

UNITED STATES NUCLEAR REGULATORY COMMISSION

7590-01

YANKEE ATOMIC ELECTRIC COMPANY

YANKEE NUCLEAR POWER STATION

DOCKET NO. 50-029

NOTICE OF ISSUANCE OF ENVIRONMENTAL ASSESSMENT
AND FINDING OF NO SIGNIFICANT IMPACT

The U.S. Nuclear Regulatory Commission (the Commission) is considering issuance of an amendment to Facility Operating License No. DPR-3 issued to Yankee Atomic Electric Company (the licensee), for operation of the Yankee Nuclear Power Station (YNPS) located in Rowe Township, Massachusetts.

IDENTIFICATION OF PROPOSED ACTION

The amendment would consist of a change to the operating license authorizing an extension to the expiration date for YNPS from November 4, 1997 to July 9, 2000, a period of two years and eight months.

The proposed amendment to the license is responsive to the licensee's application dated September 15, 1987 and as supplemented on December 2, 1987. The NRC staff has prepared an Environmental Assessment of the Proposed Action, "Environmental Assessment by the Office of Nuclear Reactor Regulation Relating to the Change in Expiration Date of Facility Operating License No. DPR-3, Yankee Atomic Electric Company, Yankee Nuclear Power Station, Docket No. 50-029," dated June 2, 1988.

SUMMARY OF ENVIRONMENTAL ASSESSMENT

The NRC staff reviewed the potential environmental impact of the proposed change in the expiration date of the Operating License for YNPS. The evaluation was based on the licensee's September 15, 1987 and December 2, 1987 submittals, the plant Final Safety Analysis Report and plant Technical Specifications.

Radiological Impacts

Although the population in the vicinity of YNPS has increased slightly, it is likely to remain stable for the period of the extension; thus, the site requirements of 10 CFR Part 100 are now and would still be met with regard to Exclusion Area Boundary, Low Population Zone, and nearest population center distances. The net annualized environmental impacts attributable to the uranium fuel cycle, which form the basis for Table S3 of 10 CFR Part 51, remain essentially unchanged from those previously considered. The environmental impacts attributable to transportation of fuel and waste to and from the plant, with respect to normal conditions of transport and possible accidents in transport would be minimal. In addition, the proposed additional period of reactor operation would not increase the annual public risk from reactor operation.

With regard to normal plant operation, the licensee complies with the NRC guidance and requirements for keeping radiation exposures "as low as is reasonably achievable" (ALARA) for occupational exposures and for radioactivity in effluents. Technical Specifications are in place to ensure continued compliance with these requirements during any additional period of operation.

Non-Radiological Impacts

The NRC review identified no anticipated additional degradation of the habitat surrounding the plant with regard to indigenous plant and animal species for the additional period of facility operation. In addition, the National Pollutant Discharge Elimination System permit provides additional environmental protection from non-radiological effluent discharges for the period of the license extension. The staff also performed an assessment of impact on historic properties in accordance with revisions to 36 CFR Part 800 (Historic Preservation Act) effective October 1, 1986. No significant impact on any historic properties was identified with the license extension.

The staff also verified the licensee's cost/benefit analysis provided in the September 15, 1987 submittal and discussions with respect to commitment of resources and alternatives and found them to be valid.

FINDING OF NO SIGNIFICANT IMPACT:

The staff has reviewed the proposed change to the expiration date of the YNPS Facility Operating License relative to the requirements set forth in 10 CFR Part 51. Based upon the environmental assessment, the staff concluded that there are no significant radiological or non-radiological impacts associated with the proposed action and that the proposed license amendment will not have a significant effect on the quality of the human environment. Therefore, the Commission has determined, pursuant to 10 CFR 51.31, not to prepare an environmental impact statement for the proposed amendments.

Notice of Consideration of Issuance of Amendment to Facility Operating License and Proposed No Significant Hazards Consideration Determination and Opportunity for Hearing in connection with this action was published in the Federal Register on October 21, 1987 (52 FR 39311). No request for hearing or petition for leave to intervene was filed following this notice.

For further details with respect to this action see the application for amendment dated September 15 1987 and as supplemented on December 2, 1987 and the Environmental Assessment dated , 1988. These documents are available for public inspection at the Commission's Public Document Room, 1717 H Street, N.W. Washington, D.C. 20555 and at the Local Public Document Room, Greenfield Community College, 1 College Drive, Greenfield, Massachusetts 01301.

FOR THE NUCLEAR REGULATORY COMMISSION

Morton B. Fairtile
Morton B. Fairtile, Project Manager
Project Directorate I-3
Division of Reactor Projects I/II

Dated at Rockville, Maryland
this 2nd day of June 1988

Distribution:
Docket 50-029
PD I-3 Reading
M. Rushbrook
M. Fairtile

JUN 03 1988

DOCKET NO. 50-029

MEMORANDUM FOR: Rules and Procedures Branch
Division of Rules and Records
Office of Administration

FROM: Office of Nuclear Reactor Regulation

SUBJECT: YANKEE ATOMIC ELECTRIC COMPANY - YANKEE NUCLEAR POWER STATION

One signed original of the *Federal Register* Notice identified below is enclosed for your transmittal to the Office of the Federal Register for publication. Additional conformed copies (6) of the Notice are enclosed for your use.

- ☐ Notice of Receipt of Application for Construction Permit(s) and Operating License(s).
- ☐ Notice of Receipt of Partial Application for Construction Permit(s) and Facility License(s); Time for Submission of Views on Antitrust Matters.
- ☐ Notice of Consideration of Issuance of Amendment to Facility Operating License.
- ☐ Notice of Receipt of Application for Facility License(s); Notice of Availability of Applicant's Environmental Report; and Notice of Consideration of Issuance of Facility License(s) and Notice of Opportunity for Hearing.
- ☐ Notice of Availability of NRC Draft/Final Environmental Statement.
- ☐ Notice of Limited Work Authorization.
- ☐ Notice of Availability of Safety Evaluation Report.
- ☐ Notice of Issuance of Construction Permit(s).
- ☐ Notice of Issuance of Facility Operating License(s) or Amendment(s).
- ☐ Order.
- ☐ Exemption.
- ☐ Notice of Granting Exemption.
- ☒ Environmental Assessment.
- ☐ Notice of Preparation of Environmental Assessment.
- ☐ Other: _____

Office of Nuclear Reactor Regulation

Enclosure:
As stated

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DATE	6/3/88				