



Commonwealth Edison  
1400 Opus Place  
Downers Grove, Illinois 60515

August 19, 1992

Dr. Thomas E. Murley, Director  
Office of Nuclear Reactor Regulation  
Nuclear Regulatory Commission  
Washington, D.C. 20555

Attn: Document Control Desk

Subject: Dresden Nuclear Power Station Unit 3  
Extension of ABB-Atom/EPRI/Commonwealth Edison (CECo)  
Control Rod Demonstration Program at Dresden Nuclear  
Power Station Unit 3  
NRC Docket No. 50-249

- Reference: (a) "EPRI/ABB-Atom Control Rod Blade Inspection in Dresden 3,  
(RP-1628-2), Poolside Examinations in September 1991,"  
December 4, 1991.
- (b) M. Richter memo to T. Murley, dated February 20, 1991.

Dr. Murley:

Please find enclosed a copy of the Reference (a) ABB-Atom report. This report documents the EOC12 inspection results of the ABB/EPRI control rod demonstration program at Dresden Unit 3.

Additionally, in the Reference (b) memo, CECo committed to notify your Staff of the results of the program, highlighting any unacceptable results from the end-of-cycle (EOC) inspections. The following is a brief summary of the inspection results from EOC 12 at Dresden Unit 3:

- AA control rod AA103 failed to meet the re-insertion criteria established by CECo and ABB and was therefore discharged at EOC 12.
- AA control rods AA101 and AA105H were also cracked. However, they met the CECo and ABB criteria for re-insertion. After a thorough review of the inspection results, Dresden decided not to re-insert cracked AA control rods AA101 and AA105H for D3C13. Dresden replaced these control rods at the beginning-of-cycle (BOC) 13 with new control rods.
- Uncracked AA control rods AA102, AA104, and AA108H were re-inserted for D3C13 and will be examined at EOC 13. CECo performed control rod exposure projections for AA control rods AA102, AA104, and AA108H for D3C13 using the Cycle 13 projected rod patterns. CECo determined from these projections that three (3) uncracked AA control rods can remain in their current control-cell-core (CCC) locations for D3C13 and not exceed their design lifetimes.

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Dr. Thomas Murley

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If you have any questions concerning this matter, please contact this office.

Sincerely,



Peter L. Piet  
Nuclear Licensing Administrator

Attachment

cc: A.B. Davis, Regional Administrator - RIII  
B.L. Siegel, NRR Project Manager  
W.G. Rogers, Senior Resident Inspector  
Office of Nuclear Facility Safety - IDNS