

DOCKET NO. 27

AN APPLICATION OF THE UNITED ILLUMINATING : CONNECTICUT SITING
COMPANY FOR A CERTIFICATE OF ENVIRONMENTAL :
COMPATIBILITY AND PUBLIC NEED FOR THE : COUNCIL
MODIFICATION OF BRIDGEPORT HARBOR UNIT NO. :
3 TO CAPABILITY TO BURN EITHER LOW-SULFUR :
COAL OR OIL. : January 11, 1983

D E C I S I O N A N D O R D E R

Based on the foregoing, the application of the United Illuminating Company to modify their existing electric generating unit number 3 at the Bridgeport Harbor Station (BH3) is hereby granted. A certificate of environmental compatibility and public need, as required by section 16-50k of the General Statutes of Connecticut, revisions of 1958, revised to 1981, as amended, shall be issued, subject to the following terms, limitations, and conditions.

1. Definitions. For the purpose of this order,
 - a) certified coal capacity shall mean the maximum coal-fired capacity of BH3, operated under normal operating conditions and under the terms of this order, at which the total suspended particulate (TSP) emissions rate does not exceed 0.06 pounds per 10^6 Btu, the NO_x emissions rate does not exceed 0.6 pounds per 10^6 Btu, and the SO_2 emissions rate does not exceed 1.1 pounds per 10^6 Btu, and
 - b) completion of conversion shall mean the Council's approval of the final report required in this order.
2. Conditions.
 - a) The facility shall be modified as proposed in the application and in the Council's record on the application, except as otherwise specified in these orders.
 - b) Coal-fired generation at BH3 shall not exceed the certified coal capacity defined above; oil-fired generation is not

limited by this order.

- c) The construction project and facility operation shall be in accordance with all applicable federal, state, and municipal laws, regulations, and ordinances.
- d) The dust and noise controls, and the coal pile run-off collection system shall be constructed and used as proposed.
- e) The certificate holder shall perform the equipment installations, adjustments, or improvements necessary, including flue gas conditioning, and operate the facility under normal operating conditions at the certified coal capacity.
- f) The certificate holder shall apply a crusting agent to the reserve coal pile and maintain a cover on the reserve coal pile consisting of straw and bitumen seeded with grass.
- g) This certificate will be void if all construction authorized herein is not completed by January 11, 1986.

3. Development and Management Plan. The certificate holder shall, prior to the commencement of construction, submit for the Council's approval a Development and Management Plan, (D&M) consisting of

- a) a site plan showing new and modified access roads, locations of new and relocated equipment and buildings; temporary buildings to be removed; and location and type of landscaping,
- b) a schedule of construction activity, including proposed commencement of construction,
- c) a schedule for the establishment and completion of the active and reserve coal pile, and the reserve coal pile cover.

- d) a detailed plan, including engineering and environmental analysis, for an on-site ash storage area,
- e) a copy of the final electrostatic precipitator guarantee selected, including guaranteed TSP emission rate at 250 MW, and at each 25 MW increment up to 400 MW.

In preparing the D&M plan, the applicant may consult with Council staff. The Council shall approve, modify, or disapprove the D&M plan within 30 days of filing.

4. Notifications. The certificate holder shall provide the following notifications to the Council:

- a) notice two weeks prior to the commencement of coal delivery;
- b) notice of completion of the reserve coal pile; and
- c) notice two weeks prior to the commencement of coal test burns.

5. Reports. The certificate holder shall provide the following reports to the Council, which reserves the right to require additional monitoring studies as it may deem necessary and consistent with this order:

- a) in each calendar quarter, commencing three months after the date of this order and up to completion of conversion, a quarterly progress report on the project;
- b) within 60 days of attainment of certified coal capacity, a final conversion report including:
 - (i) the characteristics of the waste water stream and the nature of any modification to the existing treatment system or to the facility's water discharge permits;
 - (ii) actual final costs of the total project and of the following components: Boiler, Bottom Ash Hopper System,

Electronic System, Support Facility, Fire Protection System, Site Improvement, Coal Pile Cover, Engineering Costs, Maintenance Costs, Coal Delivery, Precipitator & Fabric Filter, Exhaust Gas Scrubbers, Balanced Draft Boiler Conversion (if done), Fly ash transportation and tipping fees, and other costs (describe);

(iii) the certified coal capacity attained;

(iv) estimates of savings attributable to the conversion at the certified coal capacity, over the amortization period selected;

(v) measured emission rates for SO₂, TSP, and NO_x and measured opacity at the certified coal capacity;

(vi) a site map showing the final configuration of all equipment, buildings, coal and ash piles, roads, landscaping, and other components of the proposal;

(vii) a listing of all local, state, or federal permits or agreements obtained subsequent to the Council's Decision in this matter.

- c) within one year of completion of conversion, an analysis of the size distribution and chemical characteristics of the particulate emissions from the plant at 250 MW capacity and at the certified coal capacity;
- d) results of emission tests conducted following each incremental capacity increase of 25 MW, above the initial operation at 250 MW capacity, demonstrating continued compliance with these orders and all other applicable standards;
- e) copies of all communications and reports to the state DEP

regarding the conversion project; and

- f) annually from the commencement of generation at the certified coal capacity, a report on the status of the ash marketing and off-site disposal program.

We hereby direct, pursuant to section 16-50p(c) of the General Statutes of Connecticut, revisions of 1958, revised to 1981, as amended, that a copy of this Opinion, Order, and Decision be served on each party as hereinafter named. A notice of the issuance of the Order and Opinion shall be published in the Bridgeport Post and the Hartford Courant.

The parties to this proceeding are:

Mr. Marcus McCraven (Applicant)
Vice President
Environmental Engineering
United Illuminating
80 Temple Street
New Haven, Connecticut 06506

Conservation Law Foundation of New England, Inc. represented by:
118 Oak Street Roger Koontz
Hartford, Connecticut 06106

Connecticut Fund for the Environment, Inc. represented by:
152 Temple Street Suzanne Langille, Esquire
New Haven, Connecticut 06510

Mr. Robert C. Uerz, Director
Environmental Health Programs
American Lung Association of Connecticut
45 Ash Street
East Hartford, Connecticut 06108

C E R T I F I C A T I O N

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

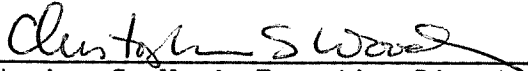
Dated at New Britain, Connecticut, this 11th day of January, 1983.

<u>Council Members</u>	<u>Vote Cast</u>
<u>Gloria Dibble Pond</u> Gloria Dibble Pond Chairperson	Yes
<u>Peter G. Boucher</u> Commissioner Thomas Fitzpatrick Designee: Commissioner Peter G. Boucher	Yes
<u>Stanley Pac</u> Commissioner Stanley Pac Designee: Brian Emerick	Abstain
<u>Owen L. Clark</u> Owen L. Clark	Yes
<u>Fred J. Doocy</u> Fred J. Doocy	Yes
<u>Mortimer A. Gelston</u> Mortimer A. Gelston	Yes
<u>James G. Horsfall</u> James G. Horsfall	Yes
<u>Janet Sitty</u> Janet Sitty	Yes
<u>Colin C. Tait</u> Colin C. Tait	Yes

STATE OF CONNECTICUT)
 :
COUNTY OF HARTFORD) ss. New Britain, January 11, 1983

I hereby certify that the foregoing is a true and correct copy of the decision and order issued by the Connecticut Siting Council, State of Connecticut.

ATTEST:



Christopher S. Wood, Executive Director
Connecticut Siting Council