

From: Lawrence Burkhart
To: Brian Sepelak
Date: 5/21/01 2:30PM
Subject: RAI - POWER UPRATE.

Brian,

Please let me know when you can discuss the attached RAI.

Larry

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Subject: RAI - POWER UPRATE.
Creation Date: 5/21/01 2:30PM
From: Lawrence Burkhart
Created By: LJB@nrc.gov

Recipients

firstenergycorp.com
sepelakb (Brian Sepelak)

Post Office Route

firstenergycorp.com internet

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REQUEST FOR ADDITIONAL INFORMATION
CONCERNING POWER UPRATE
BEAVER VALLEY POWER STATION, UNIT 1 & 2

- 1) The proposed technical specification (TS) bases B 3/4.4.7.1.1 indicates that the total relieving capacity for all main steam safety valves (MSSVs) is 108% of the total steam flow at rated thermal power. This capacity has been reduced from the current value of 110%. Provide justification of this proposed change in light of ASME code requirements for safety valves.

- 2) It is indicated in your submittal that the design bases transients and accidents have been evaluated at the uprated power level and the results of the analyses demonstrated that all the applicable acceptance criteria for each event continued to be met at the 1.4% power uprate conditions (considering the updated primary and secondary system temperatures, pressures, flows, etc). Please provide detailed results of the re-analyses in the following areas:
 - a) Major assumptions used in the re-analyses. Provide justification for any assumptions which are deviate from that used in the existing analyses.
 - b) Describe methods and computer codes used for the re-analyses and confirm that they are previously approved by the staff. Provide justification for any changes in methodology from the existing analyses.
 - c) Provide the results of the re-analyses including primary and secondary system peak pressure, minimum DNBR, and/or amount of failed fuel.

- 3) In Section 3.7.4 of Enclosure 1 of your submittal, discuss the affect from higher decay heat to the adequacy of the safety related condensate storage tank volume in light of: a) To support AFW for achieving plant cooldown to RHR initiation, and b) To assure SBO coping analysis remain valid.

- 4) Please submit information that discuss effect of power uprate on ATWS analyses, including any changes in important core or energy release assumptions.