



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

OCT 13 1978

MEMORANDUM FOR: Zoltan R. Rosztoczy, Chief, Analysis Branch, DSS  
FROM: Paul S. Check, Chief, Reactor Safety Branch, DOR  
SUBJECT: BWR SINGLE-LOOP OPERATIONS

Nine licensed BWRs submitted information over two years ago requesting authorization for single-loop operations. Most of the staff review was completed last year. The remaining item awaited a revised General Electric submittal of their generic LOCA model for single-loop operation. The submittal, NEDO-20566-2, Rev. 1 was received in August 1978. Shortly afterwards on September 14, 1978, the Browns Ferry 1 reactor developed an urgent need to operate with only one recirculation loop. Within three weeks, the single-loop operation of Browns' Ferry 1 was licensed at the maximum feasible power (82%). The action on Browns' Ferry 1 consumed a concentrated application of engineering resources, perturbed schedules for other relatively priority items and required "voluntary" overtime.

Since the need for licensed single-loop operations can occur at any time and the next time the response may not be so quick, we are giving higher priority to approving the nine requests outstanding. Stuart Rubin has the lead on this effort. We would appreciate a timely completion of the AB review of those portions of NEDO-20566-2, Rev. 1 concerning the model.

Paul S. Check, Chief  
Reactor Safety Branch  
Division of Operating Reactors

cc: D. Eisenhut  
D. Ross  
P. Norian  
R. Clark  
J. Hannon  
C. Berlinger  
F. Coffman  
S. Weiss  
R. Woods  
S. Rubin

8406070209 840319  
PDR FOIA  
BELL84-105 PDR



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

AUG 3 1979

*June 1979  
2/2/80  
Make the same  
27462  
27763*

NOTE TO: G. Lainas, Chief, Plant Systems Branch, DOR  
THRU: D. Tondi, Section Leader, Plant Systems Branch, DOR  
FROM: J. Burdoin, Plant Systems Branch, DOR  
SUBJECT: STATUS OF N-1 LOOP OPERATION REVIEWS/TECHNICAL ASSISTANCE CONTRACT

Concerning the question of continued effort in the review of licensee's requests for Technical Specification (TS) changes for N-1 loop operation, it has been decided by the Operating Reactors Branch 1 Chief, (Mr. Schwencer) to complete the reviews (I&C portion) for Zion and Beaver Valley. The reasoning being that the reviews for these two plants are well advanced (response to questions have been received from the licensee); and it would be inappropriate to stop the reviews before they are completed. No reviews for other PWRs will take place until this effort is given a higher priority by DOR.

The Chief of Operating Reactors Branch 3 (Mr. Ippolito) has suggested we contact these licensee's of BWRs who initially submitted requests in the Fall of 1976 for TS changes to permit single loop operation to determine whether or not they still desire this TS modification. The original submittals did not include an ECCS analysis with one recirculation loop out-of-service. GE submitted their "analytical model for LOCA with one recirculation loop out-of-service" in July 1978, and the Reactor Safety Branch is presently completing their review of the model. Those licensee's who still want the change will have to update their original submittals to address GE's most recent analytical LOCA model. Upon receipt of this new information we can, given that our priorities permit, continue the BWR reviews. *We are doing this now.* (\*)

In the past, it has been necessary to perform on a "crash basis" a review to allow operation in the single loop mode, as a one-time-event, for several BWR plants: Oyster Creek, Browns Ferry, Big Rock Point, etc. To avoid these emergency quick-turn-around reviews, it is to our advantage to complete the task of N-1 loop reviews for BWRs. To this end, it is suggested that management establish a priority for this task to allow the work to be completed on a timely basis. These reviews are presently assigned to a technical

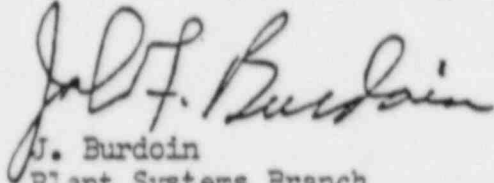
\* Why does PSB have to wait LOCA update? Will I&C portion change?

~~7908270083~~

AUG 3 1979

- 2 -

assistance contractor. If this issue is not resolved, these reviews will have to be removed from the contract and the manpower reassigned to other tasks.



J. Burdoin  
Plant Systems Branch  
Division of Operating Reactors

cc: T. Ippolito  
A. Schwencer  
G. Zech  
P. Check  
R. Woods  
S. Rubin  
~~R. Bevan~~  
J. Hannon  
T. Kevern  
V. Rooney  
P. Shemanski  
D. Tondi  
J. Burdoin  
E. Reeves  
D. Wiggington