



**Commonwealth Edison**  
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April 1, 1981



Mr. Darrell G. Eisenhut, Director  
Division of Licensing  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555

Subject: Dresden Station Units 2 and 3  
Quad Cities Station Units 1 and 2  
Zion Station Units 1 and 2  
Information Concerning NUREG-0737  
Items With Submittals Due by April 1,  
1981  
NRC Docket Nos. 50-237/249, 50-254/265  
and 50-295/304

- References (a): J. S. Abel letter to D. G. Eisenhut  
dated December 15, 1980 (45-day response  
to NUREG-0737).
- (b): J. S. Abel letter to D. G. Eisenhut  
dated January 30, 1981 concerning Item  
I.A.1.3.
- (c): J. S. Abel letter to D. G. Eisenhut  
dated February 27, 1981 concerning  
March 1, 1981 items.
- (d): J. S. Abel letter to D. G. Eisenhut  
dated March 17, 1981 concerning STA  
long term program.

Dear Mr. Eisenhut:

Enclosed are supplementary responses or summary updates for  
those NUREG-0737 items which Commonwealth Edison has indicated in  
References (a), (b), and (c) that a response would be provided by  
April 1, 1981. Also provided is our implementation status of  
NUREG-0737 Item II.B.4 "Training for Mitigating Core Damage".

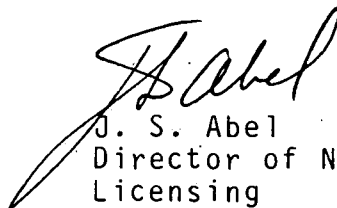
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Please address any questions you may have in this regard to this office.

One (1) signed original and seventy-nine (79) copies of this transmittal are provided for your use.

Very truly yours,



J. S. Abel  
Director of Nuclear  
Licensing

Enclosure

cc: RIII Inspector - Dresden  
RIII Inspector - Quad Cities  
RIII Inspector - Zion

Enclosure

Dresden Station Units 2 and 3  
Quad Cities Station Units 1 and 2  
Zion Station Units 1 and 2  
Information Concerning NUREG-0737 Items  
With Submittals or Implementation Due by April 1, 1981

I.A.1.3 Shift Manning - Limit Overtime

Dresden, Quad Cities, and Zion Response

As indicated in Reference (b) and in the R. F. Janecek letter to D. G. Eisenhut dated November 5, 1980, we are in substantial compliance with this requirement since overtime is not routinely scheduled to extend beyond a 12-hour shift. The local bargaining unit negotiations to be in closer conformance with the NUREG-0737 guidelines (discussed in Reference (b)), did not resolve this issue.

We will continue to follow our policies previously stated, and will report the results of corporate discussions on this issue by June 1, 1981.

II.B.4 Training for Mitigating Core Damage

Dresden, Quad Cities, and Zion Response

Existing operator training and retraining programs have been evaluated against NRC guidelines and have been found to need improvement in several of the areas specified in Enclosure 3 to H. R. Denton's March 23, 1980 letter. Discussions were held with our NSSS vendors (Westinghouse and General Electric) beginning in late 1980 on arrangements to train our instructors in these areas so that the appropriate material could be added to our programs. Due to the controversy over some of the training topics specified, action by NSSS vendors was delayed pending resolutions by owners groups. The earliest possible dates for instructor training have been secured for Commonwealth Edison; this schedule will allow for training of instructors to be completed by the end of July, 1981. We will then make every effort to complete training of operators in these topics via the license requalification program by October 1, 1981.

II.F.1.2 Accident Monitoring: Sampling and Analysis of Plant Effluents

Dresden and Quad Cities Response

Our Reference (a) submittal indicated that design details would not be available until the end of the first quarter in 1981. The Eberline gaseous effluent radiation monitors installed to meet NRC requirements for high range noble gas releases, have particulate and iodine filters with radiation monitors incorporated in them. Design details will not be available for NRC review until June 30, 1981; however, installation should be achieved by January 1, 1982.

Zion Response

No supplementary response is necessary since Reference (a) provided the information requested by NUREG-0737.

II.F.2 Instrumentation for Detection of Inadequate Core Cooling

Dresden and Quad Cities Response

No additional response is required. Reference (a) provided the information required by NUREG-0737.

Zion Response

Our Reference (a) transmittal indicated that the system documentation requested to be supplied by January 1, 1981, would be supplied at the end of the first quarter of 1981. The numbers below correspond to the NUREG-0737 Item II.F.2 clarification section "Documentation Required".

1. Commonwealth Edison has provided the descriptions of existing and new instrumentation to the NRC in the following letters: October 18, 1979 C. Reed letter to D. G. Eisenhut, November 21, 1979 C. Reed letter to D. G. Eisenhut, and January 1, 1980 D. L. Peoples letter to H. R. Denton. Final system description is not presently available due to delays in procurement of documentation from equipment suppliers.

2. The design analysis will be completed once the required documentation is received from equipment suppliers. This information is anticipated by the end of the second quarter of 1981.
3. No additional test programs are contemplated.
4. This evaluation will follow receipt of complete documentation from suppliers.
5. This information was previously submitted. See item #1 above.
6. Unit 2: equipment installed, testing and calibration completed. Unit 1: equipment installed, testing and calibration in progress.
7. Westinghouse Owners Group is working on guidelines and procedures for the use of instrumentation during and following ICC. See transmittal letter #OG-44 dated November 10, 1980 from Westinghouse Owners Group to NRC.
8. This information was provided in a letter dated October 30, 1979 from C. Reed to D. W. Ross, Jr. of the NRC.
9. Additional submittals are expected during the third quarter of 1981 based on receipt of necessary documentation from our suppliers by the end of the second quarter of 1981.

II.K.3.2 Report on Overall Safety Effect of Power-Operated Relief Valve System

Dresden and Quad Cities Response

This item is not applicable to Dresden or Quad Cities Stations.

Zion Response

In Reference (c), we indicated that this report would be submitted in mid-March by the Westinghouse Owners Group. This report, which recommended against the installation of an automatic PORV isolation system (as identified in NUREG-0737 Item II.K.3.1) was transmitted by Westinghouse Owners Group letter #OG-52 dated March 13, 1981 (R. Jurgenson letter to J. R. Miller).

II.K.3.5 Automatic Trip of Reactor Coolant Pump During Loss of Coolant Accident

Dresden and Quad Cities Response

This item is not applicable to Dresden or Quad Cities Stations.

Zion Response

The LOFT experiment predictions by the WFLASH model were submitted on March 3, 1981 by the Westinghouse Owners Group (#OG-49). The NOTRUMP predictions were submitted in the March 23, 1981 R. Jurgenson letter to D. Ross (Westinghouse Owners Group #OG-50).

The best estimate study of a RCP trip is now scheduled for completion in June, 1981.

II.K.3.16 Reduction of Challenges and Failures of Relief Valves

Dresden and Quad Cities Response

The required study was provided by the BWR Owners Group letter #8134 (D. B. Waters letter to D. G. Eisenhut) dated March 31, 1981. Since Dresden Units 2 and 3 have an isolation condenser, the expected frequency of relief valve challenges and failures lie an order of magnitude below the reference BWR in the study. No modifications or changes are therefore proposed for Dresden.

Since the Quad Cities units employ a combination of 4 Electromatic Relief Valves and a three stage Target Rock valve, several possible actions are possible to lower the frequency of relief valve challenges and failures. Commonwealth Edison is in the process of evaluating the available options and will provide an updated response by May 1, 1981.

Zion Response

This item is not applicable to Zion Station.

II.K.3.18 ADS Actuation Modification

Dresden and Quad Cities Response

The required study was submitted by the BWR Owners Group letter #8134 in the D. B. Waters letter to D. G. Eisenhut dated March 31, 1981.

Zion Response

This item is not applicable to Zion Station.

II.K.3.29 Performance of Isolation Condensers

Dresden Response

The NRC was notified of our intent to delay study on this item one year in the C. Reed letter to D. G. Eisenhut dated July 25, 1980. Although we indicated in the above letter and in Reference (a) that engineering work would not begin until July, 1981, we have initiated our design review of this item. Our schedule still calls for completion of this study by April 1, 1982.

Quad Cities and Zion Response

This item is not applicable to Quad Cities or Zion Stations.

III.A.2 Emergency Preparedness - Implementation Radiological Emergency Response Plans

Dresden, Quad Cities, and Zion Response

The required information was transmitted under separate cover (L. O. DelGeorge letter to H. R. Denton dated March 27, 1981.)