

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401
400 Chestnut Street Tower II

April 29, 1983

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. 50-390
Tennessee Valley Authority) 50-391

By letter dated February 24, 1983 from T. M. Novak to H. G. Parris, TVA was informed of the NRC staff's position on Boron Dilution Event Response for Watts Bar Nuclear Plant. The subject letter specified that the audible count rate ticker was not audible and/or discrete. TVA has evaluated this item and finds to the contrary that the source range audible ticker is the most recognizable and distinct sound in the control room and can be adjusted to exceed normal comfort sound levels.

Because of the high flux at shutdown alarm, the source range ticker and other visual chart recorders, TVA believes there is adequate audible and discrete information in the control room to determine a boron dilution event. Therefore, the consequences of an unmitigated boron dilution event meet the staff's acceptance criteria for postulated accidents since a single active failure, while possibly disabling the high flux at shutdown alarm, would not preclude that the operator is alerted to a boron dilution event by an audible signal.

If you have any questions concerning this matter, please get in touch with Dave Ormsby at FTS 858-2681.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

L. M. Mills
L. M. Mills, Manager
Nuclear Licensing

Sworn to and subscribed before me
this 29th day of April 1983
Paulette J. White
Notary Public
My Commission Expires 9-5-84

Boo!

cc: See page 2

U.S. Nuclear Regulatory Commission

April 29, 1983

cc: U.S. Nuclear Regulatory Commission
Region II
Attn: Mr. James P. O'Reilly Administrator
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30303