



B&W NUCLEAR TECHNOLOGIES

March 4, 1994  
JHT/94-36

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- References:
1. A. C. Thadani to J. H. Taylor, Acceptance for Referencing of Topical Report BAW-10184P, "GDTACO - Urania Gadolinia Fuel Pin Thermal Analysis Code" (TAC No. M83405), June 24, 1993.
  2. A. C. Thadani to J. H. Taylor, Clarifications to SER Conclusions Regarding Topical Report BAW-10156, Rev. 1, "LYNXT, Core Transient Thermal Hydraulic Program," March 26, 1993.

Gentlemen:

The NRC safety evaluation report<sup>1</sup> (SER) for topical report BAW-10184P contains several conclusions reached as a result of the review of GDTACO. One of these conclusions contains the statement, "This acceptance applies to gadolinia concentrations up to 8 wt% nominal (8.3 wt% maximum pellet) for BWFC Mark-B and Mark-BW fuel types." This statement was discussed in a telephone conference between the NRC staff reviewers, the PNL contract reviewers, and BWFC personnel on October 26, 1993.

During the telecon, BWFC presented justification for the position that the GDTACO approval should apply to the code and methodology and not a specific fuel type. PNL and the NRC agreed with this position and the NRC suggested that BWFC submit a letter giving an alternative statement to replace the one given above. The alternative statement is as follows: "This acceptance applies to gadolinia concentrations up to 8 wt% nominal (8.3 wt% maximum pellet) for BWFC fuel designs."

By copy of this letter, BWFC requests that NRC provide concurrence with this statement in a letter such as reference 2. We need this concurrence by April 8, 1994 so that we may submit the accepted (-A) version of the topical report by the end of April.

Very truly yours,

J. H. Taylor, Manager  
BWNT Licensing Services

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