



Commonwealth Edison
1400 Opus Place
Downers Grove, Illinois 60515

January 9, 1992

Dr. Thomas E. Murley, Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Attn: Document Control Desk

Subject: Byron Station Units 1 and 2
UHS Design Basis
Reconstitution Final Report
NRC Docket Nos. 50-454 and 50-455

- References:
- (a) April 23, 1991 letter from T.K. Schuster to Dr. T.E. Murley documenting an April 12, 1991 teleconference between CECo and NRR.
 - (b) April 23, 1991 letter from T.K. Schuster to Dr. T.E. Murley withdrawing an application for amendment to the Byron Facility Operating Licenses NPF-37/66.

Dear Dr. Murley:

In the letter of Reference (a) Commonwealth Edison Company (CECo) indicated an operability assessment process and Design Basis Reconstitution effort had been initiated for the Byron Ultimate Heat Sink (UHS). These actions were taken based on the existence of two incorrect assumptions in the original UHS analyses and CECo's intent to eliminate any uncertainty in the design bases of the UHS. The operability assessments assured continued conservative and safe operation of the Byron Station UHS while the Design Basis Reconstitution effort progressed. In the letter of Reference (b) CECo withdrew its proposed amendment application to modify the UHS Technical Specifications. In subsequent teleconferences and meetings with both Region III and NRR representatives of the NRC, CECo committed to complete a Final Operability Assessment by November 11, 1991 and deliver a final report summarizing the UHS Design Basis Reconstitution efforts by January 11, 1992. The Final Operability Assessment was completed in November of 1991 and the enclosed "Byron Station UHS Design Basis Reconstitution Final Report," dated January 9, 1992, satisfies the second commitment.

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An application for amendment will be submitted to the Nuclear Regulatory Commission by April 1, 1992. The process of reconciling descriptive entries made in the UFSAR with the findings of the reconstitution effort is underway. Safety Evaluations will be performed for all permanent changes made to the UFSAR description. The UFSAR revisions will be completed by May 18, 1992. An Information Only copy of the changes will be sent to the Commission by June 1, 1992 and issuance of the changes to controlled copy holders of the UFSAR will occur during the annual update of the UFSAR in December of 1992.

Please direct any questions you may have concerning these matters to this office.

Respectfully,



Terence K. Schuster
Nuclear Licensing Administrator

Enclosure

cc: A.H. Hsia - Project Manager, NRR
W. Kropp - Senior Resident Inspector, Byron
A. Bert Davis - Regional Administrator - RIII

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