

DOCKET 64A - AN APPLICATION FOR AN AMENDMENT : Connecticut
TO THE CERTIFICATE OF ENVIRONMENTAL COMPAT- :
IBILITY AND PUBLIC NEED ISSUED IN DOCKET 64 : Siting
TO THE DEXTER CORPORATION FOR THE CONSTRUCTION, : Council
MAINTENANCE, AND OPERATION OF A 48.5 MW :
COGENERATION FACILITY LOCATED IN :
WINDSOR LOCKS, CONNECTICUT. May 19, 1988

DECISION AND ORDER

Pursuant to the foregoing Opinion, the Connecticut Siting Council hereby directs that an Amended Certificate of Environmental Compatibility and Public Need, as provided by section 16-50k and 16-50l of the Connecticut General Statutes (CGS) be issued to the Dexter Corporation (Dexter) to construct, maintain, and operate a cogeneration facility in Windsor Locks, Connecticut.

The facility shall be constructed, maintained, and operated substantially as specified in the Council's record in this matter, and subject to the following conditions.

1. Conditions

- a) The construction and operation of the facility shall be in accordance with all applicable federal, state, and municipal laws, regulations, and ordinances.
- b) The exhaust stack is to be the lowest height technically possible to facilitate adequate exhaust dispersion without downwash conditions, as determined by the Connecticut Department of Environmental Protection (DEP).
- c) This Certificate will be void if all construction authorized herein is not completed by December 1991.

2. Notifications

The Certificate Holder shall notify the Council of the following:

- a) commencement of construction;
- b) commencement of testing;
- c) commencement of operation; and
- d) intent to terminate operations one year prior to such termination of operations.

3. Development and Management Plan

The Certificate Holder shall submit the following plans as part of an overall Development and Management Plan for Council approval, modification, or denial within 30 days of the Council's receipt of such plans. The Certificate Holder may consult with Council staff in the preparation thereof.

- a) A finalized erosion and sedimentation control plan to include provisions for riverbank stabilization and to minimize sedimentation into the Connecticut River. The plans shall identify the placement, use, and removal of all control measures.
- b) A riverbank landscaping plan showing trees to be removed, trees to remain, and proposed landscaping.
- c) A baseline measurement and monitoring plan for biochemical oxygen demand (BOD), dissolved oxygen (DO), thermal plume dimensions, impingement and entrainment of organisms, fish passage zones, fish spawning beds, fish spawning levels, and fish populations. The plan is to include a measurement and monitoring schedule and a description of how data will be analyzed.
- d) Standards for the maximum amount of fish impingement and entrainment to be permitted and a contingency plan, including design criteria, for the installation of fish removal equipment on the cooling water intake grate for the live removal of impinged fish if such standards are exceeded.
- e) Standards for the maximum BOD level and thermal plume dimensions to be permitted and a contingency plan for mitigation if such standards are exceeded. Mitigation measures may include, but are not limited to the following:
 - reduction of operation levels;
 - installation of alternative cooling equipment;
 - or
 - installation of aeration devices.
- f) A reporting mechanism to alert the Council and other interested organizations or government agencies in the event that standards established as part of the plan are exceeded.

4. Reports

The Certificate Holder shall provide the following reports to the Council and may consult with Council staff in the preparation thereof.

- a) A quarterly progress report, starting with the commencement of construction and ending with the commencement of facility operations.
- b) Documentaion of compliance with state and local noise regulations, due no later than six months after commencement of operation. Documentation is to be in the form of ambient day and nighttime testing conducted under normal operating conditions no sooner than one month after commencement of operations.
- c) A first year operating report, to be submitted to the Council within three months after the conclusion of the first year of operation, to include:
 1. quantities of fuel used,
 2. percentages and number of days when fuel oil was used,
 3. overall and daily average of electricity output,
 4. overall and daily average of steam output,
 5. range and daily overall average of facility efficiency, and
 6. overall condition and reliability of the facility.
- d) An annual report describing and documenting
 - 1) instances in which standards established as part of the development and management plan were exceeded, and
 - 2) actions taken in response.

5. Permits

The Certificate Holder shall provide to the Council when available:

- a) the final approved air emission permits; and
- b) the final approved DEP water compliance permits.

Pursuant to Section 16-50p of the CGS, we hereby direct that a copy of the Opinion and Decision and Order shall be served on each person listed below and that a notice of the issuance shall be published in the Hartford Courant.

William F. Fitzpatrick
Vice President
Purchasing and Administration
C.H. Dexter Division
The Dexter Corporation
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Windsor Locks, CT 06096

(Applicant)

David Silverstone
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227 Lawrence Street
Hartford, CT 06106

(Its Attorney)

Ms. Laurie Hunt
Independent Energy Corporation
255 Main Street
Hartford, CT 06106

(Representative)

Mr. Richard Atkins
Environmental Risk Limited
120 Mountain Avenue
Bloomfield, CT 06002

(Representative)

The Connecticut Light & Power Company

(Intervenor)

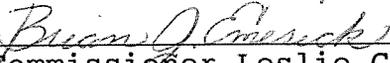
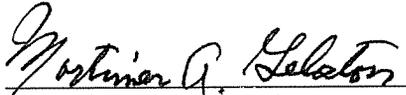
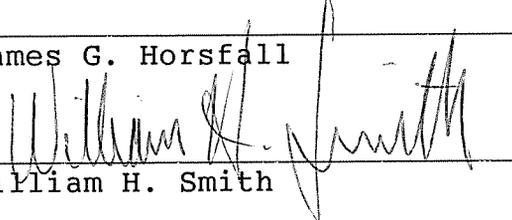
Mr. Philip M. Small, Counsel
The Connecticut Light & Power Company
P.O. Box 270
Hartford, CT 06106

(Its Attorney)

CERTIFICATION

The undersigned members of the Connecticut Siting Council hereby certify that they have heard this case in Docket 64A or read the record thereof, and that we voted as follows:

Dated at New Britain, Connecticut the 19th day of May, 1988.

<u>Council Members</u>	<u>Vote Cast</u>
 Gloria Dibble Pond Chairperson	Yes
 Commissioner Peter Boucher Designee: Roland Miller	Yes
 Commissioner Leslie Carothers Designee: Brian Emerick	Yes
 Mortimer A. Gelston	Yes
James G. Horsfall	Absent
 William H. Smith	Yes
Colin C. Tait	Absent
Daniel P. Lynch, Jr.	Absent