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 FACIL: 50-438 Bellefonte Nuclear Plant, Unit 1, Tennessee Valley Au 05000438
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 RECIP. NAME: RECIPIENT AFFILIATION
 ADENSAM, E. Licensing Branch 4

SEE RPL

SUBJECT: Forwards "PORV Reliability Study & Setpoint Analysis," in response to NUREG-0737, Items II.K.3.1 & II.K.3.2. Encl rept provides justification for using original as-designed trip setpoints on 205 fuel assembly isolation sys.

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TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

1630 Chestnut Street Tower II

December 13, 1984

Director of Nuclear Reactor Regulation
Attention: Ms. E. Adensam, Chief
Licensing Branch No. 4
Division of Licensing
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Ms. Adensam:

In the Matter of the Application of) Docket Nos. 50-438
Tennessee Valley Authority) 50-439

In response to NUREG-0737, items II.K.3.1 and II.K.3.2, "Power Operated Relief Valve (PORV) Reliability Study and Set Point Analysis," for the Bellefonte Nuclear Plant, TVA is submitting the enclosed report which provides the justification for using the original as-designed trip set points on the 205 fuel assembly isolation system. The report also includes a description of the automatic isolation system as well as a reliability analysis to verify that the system will not be a major contributor to the probability of a small break loss of coolant accident. In addition, it also shows that safety valve reliability is not significantly affected by the isolation system. TVA intends to install the automatic isolation system and perform a confirmation test of the system by April 1987.

If you have any questions concerning this matter, please get in touch with K. Mali at FTS 858-2680.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

J. A. Domer

J. A. Domer
Nuclear Engineer

Sworn to and subscribed before me
this 13th day of Dec. 1984

Bryant Mc Lowery
Notary Public
My Commission Expires 7/8/86

Enclosure

cc: U.S. Nuclear Regulatory Commission (Enclosure)
Region II
Attn: Mr. James P. O'Reilly Administrator
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30323

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