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December 4, 1978  
File: 0274, M-506,  
M-507, M-538

Babcock & Wilcox Company  
P. O. Box 1260  
Lynchburg, Virginia 24505

TBW 503

Attention: Mr. A. H. Lazar  
Senior Project Manager

Subject: Davis-Besse Nuclear Power Station Unit 1  
Dual Level Setpoints on Steam Generators For  
Auxiliary Feedwater System

Dear Al:

At the meeting on this subject in your office on November 27, 1978, it was decided that further analysis is required to support the safety evaluation of the proposed dual level control setpoints on the steam generators.

Please provide analysis and required steam generator levels for the following conditions:

- 1) Loss of main feedwater flow with reactor coolant pumps running and the reactor at 15% power.
- 2) Loss of offsite power incident and the effects on the pressurizer level at various power levels.
- 3) Normal reactor trip at low power.
- 4) Small breaks requiring high pressure injection pump operation with one reactor coolant pump operating or with one or two reactor coolant pumps per loop operating.
- 5) Rechecking of small break analysis (BAW-10,075A, Rev. 1), considering interim operation and ultimate operation after the dual setpoint change has been installed.

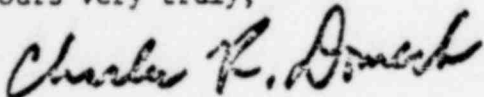
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- 6) Your evaluation as to whether or not reactor coolant pump running status should be included in the dual setpoint control logic.
- 7) Other analyses that B&W may find are necessary as a result of the above.

Please provide a schedule for these analyses and further definition of the extent of the analysis. We have been asked by NRR, NRC, to provide them with a written report to support continued operation (with operator action) and operation after the dual level setpoint change has been installed.

Yours very truly,



Charles R. Domeck  
Nuclear Project Engineer  
Power Engineering & Construction

CRD:FRM

db a/12-13

cc:

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