



Commonwealth Edison
One First National Plaza, Chicago, Illinois
Address Reply to: Post Office Box 767
Chicago, Illinois 60690

June 10, 1983

Director of Nuclear Reactor Regulation
Attention: Mr. A. Schwencer, Chief
Licensing Branch No. 2
Division of Licensing
U. S. Nuclear Regulatory Commission
Washington, DC 20555

Subject: Dresden Station Unit 2
Reactor Vessel Irradiation
Surveillance Program for
Appendix H Capsule No. 8
NRC Docket No. 50-237

Reference (a): T. J. Rausch letter to H. R.
Denton dated March 31, 1982.

Dear Sir:

In accordance with Appendix H of 10 CFR 50, we are submitting ten copies of the final report on Capsule No. 8 for Dresden Station Unit 2. The test results supports the referenced Technical Specification amendment request to allow the existing pressure-temperature curves (Figure 3.6.1) be effective through ten Effective Full Power Years. With this amendment in mind, the following points should be made:

1. The materials tested from Capsule No. 8 did not show any significant changes in RT NDT at a capsule fluence of 5.2×10^{16} n/cm² (E > 1 MeV).
2. Based on the Capsule No. 8 results, the fluence at 10 EFY for the Dresden and Quad Cities RPV's is projected to be 1.2×10^{17} n/cm² and 8.0×10^{16} n/cm² (E > 1 MeV) at the inside surface and 1/4 T locations respectively.

Testing of the Appendix H capsules from Dresden Unit 3 and Quad Cities Unit 2 is in progress with reports expected by the end of the year. Testing of the Appendix H capsule from Quad Cities Unit 1 should be complete in early 1984.

8306200265 830610
PDR ADOCK 05000237
P PDR

A001
1/0

Director of NRR

- 2 -

June 10, 1983

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

One (1) signed original and sixty (60) copies of this letter are being provided for your use.

Very truly yours,



B. Rybak
Nuclear Licensing Administrator

lm

cc: Attachments

cc: NRC Resident Inspector - Quad Cities
NRC Resident Inspector - Dresden
R. Gilbert - NRR
R. Bevan - NRR

6743N