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Docket Number 50-346

License Number NPF-3

Serial Number 1906

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United States Nuclear Regulatory Commission  
Document Control Desk  
Washington, D. C. 20555

Subject: 10 CFR 50, Appendix H Report of Reactor Vessel Material  
Surveillance Program Test Result for Davis-Besse Nuclear  
Power Station, Unit 1

Gentlemen:

10 CFR 50, Appendix H, requires licensees to have a reactor vessel materials surveillance program. The purpose of the program is to monitor changes in the fracture toughness properties of ferritic materials in the reactor vessel beltline region resulting from exposure of these materials to neutron irradiation and the thermal environment associated with reactor operation. Under the program, fracture toughness test data are obtained from surveillance capsule material specimens which are periodically withdrawn from the reactor vessel. The schedule for withdrawal of Davis-Besse Nuclear Power Station (DBNPS), Unit 1 surveillance capsules is contained in Babcock and Wilcox (B&W) Topical Report, BAW-1543A, "Master Integrated Reactor Vessel Surveillance Program," which was approved by the Nuclear Regulatory Commission (NRC) staff in 1985. The test data are obtained from examination of the material specimens used in accordance with 10 CFR 50, Appendix G, "Fracture Toughness Requirements," to update Technical Specifications pressure/temperature operating limits.

The fourth surveillance capsule (TE1-D) for DBNPS was withdrawn from the reactor vessel during the sixth refueling outage. The sixth refueling outage ended in July 1990. The enclosed B&W Nuclear Service Company report, BAW-2125, "Analysis of Capsule TE1-D - The Toledo Edison Company DBNPS, Unit 1 Reactor Vessel Material Surveillance Program," describes the results of the examinations performed on surveillance capsule, TE1-D. The report is submitted for NRC information in accordance with 10 CFR 50, Appendix H. The test results confirm that the existing Technical Specifications pressure/temperature operating limits are conservative and remain valid through ten effective full power years of operation.

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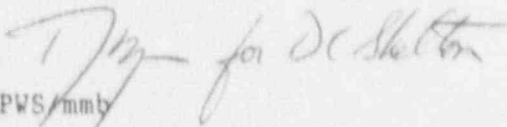
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Should you have any questions regarding the information provided by this letter, please contact Mr. R. W. Schrauder, Manager - Nuclear Licensing, at (419) 249-2366.

Very truly yours,

  
PWS/mmby

attachments

cc: P. M. Byron, DB-1 NRC Senior Resident Inspector  
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