

March 2, 2001

MEMORANDUM TO: Marsha Gamberoni, Chief, Section 1  
Project Directorate I  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

FROM: Lawrence J. Burkhart, Project Manager, Section 1 */RAI/*  
Project Directorate I  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

SUBJECT: BEAVER VALLEY POWER STATION, UNITS 1 AND 2, LICENSE  
AMENDMENT REQUEST DATED JANUARY 18, 2001, DRAFT  
REQUEST FOR ADDITIONAL INFORMATION (TAC NOS. MB0996 AND  
MB0997)

The licensee requested a 1.4-percent power uprate in its license amendment request dated January 18, 2001 (Accession Number ML010230096)

Attached is a draft request for additional information (RAI) that was sent to the licensee via electronic mail on February 7, 2001. These questions were also discussed with the licensee on February 7, 2001, and were included in an official RAI dated February 7, 2001 (Accession Number ML010380339).

Docket Nos. 50-334 and 50-412

Attachment: RAI

CONTACT: L. Burkhart, NRR  
301-415-3053

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Attachment: RAI

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301-415-3053

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DATE	3/2/01	3/2/01

Official Record

DRAFT RAI QUESTIONS REGARDING  
BEAVER VALLEY 1.4-PERCENT POWER UPRATE  
LICENSE AMENDMENT REQUEST  
DATED JANUARY 18, 2001

- (1) In your submittal dated January 18, 2001, you enclosed the Caldon, Inc., Engineering Report, ER-157P, "Supplement to Topical Report ER-80P: Basis for a Power Uprate With LEFM✓™ or CheckPlus™ System, Revision 2," dated December 2000. It is the Nuclear Regulatory Commission (NRC) staff's understanding that Caldon has decided to revise this topical report. With respect to those units utilizing the LEFM✓™ system, it is recommended that amendment requests for a 1.4-percent power uprate should base their justification on Caldon Topical Report ER-160P, which the NRC staff approved by its January 19, 2001, safety evaluation (SE) for Watts Bar (ADAMS Accession Number ML010260074).
- (2) The NRC staff has not approved a topical report for the use of the CheckPlus™ system. In light of the pending revisions to ER-157P, please provide justification for the use of the CheckPlus™ system in support of the 1.4-percent power uprate request (i.e., please provide justification that the CheckPlus™ system is at least as good as the LEFM✓™ system).
- (3) The staff's SE on Caldon Topical Report ER-80P, "Improving Thermal Power Accuracy and Plant Safety While Increasing Operating Power Level Using the LEFM System," dated March 8, 1999 (Accession Number 9903190053), included 4 additional criteria to be addressed by a licensee requesting power uprate. Your submittal did not address these 4 criteria. As an example, one of the 4 criteria requires a plant-specific calculation of the total power measurement uncertainty of the LEFM for the power uprate using accepted plant setpoint methodology. Beaver Valley did not address these criteria and no plant-specific calculation was submitted.