

BOSTON EDISON COMPANY  
800 BOYLSTON STREET  
BOSTON, MASSACHUSETTS 02199

February 15, 1985

WILLIAM D. HARRINGTON  
SENIOR VICE PRESIDENT  
NUCLEAR

BEC0 85-034

Mr. Domenic B. Vassallo, Chief  
Operating Reactors Branch #2  
Division of Licensing  
Office of Nuclear Reactor Regulation  
U.S. Nuclear Regulatory Commission  
Washington, D. C. 20555

License DPR-35  
Docket 50-293

Revision to Proposed Technical Specification Change

Dear Sir:

By letter of February 1, 1985, Boston Edison requested a change to technical specifications which would allow the injection of hydrogen into the reactor feedwater as a potential mitigator of intergranular stress corrosion cracking. This change consists of adding a note to Tables 3.1.1 and 3.2.A. This note describes the adjustment of the Main Steam Line High Radiation setpoint to compensate for the increased background radiation expected due to hydrogen injection.

Subsequent discussions between the NRC and Boston Edison suggested that our proposed note requires amending to indicate that, initially, hydrogen injection will be a test conducted for a short period. Based on this, we submit the following amended note, which we request you substitute for proposed note 18 on page 28, and proposed note 9 on page 46:

Within 24 hours prior to the planned start of the hydrogen injection test with the reactor power at greater than 20% rated power, the normal full power radiation background level and associated trip setpoints may be changed based on a calculated value of the radiation level expected during the test. The background radiation level and associated trip setpoints may be adjusted during the test based on either calculations or measurements of actual radiation levels resulting from hydrogen injection. The background radiation level shall be determined and associated trip setpoints shall be set within 24 hours of re-establishing normal radiation levels after completion of hydrogen injection and prior to establishing reactor power levels below 20% rated power.

This proposed change does not alter the explanatory material provided with our February 1, 1985 letter. It also does not change the Significant Hazards Consideration provided with the original amendment request, except that the limited duration of the test further decreases any slight reduction of an existing safety margin this test may entail. This is in accordance with the guidance provided as example (vi) of 48FR14870.

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BOSTON EDISON COMPANY

Mr. Domenic B. Vassallo, Chief  
February 15, 1985  
Page 2

As we stated in our February 1, 1985 submittal, Boston Edison intends to commence testing in late March or early April. Therefore, we request that you act on this expeditiously so that we may test and implement hydrogen injection so as to maximize its benefits.

Very truly yours,

*W.D. Harrington*

Commonwealth of Massachusetts)  
County of Suffolk )

Then personally appeared before me W. D. Harrington, who, being duly sworn, did state that he is Senior Vice President - Nuclear of the Boston Edison Company, the applicant herein, and that he is duly authorized to execute and file the submittal contained herein in the name and on behalf of the Boston Edison Company and that the statements in said submittal are true to the best of his knowledge and belief.

My Commission expires: *4-14-89*

*Maurice DeCamp*  
Notary Public

cc: Mr. Robert M. Hallisey, Director  
Radiation Control Program  
Mass. Dept. of Public Health  
150 Tremont Street F-7  
Boston, MA 02111

PMK/kmc