



# National Emission Standards for Hazardous Air Pollutants for Stationary Combustion Turbines (Subpart YYYYY); Amendments

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# Amendments

- ▶ On March 9, 2022, the U.S. EPA removed a stay of formaldehyde standards in NESHAP Subpart YYYYY for Stationary Combustion Turbines located at major sources of HAP emissions (87 FR 13183)
- ▶ Stay applied to two subcategories of turbines
  - ▶ New lean premix gas-fired turbines
  - ▶ New diffusion flame gas-fired turbines
- ▶ New or reconstructed = commenced construction/reconstruction of the stationary combustion turbine after January 14, 2003
- ▶ Lean premix gas-fired turbine and diffusion flame gas-fired turbine are defined in the regulation
- ▶ Effective Date of Rule: March 9, 2022

# Compliance Demonstration (§§ 63.6110 & 63.6115)

Initial performance test must be conducted within 180 calendar days of the effective date of rule, March 9, 2022 => Deadline September 5, 2022

Subsequent performance tests must be conducted annually

# Test Requirements (§ 63.6120)

- ▶ Emissions Limit:  $\leq 91$  ppbvd @15% O<sub>2</sub>
- ▶ Test Methods: Table 3 to Subpart YYYY
  - ▶ Formaldehyde concentration must be corrected to 15% O<sub>2</sub>, dry basis
  - ▶ Sampling site must be located at the outlet of the air pollution control device, if an APCE is present
  - ▶ O<sub>2</sub> and Moisture must be measured at the same time as the performance test
- ▶ Operating Load: at high load, defined as 100% +/- 10%
- ▶ Three Test Runs and each test run must be at least 1 hour

# Required Test Program Notifications/ Reports

- ▶ A notification of intent to test for an initial performance test: at least 60 calendar days before the scheduled initial performance test date as required in § 63.7(b)(1). Required to be sent to both EPA and DEEP:
  1. CT DEEP => [DEEP.SEM@ct.gov](mailto:DEEP.SEM@ct.gov);
  2. Air Compliance Clerk US EPA Region I Air Technical Unit => [Schwartz.Sandra@epa.gov](mailto:Schwartz.Sandra@epa.gov)
- ▶ Performance test results (and a NOCS) must be submitted before the close of business on the 60th calendar day following the completion of the performance test to both EPA and DEEP:
  1. CEDRI (<https://cdx.epa.gov/>) as specified in §§ 63.6150(f)(1) thru (3); and
  2. SEM Compliance Certification Form for Emissions Test Results

# Questions Welcome – May Require Time

- ▶ Questions may be e-mailed to: [cinda.Lautenschlegar@ct.gov](mailto:cinda.Lautenschlegar@ct.gov)
  - Subject Line => “YYYY Test Questions”
- ▶ Some sources have already sent questions, which have been collated and forwarded to EPA