

Joel

Oct 1974
Dec, 11, 1974
May 9, 1975

T. Cozburn

Babcock & Wilcox

Power Generation Group

P.O. Box 1260, Lynchburg, Va. 24505
Telephone: (804) 384-5111

October 29, 1974

SOM-494

RECEIVED

OCT 29 1974

ARKANSAS POWER & LIGHT CO.
ARKANSAS NUCLEAR ONE

Arkansas Power and Light Company
Arkansas Nuclear One, Unit-1
Russellville, AR 72801

Attention: Mr. J. W. Anderson, Jr.

Subject: ACCEPTANCE CRITERIA ON PRESSURIZER LEVEL

Dear Mr. Anderson:

The recent scheduled reactor trip of ANO-1 from 40% FP resulted in the pressurizer level varying from 180 inches to a minimum of 34 inches. The test procedure acceptance criteria for pressurizer level limits the variation in level to 180 inches \pm 140 inches, which puts the level reached during the trip test slightly below the minimum.

The 40 inch level is above the highest pressurizer heater bank and is the heater power cutoff. During normal pressurizer operation the level must be maintained between 40 and 320 inches indicated for the entire system to automatically restore the designed RC pressure and pressurizer level.

During a reactor trip the only requirement which should be imposed on the pressurizer is that the level remain within 0 and 320 inches indicated. The location of the level indication taps ensures that there is a sufficient volume of reactor coolant in the pressurizer at 0 inches indicated and that a steam bubble still exists when the level is 320 inches indicated.

The design of the pressurizer is such that the volume of water remaining in the pressurizer would not be sufficient to keep all the heater banks covered during the cooldown of the reactor coolant following a reactor trip, but was sized to keep the lower head completely full during a reactor trip from 100% FP.

8005290265

Babcock & Wilcox

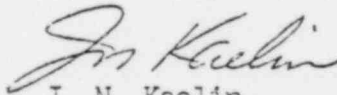
Mr. J. W. Anderson, Jr.
SOM-494, Page 2
October 29, 1974

The acceptance criteria currently in TP 800.14, Turbine/Reactor Trip Test, should be revised to apply only to normal pressurizer system operation (prior to reactor trip) and another acceptance criteria of 0 to 320 inches indicated, be established for the transient associated with a reactor trip.

If you have any questions, please do not hesitate to call.

Very truly yours,

THE BABCOCK AND WILCOX COMPANY



J. N. Kaelin
Site Operations Manager

JNK/JAB/sp

cc: R. Culp (AP&L)
W. Cavanaugh III (AP&L)
G. H. Miller (AP&L)
T. Cogburn (AP&L)
R. J. McConnell
H. J. Worsham
G. M. Olds
K. R. Ellison
J. F. Walters