

# IC Engine Permitting in North Carolina

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Permitting Section

# Permit Exemptions

- 15A NCAC 02Q .0102
- (c)(1) activities exempted because of category:
- (L) miscellaneous:
  - (i) motor vehicles, aircraft, marine vessels, locomotives, tractors or other self-propelled vehicles with internal combustion engines;
  - (ii) non-self-propelled non-road engines, except generators, regulated by rules adopted under Title II of the Federal Clean Air Act (Generators are required to be permitted under 15A NCAC 02Q .0300 unless they qualify for another exemption under this Paragraph.);
  - (iii) portable generators regulated by rules adopted under Title II of the Federal Clean Air Act;

# Permit Exemptions (cont'd)

- (c)(2) activities exempted because of category:
- (B) combustion and heat transfer equipment:
  - (v) emergency use generators and other internal combustion engines not regulated by rules adopted under Title II of the Federal Clean Air Act, except self-propelled vehicles, that have a rated capacity of no more than:

# Permit Exemptions (cont'd)

- (c)(2)(B)(v) cont'd
  - (I) 680 kilowatts (electric) or 1000 horsepower for natural gas-fired engines;
  - (II) 1800 kilowatts (electric) or 2510 horsepower for liquefied petroleum gas-fired engines;
  - (III) 590 kilowatts (electric) or 900 horsepower for diesel-fired or kerosene-fired engines; or
  - (IV) 21 kilowatts (electric) or 31 horsepower for gasoline-fired engines;
  - (Self-propelled vehicles with internal combustion engines are exempted under Subpart (1)(c)(L)(i) of this Paragraph.)

## Permit Exemptions (cont'd)

- (vi) portable generators and other portable equipment with internal combustion engines not regulated by rules adopted under Title II of the Federal Clean Air Act, except self-propelled vehicles, that operate at the facility no more than a combined 350 hours for any 365-day period provided the generators or engines have a rated capacity of no more than 750 kilowatt (electric) or 1100 horsepower each and provided records are maintained to verify the hours of operation (Self-propelled vehicles with internal combustion engines are exempted under Subpart (1)(c)(L)(i) of this Paragraph.);
- (vii) peak shaving generators that produce no more than 325,000 kilowatthours of electrical energy for any 12-month period provided records are maintained to verify the energy production on a monthly basis and on a 12-month basis;

# Permit Exemptions (cont'd)

- Exemptions to the Exemptions (Need a permit.)
  - NSPS, Part 61 NESHAPS, Part 63 MACTs, PSD, etc.
- Exemptions to the Exemptions to the Exemptions (Just kidding! Don't need a permit.)
  - NSPS Subpart Dc, Kx ..., Part 61 asbestos demolition, etc.
  - Rulemaking underway to create an Exemption to the Exemption to the Exemption for IC engines regulated by NSPS and MACT

# Current DAQ Policy

- Cell tower memo
  - January 24, 2007
- Temporary engines (and boilers)

# The Future

- Changes to exemptions (as previously discussed)
  - Additionally reevaluation of size cutoffs for newer engines
- Air Quality Committee discussion of combustion sources under the air toxics program
- EPA Flexible Permitting Rule
  - Similar to our temporary unit permitting