

DOCKET NO. 61

AN APPLICATION OF APPLIED ENERGY : CONNECTICUT SITING
SERVICES, INC., FOR A CERTIFICATE OF :
ENVIRONMENTAL COMPATIBILITY AND PUBLIC : COUNCIL
NEED FOR THE CONSTRUCTION, MAINTENANCE, :
AND OPERATION OF THE THAMES COGENERATION :
PLANT IN MONTVILLE, CONNECTICUT. : October 20, 1986

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

The application submitted by AES Thames, Inc., (AES) to construct and operate a cogeneration facility is hereby approved. A Certificate of Environmental Compatibility and Public Need, as required by section 16-50k of the Connecticut General Statutes (CGS), shall be issued, subject to the following terms, limitations, conditions, and report requirements. Any changes to specifications pertaining to the following conditions, notification, development and management plan, or report requirements will require Council approval no less than two weeks prior to such change.

1. Conditions

- a) the facility shall be constructed as proposed in the application, as amended and as detailed in the Council's record;
- b) the construction and operation of the facility shall be in accordance with all applicable federal, state, and municipal laws, regulations, and ordinances;
- c) 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;
- d) coal and limestone unloading, handling, and processing shall be performed during daylight hours only;

- e) all mobile coal moving equipment is to be fitted with custom exhaust silencers;
- f) truck traffic is to be limited to a maximum of 30 vehicles per day as averaged over a monthly basis;
- g) all related truck, rail, and barge activities on site are to be considered as an integral part of the facility and are subject to the same noise, air, and water pollution standards as the facility;
- h) the facility and its associated transportation components or the fixtures lighting them are to be properly shielded and/or screened to avoid unnecessary nighttime glare cast onto the Thames River and area land uses;
- i) the coal stockpile, all neutralization basins, run-off basins, drainage basins, and spill containment basins are to be lined with an impermeable material to prevent discharge to the soil or waters of the site; and
- j) this certificate will be void if all construction authorized herein is not completed by June, 1990.

2. Notifications

- a) commencement of demolition;
- b) commencement of construction;
- c) commencement of testing; and
- d) commencement of operation.

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. All plans are to include detailed provisions for design, placement, implementation, analysis, and/or scheduling. The Certificate holder may consult with Council staff in the preparation thereof.

- a) A finalized vegetative screening/landscaping plan for all perimeters of the site. The plan shall identify the location, size, and type of all vegetative species to be planted.
- b) A finalized erosion and sedimentation control plan to include provisions to minimize the release of turbid discharge from construction into the Thames River. The plans shall identify the placement, use and removal of all control measures.
- c) A finalized groundwater monitoring plan with provisions to prevent further degradation of the Thames River and groundwater of the site.
- d) A dust control monitoring plan to include a schedule, parameters for identification of a dust problem, and mitigation measures.
- e) A design and plan for the placement of fish removal equipment on the cooling water intake grate for the live removal of impinged fish.
- f) An annual monitoring plan for the identification of river conditions before and after commencement of facility operations. Monitoring criteria is to include BOD, DO, impingement, entrainment, thermal plume dimensions, fish passage zones, fish populations, and fish spawning levels.
- g) A coordination plan between the Certificate holder and NU to avoid the combined shut-down of the AES facility and NU's

Montville Power Plant during winter and early spring months.

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;
- b) the final approved Department of Environmental Protection (DEP) air emission permits when available;
- c) the final approved DEP water compliance permits when available;
- d) documentation 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, including unloading/reclamation operations, no sooner than one month after commencement of operations;
- e) a first year operational status report to be submitted to the Council within three months after the conclusion of the first year of operation, to include:
 - 1) quantities fuel used,
 - 2) percentages and number of days of fuel oil used,
 - 3) overall and daily average of electric output,
 - 4) overall and daily average of steam output,
 - 5) range and daily overall average of facility efficiency,
 - 6) overall condition and reliability of the facility, and
 - 7) a summary of air emissions from the facility relevant to the DEP air emission permit.

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 New London Day.

The parties to this proceeding are:

Mark S. Fitzpatrick (Applicant)

Project Director

Karen Schaufeld

Project Development Specialist

Applied Energy Services, Inc.

1925 North Lynn Street

Arlington, Virginia 22209

Mr. Mark R. Sussman (its representative)

Murtha, Cullina, Richter and Pinney

City Place

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Hartford, Connecticut 06103-0197

Thames River Watershed Association represented by:

Mr. Ronald R. Whiteley
President

P.O. Box 232

Ledyard, Connecticut 06339

Mr. James F. Meehan
Division of Consumer Counsel
One Central Park Plaza
New Britain, Connecticut 06051

Mr. Michael J. Murphy
Town Planner
Mr. Peter D. Quay
Chairman
The Zoning & Planning Commission
Town of Montville
310 Norwich-New London Turnpike
Uncasville, Connecticut 06382

Mr. Radford P. Henke
President
Thames Valley Trout Unlimited
24 Florida Drive
Oakdale, Connecticut 06370

Mr. R. Fromer (Intervenor)

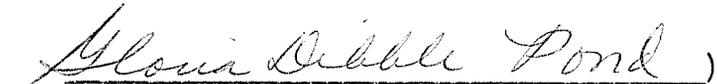
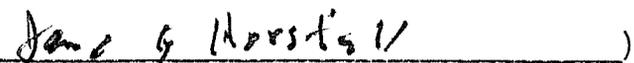
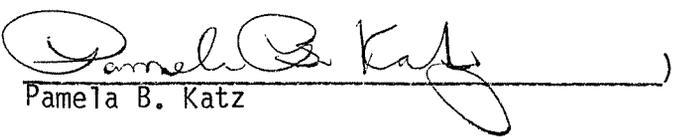
44 Warren Street

New London, Connecticut 06320

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 20th day of October, 1986.

<u>Council Members</u>	<u>Vote Cast</u>
 _____ Gloria Dibble Pond Chairperson	Yes
_____ Commissioner John Downey Designee: Commissioner Peter Boucher	Absent
 _____ Commissioner Stanley Pac Designee: Christopher Cooper	Yes
 _____ Owen L. Clark	Yes
_____ Mortimer A. Gelston	Absent
 _____ James G. Horsfall	Yes
 _____ Pamela B. Katz	Yes
_____ William H. Smith	Absent
_____ Colin C. Tait	Absent

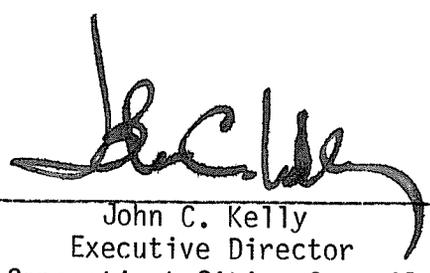
STATE OF CONNECTICUT
COUNTY OF HARTFORD

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ss. New Britain, October 20, 1986

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:



John C. Kelly
Executive Director
Connecticut Siting Council