

# NORTHEAST UTILITIES



THE CONNECTICUT LIGHT AND POWER COMPANY  
THE HARTFORD ELECTRIC LIGHT COMPANY  
WESTERN MASSACHUSETTS ELECTRIC COMPANY  
HOLYOKE WATER POWER COMPANY  
NORTHEAST UTILITIES SERVICE COMPANY  
NORTHEAST NUCLEAR ENERGY COMPANY

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April 29, 1980

Docket No. 50-245

Mr. Boyce H. Grier, Director  
Region I  
Office of Inspection and Enforcement  
U. S. Nuclear Regulatory Commission  
631 Park Avenue  
King of Prussia, PA 19406

Reference: (1) B. H. Grier letter to W. G. Council dated April 4, 1980.

Gentlemen:

Millstone Nuclear Power Station, Unit No. 1  
Response to I&E Bulletin No. 80-07

This letter responds to I&E Bulletin No. 80-07, concerning BWR Jet Pump Assemblies, under the provisions of 10CFR50.54(f) as requested in Reference (1).

Continued operation of Millstone Unit No. 1, in light of recent experiences at several BWR's on this subject, is based on the following information:

- (1) During past refuelings, visual inspection of all jet pumps were performed and no deficiencies or discrepancies were discovered. The most recent jet pump inspection performed during the Spring, 1979 refueling was included in the ISI Category B-H-1 examination and no deficiencies were noted. Therefore, over nine years of operating experience and six visual jet pump examinations, no physical degradation of the jet pumps was discovered.
- (2) Individual jet pump differential pressure readings were reviewed and compared to baseline data for each jet pump. A review of this data did not indicate any deviations from a normal baseline data of greater than 10%. Therefore, existing data indicates that jet pump beam failure has not occurred, and it is expected that review of new data will identify any problems that might occur.

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To comply with I&E Bulletin No. 80-07, Paragraph B2, a special surveillance has been implemented which will provide indication of jet pump degradation. This surveillance will compare the following characteristics to the established baseline data:

- (1) Recirculation pump speed and flow
- (2) Total core flow and core power conditions which are currently restricted by Technical Specification Figure 3.3.1.
- (3) Individual jet pump diffuser to lower plenum differential pressure as indicated by the individual jet pump flow indications.

Deviations from the normal baseline data as outlined in Paragraph B.2.b, I&E Bulletin No. 80-07, for these characteristics will be evaluated and the reason for the deviation will be recorded as part of this surveillance.

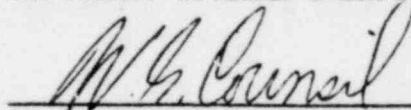
All jet pumps will be visually inspected and ultrasonically examined in accordance with I&E Bulletin No. 80-07, Paragraphs A1 and A2 during the next refueling, scheduled for September, 1980. Upon the completion of these inspections/examinations, the appropriate notification and report detailing the results of inspections, including any deficiencies identified and corrective actions taken will be made.

Plant operating procedures pertaining to instructing plant operators regarding identification and response to sudden individual jet pump failure have been prepared.

Should you have any questions, please contact us.

Very truly yours,

NORTHEAST NUCLEAR ENERGY COMPANY



W. G. Council  
Vice President

STATE OF CONNECTICUT )  
 ) ss. Berlin  
COUNTY OF HARTFORD )

*April 29, 1980*

Then personally appeared before me W. G. Counsil, who being duly sworn, did state that he is Vice President of Northeast Nuclear Energy Company, a Licensee herein, that he is authorized to execute and file the foregoing information in the name and on behalf of the Licensees herein and that the statements contained in said information are true and correct to the best of his knowledge and belief.

*Sheila M. Oates*  
Notary Public

My Commission Expires March 31, 1981