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1400 Opus Place  
Downers Grove, Illinois 60515

March 4, 1992

Dr. Thomas E. Murley  
Office of Nuclear Reactor Regulation  
U. S. Nuclear Regulatory Commission  
Washington D.C. 20555

Subject: Byron Station Units 1 and 2  
Braidwood Station Units 1 and 2  
Notification of Bases Changes to the  
Technical Specifications  
NRC Docket Nos. 50-454/455 and 50-456/457

Dear Dr. Murley:

Commonwealth Edison is notifying you of two bases changes to the Byron and Braidwood Station Technical Specifications. The change to Bases page 3/4 3-3 removes a reference to a Low T (average) signal in the description of the P-4 Interlock Functions. The change to Bases page 3/4 3-4 deletes a reference to magnetic tape as the medium for recording seismic data.

Attachment A provides a description of each change. Included in Attachment B are the marked up Bases pages for both stations.

Both of these changes are the result of plant modifications which have been evaluated pursuant to 10CFR 50.59, and have been reviewed in accordance with CECO procedures.

Please direct any questions you may have on this matter to this office.

Very truly yours,

T.W. Simpkin  
Nuclear Licensing Administrator

Attachment A: Description of Changes  
Attachment B: Revised Bases Pages

cc: R.M. Pulsifer - NRC  
A.H. Hsia - NRR  
S. Dupont - Braidwood, Senior Resident  
W. Kropp - Byron, Senior Resident  
B. Clayton - RIII

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ATTACHMENT A  
SUMMARY OF PROPOSED CHANGES

Bases page B 3/4 3-3:

This bases is being changed to delete the reference to a Low T-ave signal in the discussion of the actuations associated with the P-4 interlock. The modification performed affecting this bases involved the removal of the check valves in the feedwater bypass lines to optimize the feedwater flow distribution between the upper and lower nozzles under full power conditions. This modification also deleted the Low T-ave input to the Feedwater Isolation logic, such that a Feedwater Isolation signal is generated with any P-4, or Reactor Trip signal. The previous configuration generated the Feedwater Isolation only if the P-4 signal existed coincident with a Low T-ave signal. The purpose of removing the Low T-ave input is to ensure a Feedwater Isolation on all Reactor Trips. This would protect the steam generator preheater section from water hammer due to the introduction of cold Auxilliary Feedwater into the preheater. With the feedwater bypass line check valves removed, a flowpath from the tempering line to the main feedwater line via the feedwater bypass line was created, absent prompt operator action to manually close the bypass line isolation valve. The modification ensures the preheater will be protected from waterhammer due to cold Auxilliary Feedwater flow automatically upon receipt of a Reactor Trip signal. A simplified diagram of the feedwater arrangement is attached.

Bases page B 3/4 3-4:

This bases change involves the deletion of the words "on magnetic tape" in the discussion of the triaxial accelerometer and time history recorder. This bases revision is required due a modification recently performed on Braidwood's Seismic Monitoring system. Byron Station is considering a similar modification. Due to reliability problems encountered with the magnetic tape drives, they have been replaced with solid state memory devices at Braidwood. The change to a more recent design is expected to significantly improve the overall reliability of the system. Because only the method of data retention is affected, there is no impact on the ability of the system to detect and annunciate a significant seismic occurrence, and the availability of the data retention features are enhanced.

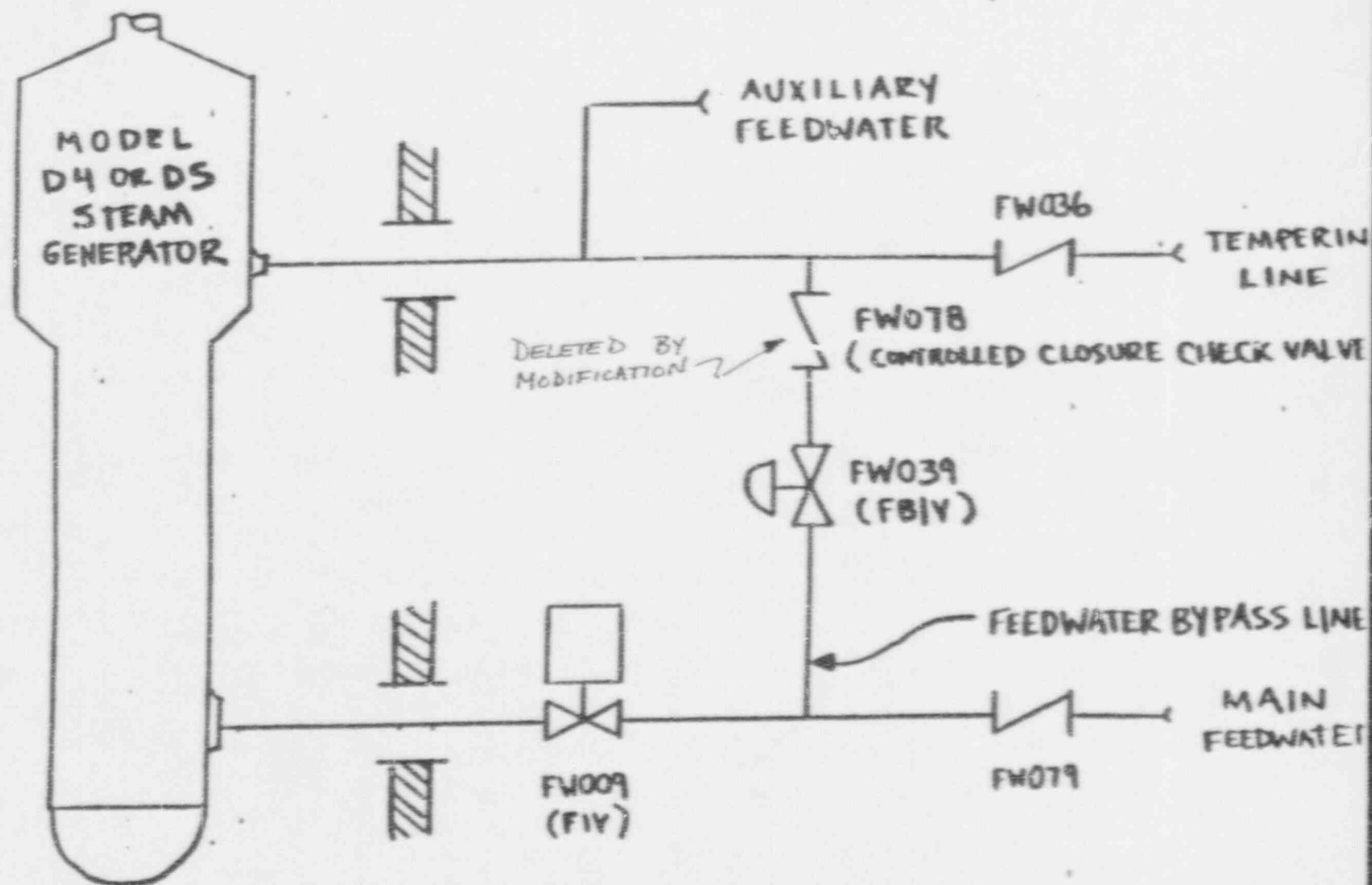


FIGURE 1

ARRANGEMENT OF MAIN AND BYPASS FEEDWATER LINES AT BYRON/BRAIDWOOD