars, all of which are designed to help you comply with this rule.

[Slide 10:]

Let's summarize the requirements for your major source, existing non-emergency four-stroke lean burn engine, of less than 100 horsepower under this rule.

- You must change the oil and filter, inspect the hoses, belts and spark plugs, and replace as necessary every 1,440 hours of operation or annually, whichever comes first
- You must operate and maintain the unit according to the manufacturer's written instructions or develop your own site-specific maintenance plan.

[Slide 11:]

- Keep all records of engine maintenance for five years.
- Your engine must be in compliance with all requirements of this rule by October 19<sup>th</sup>, 2013.