



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

September 15, 1988

Docket Nos.: 50-454 and 50-455

Mr. Henry E. Bliss
Nuclear Licensing Manager
Commonwealth Edison Company
P.O. Box 767
Chicago, Illinois 60609

Dear Mr. Bliss:

SUBJECT: SAFETY EVALUATION REPORT OF THE INSERVICE TESTING (IST)
PROGRAM FOR PUMPS AND VALVES, BYRON STATION, UNITS 1 AND 2
(TAC NOS. 56201/63241)

The enclosed Safety Evaluation Report was prepared by the Mechanical Engineering Branch to provide the results of the staff review of the Byron 1 & 2 Inservice Testing Program for pumps and valves.

The Code of Federal Regulations, paragraph 10 CFR 50.55a(g) requires certain Class 1, 2, and 3 pumps and valves in water-cooled nuclear reactor facilities to meet the inservice testing requirements stated in the ASME Boiler and Pressure Vessel Code, Section XI; specifically, Subsection IWP, Inservice Testing of Pumps in Nuclear Power Plants, and Subsection IWV, Inservice Testing of Valves in Nuclear Power Plants. Each facility is required to establish a program for the inservice testing of pumps and valves which is updated every 10 years to meet the requirements in the latest approved edition and addenda to Section XI of the ASME Code. The program is submitted to the NRC for review and approval. The review entails verifying that the program is based on the applicable Code edition and addenda, verifying that the program covers testing of all appropriate pumps and valves, and verifying the acceptability of the requests for relief from the requirements of Subsections IWP and IWV.

The IST program addressed in this report covers the first 10-year intervals from September 16, 1985 to September 16, 1995 for Byron 1 and from August 21, 1987 to August 21, 1997 for Byron 2. The licensee's program was submitted in a letter dated November 4, 1982. This report incorporates the review of the licensee's IST program through Revision 6 for pumps and Revision 7 for valves submitted in a letter dated August 21, 1987 and revised by letters dated May 16, 1988 and July 29, 1988.

The Mechanical Engineering Branch, with technical assistance from EG&G Idaho Incorporated, has reviewed and evaluated the IST program and requests for relief submitted by Byron 1 & 2. The staff adopts the evaluations and conclusions contained in the Technical Evaluation Report (TER) prepared by EG&G. The enclosed SER incorporates the TER and its findings. We are recommending that relief be granted from the testing requirements which we

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have determined would be impractical to perform, would result in hardship or unusual difficulties without a compensating increase in the level of quality and safety and where the proposed alternative testing would not compromise the safety of the facility. This relief, granted pursuant to 10 CFR 50.55a(e)(3)(i), (a)(3)(ii) and (g)(6)(i), is authorized by law and will not endanger life or property or the common defense and security and is otherwise in the public interest given due consideration to the burden upon the licensee that could result if the requirements were imposed on the facility. Certain relief requests have been denied where proposed alternative testing is unacceptable or where an adequate basis for the relief request has not been provided. We have determined that the IST program is acceptable for implementation provided the omissions and inconsistencies identified in Appendix C of the TER are addressed within 3 months of the receipt of this SE.

You are required to comply with the IST program defined in the above referenced letters in accordance with the relief granted in the enclosed SER. Program changes such as revisions or additional relief request or deletion of any components from the IST program should be submitted for staff review but may not be implemented prior to review and approval by the NRC.

Sincerely,



Leonard Olshan, Project Manager
Project Directorate III-2
Division of Reactor Project III,
IV, V and Special Projects

Enclosure:
As stated

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/s/

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Division of Reactor Project III,
IV, V and Special Projects

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*See previous concurrence

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have determined would be impractical to perform, would result in hardship or unusual difficulties without a compensating increase in the level of quality and safety and where the proposed alternative testing would not compromise the safety of the facility. This relief, granted pursuant to 10 CFR 50.55a(g)(6)(i), is authorized by law and will not endanger life or property or the common defense and security and is otherwise in the public interest given due consideration to the burden upon the licensee that could result if the requirements were imposed on the facility. Certain relief requests have been denied where proposed alternative testing is unacceptable or where an adequate basis for the relief request has not been provided. We have determined that the IST program is acceptable for implementation provided the omissions and inconsistencies identified in Appendix C of the TER are addressed within 3 months of the receipt of this SE.

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Mr. Henry E. Bliss
Commonwealth Edison Company

Byron Station
Units 1 and 2

cc:

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