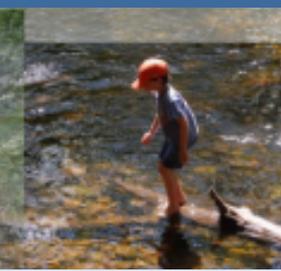
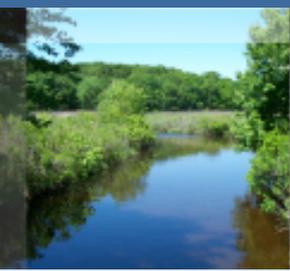




Connecticut Department of Energy and Environmental Protection



Connecticut Department of
**ENERGY &
ENVIRONMENTAL
PROTECTION**

Ozone Season Restriction Reminder

June 6, 2019

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SIPRAC



Connecticut Department of Energy and Environmental Protection

Operating Restrictions-22a-174-22e(d)(14) and 22f(d)(2)

The owner or operator of an emergency engine shall not operate the emergency engine for routine, scheduled testing or maintenance on any day for which the commissioner has forecast that ozone levels will be "moderate to unhealthy for sensitive groups" or greater. If, subsequent to the initial forecast of "moderate to unhealthy for sensitive groups" or greater, the forecast is revised to "moderate" or lower, the owner or operator is no longer prohibited from operating the engine for routine, scheduled testing or maintenance for the remainder of that day.



An owner or operator of an emergency engine may rely on an ozone forecast of "moderate" or lower obtained after 3 p.m. on the preceding day. Subsequent changes to the ozone forecast after 3 p.m. that forecast ozone levels of "moderate to unhealthy for sensitive groups" or greater shall not obligate the owner or operator to refrain from operation of the emergency engine at the facility on the following day. The commissioner may exempt, by permit or order, the owner or operator of an emergency engine from this subdivision if such emergency engine is unattended and the testing is automated and cannot be modified from a remote location.



Emergency Engines— Applicability 22e and 22f

22a-174-22e(b): reciprocating engine with a maximum rated capacity of 3 MMBtu/hr or more and located at a major stationary source of NO_x (50/25 TPY)

22a-174-22f(b)(2): Located at a Non-major source- fuel specific thresholds basically equivalent to 137/274 #/day potential to emit.



Emergency Engines– Definition 22a-174-22e(a)

(13) "Emergency engine" means a stationary reciprocating engine or a combustion turbine that is used as a means of providing mechanical or electrical power only during the following periods:

- (A) Emergencies;
- (B) Testing;
- (C) Scheduled maintenance;



Emergency Engines—Definition 22a-174-22e(a) cont'

(D) When the facility owner or operator interrupts power to the facility to perform construction, maintenance or repair of the power distribution system for the facility or portion of the facility; or

(E) When the electricity supplier makes a scheduled interruption of power to the facility so that the electricity supplier may perform construction, maintenance or repair of the primary power distribution system for the facility.



Emergency Engines—Definition 22a-174-22e(a) cont'

With the exception of a reciprocating engine or combustion turbine operated pursuant to subparagraph (E) of subdivision (12) of subsection (a) of this section, "emergency engine" does not include a reciprocating engine or combustion turbine for which the owner or operator is a party to any other agreement to sell electrical power from such reciprocating engine or combustion turbine to an electricity supplier, or otherwise receives any reduction in the cost of electrical power for agreeing to produce power during periods of reduced voltage or reduced power availability.



Emergency- Definition 22a-174-22e(a)

(12) "Emergency" means an unforeseeable condition that is beyond the control of the owner or operator of an emergency engine that:

(A) Results in an interruption of electrical power from the electricity supplier to the premises;

(B) Results in a deviation of voltage from the electricity supplier to the premises of three percent (3%) above or five percent (5%) below standard voltage in accordance with section 16-11-115 of the RCSA;

(C) Requires an interruption of electrical power from the electricity supplier to the premises enabling the owner or operator to perform emergency repairs;



Emergency- Definition 22a-174-22e(a) cont'

(D) Requires operation of the emergency engine to minimize damage from fire, flood, or any other catastrophic event, natural or man-made; or

(E) Requires operation of the emergency engine under an agreement with the New England region system operator during the period of time the New England region system operator is implementing voltage reductions or involuntary load interruptions within the Connecticut load zone in accordance with Action 6 of the ISO New England Operating Procedure No. 4 - Action During a Capacity Deficiency, effective June 24, 2015, or subsequent revisions thereto.



What's Routine?

Examples:

- Manufactures recommended maintenance (every certain number of hours)
- Monthly or weekly periodic testing as required by insurance/fire code NFPA 110 chapter 8 etc.



Who is Exempt from the operating restriction?

22a-174-22e(c)(3)Any reciprocating engine that is:

- (A) Used to test or provide emergency power or alternative power for safety-related structures, systems and components or other Nuclear Regulatory Commission-mandated systems at an electric generating facility licensed under 10 CFR 50; or
- (B) Located at a hospital or other health care facility and used to meet standards of The Joint Commission or the National Fire Protection Association for emergency electrical power systems.



Who is Exempt from the operating restriction?

22e(c)(5)(E)

If an owner or operator operates a model year 2013 or later emergency engine in compliance with the NO_x emissions standards of 40 CFR 1039, Subpart B, such engine is exempt from the restriction of subsection (d)(14) of this section.



- Web- DEEP->Environmental Quality-> Air-> Air Quality and Health Effects-> Connecticut Daily AQI



- By email-[DEEP Ozone Forecast listserv](#)
–[EnviroFlash](#)



RICE MACTS

<http://www.epa.gov/region1/rice/>



Connecticut Department of Energy and Environmental Protection

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