

National Emission Standards for Hazardous Air Pollutants for  
Reciprocating Internal Combustion Engines (RICE Rule) Training Module  
40 CFR 63 Subpart ZZZZ  
Script- Major Source New Non-Emergency Spark Ignition 2-Stroke Lean Burn  
Engine less than or equal to 500 Horsepower

NARRATOR:

[Slide 2:]

Welcome to the Connecticut Department of Energy and 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.

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We have established that you own or operate a new non-emergency spark ignition two stroke lean-burn engine less than or equal to 500 horsepower, located at a major source. Now, let's discuss your requirements.

In order to demonstrate compliance with this rule, you must comply with the Spark Ignition New Source Performance Standards, as applicable, upon startup of the engine.

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You are subject to the SI NSPS, listed under 40 CFR 60 subpart JJJJ, if you own or operate a spark ignition engine which was constructed after June 12<sup>th</sup>, 2006 **and** manufactured on or after January 1<sup>st</sup>, 2008 if the engine is 500 horsepower, or July 1<sup>st</sup>, 2008 if the engine is less than 500 horsepower. For the purposes of this rule, the date that construction commences is the date the engine is ordered by the owner or operator. You are also subject to the SI NSPS if you own or operate a spark ignition engine that was modified or reconstructed after June 12<sup>th</sup>, 2006.

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If your engine is subject to the SI NSPS, you must meet the following requirements:

- For applicable emission limits, operating limits, testing requirements, and monitoring requirements, please refer to the table listed later in this module.
- You must meet all standards for the life of the engine.

Now let's discuss your fuel requirements. If your engine runs on gasoline, the gasoline must comply with the sulfur limit of 80 parts per million per gallon.

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If you have a certified engine:

- You must install, operate, and maintain the unit in accordance with the manufacturer's written instructions
- If you do not adhere to the manufacturer's instructions and your engine is greater than or equal to 100 horsepower, you must keep a maintenance plan and maintenance records, and operate the engine in accordance with good air pollution control practices. Failure to adhere to the manufacturer's instructions will also result in the requirement to perform an initial performance test. You are not required to conduct

subsequent performance testing unless the stationary engine is rebuilt or undergoes major repair or maintenance.

If your engine is not certified and is greater than 25 horsepower:

- You must keep a maintenance plan; and
- Conduct an initial performance test. You are not required to conduct subsequent performance testing unless the stationary engine is rebuilt or undergoes major repair or maintenance.

All engines subject to the SI NSPS are required to keep the following records:

- Documentation of certification (for example, the EPA Certificate of Conformity); and
- Records of engine maintenance.

You must submit an Initial Notification if you own or operate a non-certified engine that is equal to 500 horsepower.

A Notification of Intent to Conduct Performance Testing must be submitted 30 days prior to a performance test.

Results of performance testing must be submitted within 60 days of the test.

[Slide 7:]

This plate, mounted on an engine, shows proof of engine certification.

[Slide 8:]

In case you are not familiar with an EPA Certificate of Conformity, here's what it looks like.

[Slide 9:]

Please study this table to determine your applicable emission standards, importing and installing requirements, compliance requirements, testing requirements, reporting requirements, and general requirements.

[Slide 10:]

All notifications and reports should be sent to EPA Region 1 at the address shown here.

[Slide 11:]

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.

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Let's summarize your requirements under this rule.

- You must comply with the Spark Ignition New Source Performance Standards requirements, as applicable.
- Your engine must be in compliance with all requirements of this rule by the date shown on screen.