# RICE NESHAP Overview

Energy Solutions for Business February 16, 2012



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### Overview will provide:

- Brief regulatory background
  - RICE NESHAP (Reciprocating Internal Combustion Engines National Emissions Standards for Hazardous Air Pollutants)
  - NSPS (New Source Performance Standards)
- Compliance assistance contact information
- Additional information resources
- Key questions to determine RICE NESHAP and NSPS compliance requirements

### Background

- Purpose of NSPS and NESHAP: Reduce criteria and air toxic pollutants to provide improvements in protecting human health and the environment
- RICE NESHAP rule promulgated in phases
- Recent RICE NESHAP regulatory changes impact existing RICE located at area sources of HAP emissions
- RICE NESHAP Compliance Dates
  - May 3, 2013: Existing Stationary Compression Ignition RICE
  - October 19, 2013: Existing Spark Ignition RICE

### EPA's Small Business Websites



www.smallbiz-enviroweb.org



www.epa.gov/smallbusiness

Small Business Ombudsman

www.epa.gov/sbo

or 1-800-368-5888



### **EPA Program Contacts**



Melanie King

Agency EPA Program Lead

Contact: (RICE NESHAP,

NSPS Subparts IIII & JJJJ)

John DuPree

**EPA Compliance Lead** 

(RICE NESHAP)

Phone: (919) 541-2469

(919) 541-5450

E-mail: <u>king.melanie@epa.gov</u>

(202) 564-5950

NA

dupree.john@epa.gov

Fax:

# Hawaii State Department of Health Compliance Assistance Office

Address: 919 Ala Moana Boulevard, Room 219

Honolulu, Hawaii 96814

Phone: (808) 586-4528

Fax: (808) 586-7236

E-mail: <u>CAO@doh.hawaii.gov</u>



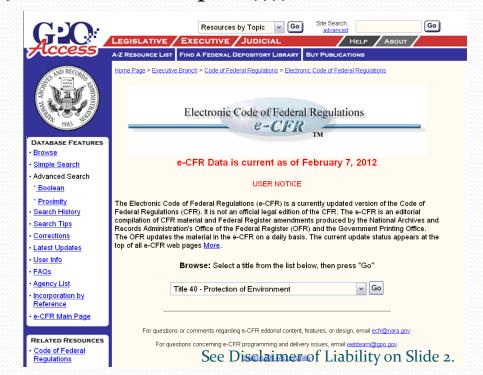
### e-CFR

• RICE NESHAP: Title 40, Part 63, Subpart ZZZZ (§§ 63.6580 – 63.6675)

• NSPS CI Engines: Title 40, Part 60, Subpart IIII (§§ 60.4200 – 60.4219)

• NSPS SI Engines: Title 40, Part 60, Subpart JJJJ

(§§ 60.4230 – 60.4248)



### EPA Rule Implementation and Info.

#### **RICE NESHAP:**

http://www.epa.gov/ttn/atw/rice/ricepg.html

NSPS CI Engines (Diesel Engines):

http://www.epa.gov/ttn/atw/nsps/cinsps/cinspspg.html

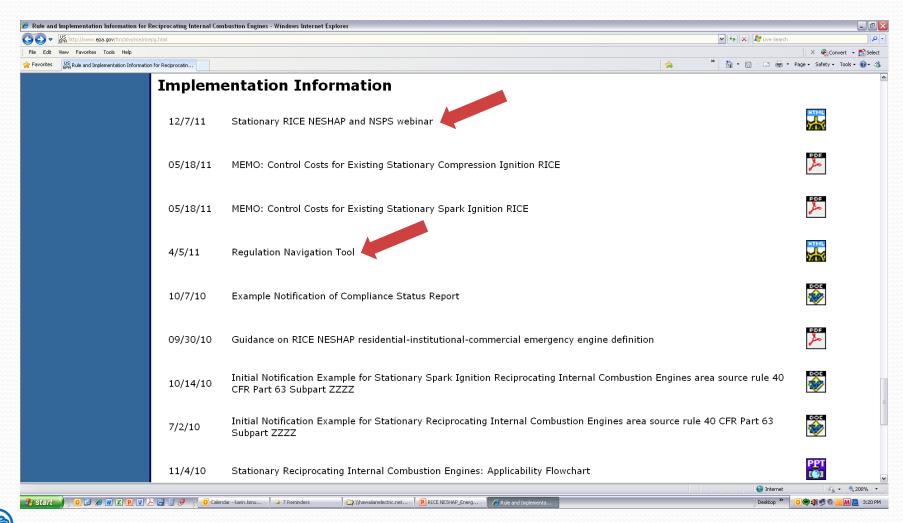
#### **NSPS SI Engines:**

http://www.epa.gov/ttn/atw/nsps/sinsps/sinspspg.html

- Rule Information
- Technical Information
- Fact Sheets
- Implementation Information

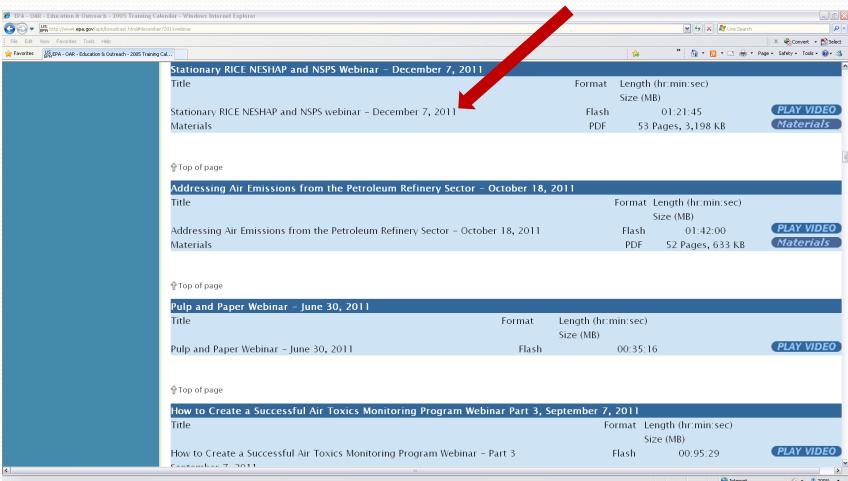


### Implementation Information



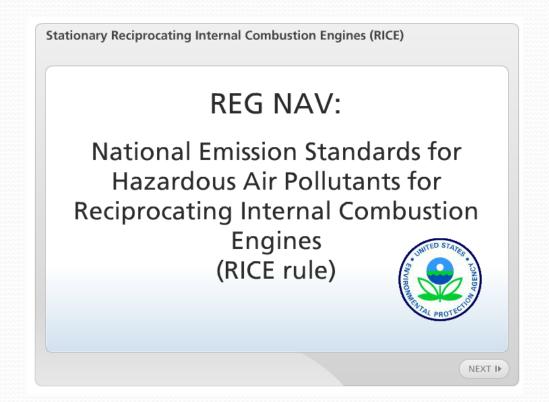
# EPA Air Pollution Training Institute RICE NESHAP & NSPS Webinar

http://www.epa.gov/apti/broadcast.html#december72011webinar



### Regulation Navigation Tool

http://www.epa.gov/ttn/atw/rice/output/quiz.html



### **Key RICE NESHAP Questions**

- Major or Area Source of HAP Emissions?
- New, Reconstructed, or Existing Stationary RICE
- Engine Use?
  - Non-emergency
  - Limited Use
  - Black Start
  - Emergency

(*Note:* RICE NESHAP and NSPS definitions of emergency engine are not the same)

- Engine Type?
  - Compression Ignition
  - Spark Ignition



# RICE NESHAP Compliance Requirements Non-Emergency RICE

- Emission Limits
  - Limit carbon monoxide or formaldehyde
  - Dependent on engine type and power
  - Pollution controls may be necessary
- Ultra Low Sulfur Diesel (ULSD) for certain compression ignition RICE
- Periodic performance testing
- Notification and recordkeeping



# RICE NESHAP Compliance Requirements Emergency RICE

- Emergency stationary RICE subject to fewer compliance requirements
- Existing emergency stationary RICE must comply with requirements in § 63.6640(f) which includes:
  - Limit of 15 hours per year as part of an emergency demand response (DR) program

    (Note: NCDC does not allow any energian as nort of an emergency
    - (Note: NSPS does not allow any operation as part of an emergency DR program)
- EPA to revise RICE NESHAP and NSPS to increase DR limit to 60 hours
  - Proposed rules by April 20, 2012
  - Final rules by December 14, 2012

## **Key NSPS Questions**

- Date construction commenced?
- New, Modified, or Reconstructed Stationary RICE?
- Engine Use?
  - Non-emergency
  - Emergency

(Note: RICE NESHAP and NSPS definitions of emergency engine

are not the same)

- Engine Type?
  - Compression Ignition
  - Spark Ignition
- Other Engine Information
  - Model Year
  - Engine Power
  - Displacement

### **NSPS Compliance Requirements**

- Dependent on answers to key questions
- Emission limits
  - Dependent on engine model year, type, and power
  - Pollution controls may be necessary
- Fuel sulfur limits for certain engines
- Notification and recordkeeping

### Questions?

Agency Contact:

Melanie King
EPA Program Lead
(RICE NESHAP,
NSPS Subparts IIII & JJJJ)

John DuPree EPA Compliance Lead (RICE NESHAP) Hawaii State Dept. of Health Compliance Assistance Office 919 Ala Moana Blvd., Rm. 219 Honolulu, HI 96814

Phone:

(919) 541-2469

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CAO@doh.hawaii.gov

