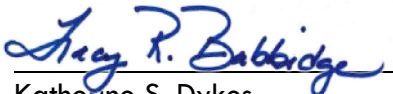


**BUREAU OF AIR MANAGEMENT
NEW SOURCE REVIEW PERMIT
TO CONSTRUCT AND OPERATE A STATIONARY SOURCE**

Issued pursuant to Title 22a of the Connecticut General Statutes (CGS) and Section 22a-174-3a of the Regulations of Connecticut State Agencies (RCSA).

Owner/Operator	Wallingford Energy, LLC
Address	115 John Street, Wallingford, CT 06492
Equipment Location	115 John Street, Wallingford, CT 06492
Equipment Description	Cleaver Brooks Boiler (EU-6) Model CB(LE) 1700-750-125
Town-Permit Numbers	189-0199
Premises Number	114
Stack Number	6
Modification Issue Date	January 21, 2026
Prior Permit Issue Dates	December 17, 2007 June 5, 2001
Expiration Date	None

for 
Katherine S. Dykes
Commissioner

January 21, 2026
Date

This permit specifies necessary terms and conditions for the operation of this equipment to comply with state and federal air quality standards. The Permittee shall at all times comply with the terms and conditions stated herein.

PART I. DESIGN SPECIFICATIONS

A. General Description

Wallingford Energy, LLC operates a nominally rated 350 megawatt (MW) simple cycle combustion turbine power plant in Wallingford, Connecticut. The facility consists of seven 50 MW General Electric LM6000 Simple Cycle Jet Turbines, one 30.617 MMBtu/hr Cleaver Brooks Boiler and one 560kW Black Start Diesel generator. The combustion turbines and boiler burn only natural gas.

B. Equipment Design Specifications

1. Fuel Type: Natural Gas
2. Maximum Fuel Firing Rate: ft³/hr: 30,017
3. Maximum Gross Heat Input (MMBTU/hr): 30.617

C. Control Equipment Design Specifications

None

D. Stack Parameters

1. Minimum Stack Height (ft): 40
2. Minimum Exhaust Gas Flow Rate (acfm): 8,000
3. Minimum Stack Exit Temperature (°F): 200
4. Minimum Distance from Stack to Nearest Property Line (ft): 48.7

PART II. OPERATIONAL CONDITIONS

A. Equipment

1. Maximum Fuel Consumption over any Consecutive 12 Month Period: 13,892,125 ft³
2. Maximum Fuel Sulfur Content (% by weight, dry basis): 0.0015 %

B. Control Equipment

1. None

PART III. ALLOWABLE EMISSION LIMITS

The Permittee shall not cause or allow this equipment to exceed the emission limits stated herein at any time.

A. Criteria Pollutants

Pollutant	lb/hr	lb/MM BTU	tpy
PM	0.3070	0.0100	0.0695
PM ₁₀	0.3070	0.0100	0.0695
PM _{2.5}	0.3070	0.0100	0.0695
SO ₂	0.0307	0.0010	6.95E-03
NO _x	1.0800	0.0350	0.2430
VOC	0.4900	0.0160	0.1110
CO	1.1400	0.0370	0.2570

B. Hazardous Air Pollutants

This equipment shall not cause an exceedance of the Maximum Allowable Stack Concentration (MASC) for any hazardous air pollutant (HAP) emitted and listed in RCSA Section 22a-174-29. [STATE ONLY REQUIREMENT]

C. Opacity

This equipment shall not exceed 10% opacity during any six minute block average as measured by 40 CFR 60, Appendix A, Reference Method 9.

D. Demonstration of compliance with the above emission limits may be met by calculating the emission rates using emission factors from the following sources:

- Manufacturer Data
- AP-42 5th edition tables 1.4-1 through 1.4-4 (July 1998)

The commissioner may require other means (e.g. stack testing) to demonstrate compliance with the above emission limits, as allowed by state or federal statute, law or regulation.

PART IV. MONITORING, RECORD KEEPING AND REPORTING REQUIREMENTS

A. Monitoring

1. The Permittee shall use an individual fuel metering device or billing meter to continuously monitor fuel feed to the boiler.
2. The Permittee shall comply with the applicable monitoring requirements pursuant to RCSA Section 22a-174-22e.

B. Record Keeping

1. The Permittee shall keep records of monthly and consecutive 12 month natural gas consumption. The consecutive 12 month natural gas consumption shall be determined by adding the current month's natural gas consumption to that of the previous 11 months. The Permittee shall make these calculations within 30 days of the end of the previous month.
2. The Permittee shall calculate and record the monthly and consecutive 12 month PM, PM₁₀, PM_{2.5}, SO₂, NO_x, VOC, and CO emissions in units of tons. The consecutive 12 month emissions shall be determined by adding (for each pollutant) the current month's emissions to that of the previous 11 months. Such records shall include a sample calculation for each pollutant. The Permittee shall make these calculations within 30 days of the end of the previous month.
3. The Permittee shall comply with the applicable record keeping requirements pursuant to RCSA Section 22a-174-22e.
4. The Permittee shall keep all records required by this permit for a period of no less than five years and shall submit such records to the commissioner upon request.

PART V. STACK EMISSION TEST REQUIREMENTS

Stack emission testing shall be performed in accordance with the Emission Test Guidelines available on the DEEP website at www.ct.gov/deep/stacktesting.

The Permittee shall conduct applicable stack testing for NO_x pursuant to RCSA §22a-174-22e.

Recurrent stack testing shall be conducted within every 63 calendar months following the date the previous emission test was conducted or the date the previous emission test was required to be conducted, whichever is earlier.

Stack testing results shall be submitted within 60 days after completion of testing.

Stack test results shall be reported in units of lb/hr and lb/MMBtu.

PART VI. PREMISES-WIDE REQUIREMENTS

Notwithstanding the annual individual air pollutant limit for each turbine or boiler, the premises' emissions from the following permitted emission units, Permit Numbers: 189-0194, 189-0195, 189-0196, 189-0197, 189-0198, 189-0199, and the Black Start Generator operating pursuant to RCSA §22a-174-3b shall not exceed the following limits. The total PM/PM-10/PM-2.5 emissions shall not exceed 121.747 TPY, the total SO_x emissions shall not exceed 13.255 TPY, the total NO_x emissions shall not exceed 48.223 TPY, the total VOC shall not exceed 49.611 TPY, and the total CO emissions shall not exceed 169.697 TPY. Demonstration of compliance with each respective annual premises-wide limit shall be enforced on a rolling 12 month basis.

PART VII. OPERATION AND MAINTENANCE REQUIREMENTS

- A.** The Permittee shall operate and maintain this equipment in accordance with the manufacturer's specifications and written recommendations.

PART VIII. SPECIAL REQUIREMENTS

- A.** The Permittee shall comply with all applicable sections of the following New Source Performance Standard(s) at all times.

Title 40 CFR Part 60, Subparts Dc and A

Copies of the Code of Federal Regulations (CFR) are available online at the U.S. Government Printing Office website.

B. Premises Emissions Summary

1. On January 1st of each calendar year, if the potential emissions of NO_x or VOC from the premises are equal to or greater than 25 tons per year per pollutant, then for such pollutant(s), the Permittee shall:
 - a. Monitor NO_x and/or VOC emissions, as applicable, from the premises for such calendar year.
 - b. Calculate and record annual NO_x and/or VOC emissions, as applicable, from the premises for such calendar year, in units of tons. The Permittee shall make these calculations on or before February 1st of the following year with respect to the previous calendar year. Such records shall include a sample calculation(s).
 - c. If actual NO_x and/or VOC emissions, as applicable, from the premises are equal to or greater than 25 tons for such calendar year, the Permittee shall submit to the commissioner, on or before March 1st of the following year, an annual emissions summary with respect to the premises for the previous calendar year. Such summary shall be submitted on forms prescribed or provided by the commissioner.

2. A Permittee is exempt from Part VII.C.1 requirements of this permit if, on January 1st of the subject year, the premises was operating in accordance with any of the following:
 - a. A valid Title V permit issued pursuant to RCSA section 22a-174-33;
 - b. RCSA section 22a-174-33a; or
 - c. RCSA section 22a-174-33b

- C.** The Permittee shall not cause or permit the emission of any substance or combination of substances which creates or contributes to an odor beyond the property boundary of the premises that constitutes a nuisance as set forth in RCSA Section 22a-174-23. [STATE ONLY REQUIREMENT]

PART IX. ADDITIONAL TERMS AND CONDITIONS

- A.** This permit does not relieve the Permittee of the responsibility to conduct, maintain and operate the regulated activity in compliance with all applicable requirements of any federal, municipal or other state agency. Nothing in this permit shall relieve the Permittee of other obligations under applicable federal, state and local law.
- B.** Any representative of DEEP may enter the Permittee's site in accordance with constitutional limitations at all reasonable times without prior notice, for the purposes of inspecting, monitoring and enforcing the terms and conditions of this permit and applicable state law.
- C.** This permit may be revoked, suspended, modified or transferred in accordance with applicable law.

- D.** This permit is subject to and in no way derogates from any present or future property rights or other rights or powers of the State of Connecticut and conveys no property rights in real estate or material, nor any exclusive privileges, and is further subject to any and all public and private rights and to any federal, state or local laws or regulations pertinent to the facility or regulated activity affected thereby. This permit shall neither create nor affect any rights of persons or municipalities who are not parties to this permit.
- E.** Any document, including any notice, which is required to be submitted to the commissioner under this permit shall be signed by a duly authorized representative of the Permittee and by the person who is responsible for actually preparing such document, each of whom shall certify in writing as follows: "I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that any false statement made in the submitted information may be punishable as a criminal offense under section 22a-175 of the Connecticut General Statutes, under section 53a-157b of the Connecticut General Statutes, and in accordance with any applicable statute."
- F.** Nothing in this permit shall affect the commissioner's authority to institute any proceeding or take any other action to prevent or abate violations of law, prevent or abate pollution, recover costs and natural resource damages, and to impose penalties for violations of law, including but not limited to violations of this or any other permit issued to the Permittee by the commissioner.
- G.** Within 15 days of the date the Permittee becomes aware of a change in any information submitted to the commissioner under this permit, or that any such information was inaccurate or misleading or that any relevant information was omitted, the Permittee shall submit the correct or omitted information to the commissioner.
- H.** The date of submission to the commissioner of any document required by this permit shall be the date such document is received by the commissioner. The date of any notice by the commissioner under this permit, including but not limited to notice of approval or disapproval of any document or other action, shall be the date such notice is personally delivered or the date three days after it is mailed by the commissioner, whichever is earlier. Except as otherwise specified in this permit, the word "day" means calendar day. Any document or action which is required by this permit to be submitted or performed by a date which falls on a Saturday, Sunday or legal holiday shall be submitted or performed by the next business day thereafter.
- I.** Any document required to be submitted to the commissioner under this permit shall, unless otherwise specified in writing by the commissioner, be directed to: Office of Director; Enforcement Division; Bureau of Air Management; Department of Energy and Environmental Protection; 79 Elm Street, 5th Floor; Hartford, Connecticut 06106-5127.