



Maine Engine Regulations

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April 25 and May 2, 2013

MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION

Protecting Maine's Air, Land and Water

Presentation Overview

- Ch. 148
- Fuel Sulfur Regulations
- Licensing
- Key Points



Chapter 148

Emissions from Smaller Scale Electric Generating Resources

- Applies to non-mobile generators having a capacity equal or greater than 50 kilowatts installed on or after January 1, 2005
- Applies only to generators at sources that **do not** have a air emission license
- Sulfur limit of 15 ppm (0.0015%)
- Emergency – Limits generators to 500 hours/year to maintenance, testing and emergencies. (50 hours Max for maintenance & testing)
- Non-emergency – emission requirements, see manufacturer's spec sheet
- Certification demonstration by California Air Resources Board, by supplier/manufacturer, by owner/operator
- Registration – <http://www.maine.gov/dep/air/permits/smscale.html>



Sulfur Content of Fuel

38 MRSA §603-A(2)(A)(3),

- Prior to January 1, 2016 maximum sulfur content of 0.5% by weight
- Beginning January 1, 2016 maximum sulfur content limit of 0.005% by weight (50 ppm)
- Beginning January 1, 2018 a maximum sulfur content limit of 0.0015% by weight (15 ppm)

Federal Sulfur Regulations

- Subpart IIII – most new engines have a sulfur limit of 15ppm (already in effect)
- Subpart ZZZZ –
 - emergency demand response, beginning 2015, 15ppm;
 - non emergency > 300 HP, 15ppm (already in effect)



Do You Need An Air Emission License?

- Regulated pollutant emissions greater than 10 lb/hour or 100 lb/day (Particulate Matter – Dust)
- Total fuel burning equipment greater than 10 MMBtu/hr (fuel burning equipment >1MMBtu/hr and engines >0.5MMBtu/hr)
- Total Stationary Internal Combustion Engines more than 5 MMBtu/hr (engines > 0.5 MMBtu/hr)
- <http://www.maine.gov/dep/air/permits/minor.html>



Key Points

- If you already have a license and are planning to replace licensed equipment, contact us at 207-287-2437
- Stationary vs. Portable
- An emergency engine used for more than the hours allowed becomes a non-emergency engine
- Emergency engines still have work practices
- Area Sources with stationary non-emergency diesel engines > 300 hp need controls and crankcase ventilation or open crankcase filtration emission control system
- Notifications...



Addresses

U.S. EPA Region 1
Attn: Air Clerk
5 Post Office Square, Suite 100
Mail code: OES04-2
Boston MA 02109-3912

State of Maine – DEP
Attn: Lisa Higgins
Bureau of Air Quality Control
State House, Station # 17
Augusta, ME 04330



For More Information

- EPA's website at www.epa.gov/region1/rice
- Maine's website
<http://www.maine.gov/dep/air/toxics/rice.html>
- EPA – Susan Lancey (617)-918-1656
DEP – Lisa Higgins (207)-287-7023





www.maine.gov/dep