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 FACIL: 50-438 Bellefonte Nuclear Plant, Unit 1, Tennessee Valley Au 05000438
 50-439 Bellefonte Nuclear Plant, Unit 2, Tennessee Valley Au 05000439

AUTH. NAME AUTHOR AFFILIATION
 MILLS, L.M. Tennessee Valley Authority
 RECIP. NAME RECIPIENT AFFILIATION
 DENTON, H.R. Office of Nuclear Reactor Regulation, Director

SUBJECT: Notifies that scale model of facilities reactor bldg
 emergency sumps will be tested by Alden Research Lab
 during Feb 1982. Test results will be discussed at review
 meeting w/Alden.

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TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

February 1, 1982



Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Dear Mr. Denton:

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

This letter is to inform you that a scale model of the Bellefonte Nuclear Plant (BLNP) reactor building emergency sumps will be tested by Alden Research Laboratory in Holden, Massachusetts. These tests are currently scheduled to be completed during February 1982. The objective of the tests is to determine the adequacy of TVA's design through the use of a scale model that will evaluate the formation of vortexing inside and outside of the sump, pressure drops across the inlet trash racks and screens, the water velocity through the intake, and the net positive suction head (NPSH) to the ECCS pumps. A number of the test parameters will be varied to verify that the sump operates as designed. In addition, there will be a review meeting between TVA and Alden to discuss the results of the tests.

If you wish to send an observer to these tests, arrangements can be made through the BLNP Project Manager and R. H. Shell of my staff. If you have any questions concerning this matter, please get in touch with Mr. Shell at FTS 858-2688.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

L. M. Mills, Manager
Nuclear Regulation and Safety

Sworn to, and subscribed before me
this 1st day of Feb. 1982

Paulette N. White
Notary Public

My Commission Expires 9-5-84

cc: See page 2

Boo!
11/1

Mr. Harold R. Denton, Director

February 1, 1982

cc: U.S. Nuclear Regulatory Commission
Region II
Attn: Mr. James P. O'Reilly, Regional Administrator
101 Marietta Street, Suite 3100
Atlanta, Georgia 30303