

UNITED STATES NUCLEAR REGULATORY COMMISSION
PUBLIC SERVICE ELECTRIC & GAS COMPANY
DOCKET NO. 50-354

NOTICE OF ENVIRONMENTAL ASSESSMENT AND FINDING OF
NO SIGNIFICANT IMPACT

The U. S. Nuclear Regulatory Commission (the Commission) is considering granting relief from the requirements of 10 CFR 50.55a to Public Service Electric & Gas Company for the Hope Creek Generating Station.

ENVIRONMENTAL ASSESSMENT

Identification of Proposed Action: Granting of relief from 10 CFR 50.55a would permit the use of various reactor coolant pressure boundary (RCPB) components which were procured to the specifications of an earlier ASME Code than that required by 10 CFR 50.55a. Specifically, the ASME Code, Section III editions and addenda used in the construction of these RCPB components are those that were required at the time of procurement of the components and were based on a construction permit to be issued in 1971. However, the Hope Creek construction permit was not issued until 1974, resulting in the use of codes and standards which are different from those specified in 10 CFR 50.55a.

The affected RCPB components include: (1) reactor pressure vessel including control rod drive housings, power range monitor in-core housings, and jet pump instrumentation penetration, (2) control rod drive, (3) main steam safety/relief valves, (4) main steam isolation valves, (5) main steam piping, (6) main steam flow elements, (7) reactor recirculation pumps, (8) reactor recirculation shutoff valves, (9) reactor recirculation bypass valves, and (10) reactor recirculation piping.

The Need for the Proposed Action: The proposed granting of relief to the requirements of 10 CFR 50.55a is required to assure full compliance with the Commission's regulations upon licensing of Hope Creek.

Environmental Impact of the Proposed Action: There are no environmental impacts of the proposed action. Such relief has previously been requested and granted on behalf of the Limerick Generating Station, Docket Nos. 50-352/353. No adverse environmental impacts have been identified as a result of granting this relief. There is nothing about the proposed granting of relief that would suggest that the probability of releases would be increased. Granting of relief would not affect non-radiological plant effluents. Therefore, the Commission concludes that there are no significant radiological or non-radiological environmental impacts associated with the proposed granting of relief.

Alternative to the Proposed Action: Since we have concluded that there is no measurable environmental impact associated with the proposed granting of relief, any alternatives will have either no environmental impact or greater environmental impact.

The principal alternative would be to deny the relief request. This would not reduce environmental impacts of plant operation.

Alternative Use of Resources: This action does not involve the use of resources not previously considered in connection with the "Final Environmental Statement Relating to the Operation of Hope Creek Generating Station," dated November 1984.

Agencies and Persons Consulted: The NRC staff reviewed the applicant's request and did not consult other agencies or persons.

FINDING OF NO SIGNIFICANT IMPACT

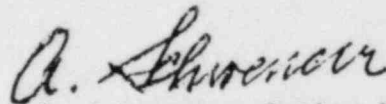
The Commission has determined not to prepare an environmental impact statement for the proposed granting of relief.

Based upon the foregoing environmental assessment, we conclude that the proposed action will not have a significant effect on the quality of the human environment.

For further details with respect to this action, see the request for relief dated January 30, 1979 as supplemented by letter dated February 10, 1983, which are available for public inspection at the Commission's Public Document Room, 1717 H Street, N.W., Washington, DC, and at the Pennsville Public Library, 190 S. Broadway, Pennsville, New Jersey 08070.

Dated at Bethesda, Maryland this 20th day of December 1984.

FOR THE NUCLEAR REGULATORY COMMISSION



A. Schwencer, Acting Assistant Director
for Licensing
Division of Licensing

is the staff's environmental assessment and finding of no significant impact regarding this action.

Sincerely,

Original Signed By
E. G. Case
for Harold Denton, Director
Office of Nuclear Reactor Regulation

Enclosure: As stated

cc: See next page

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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555

/// → Ed Case

The content of the memo is O.K., however the circled word "permit" is extraneous.

J. Knight

JAN 16 1985

We concur pending deletion of "permit"

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circumference cy.
Hazel S.

is the staff's environmental assessment and finding of no significant impact regarding this action.

Sincerely,

Darrell G. Eisenhut, Director
Division of Licensing

Enclosure: As stated

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Sincerely,

Harold Denton, Director
Office of Nuclear Reactor Regulation

Enclosure: As stated

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Returned to LB2 for change in Sig Authority 12/84