

JAN 21 1977

Docket Nos. 50-438
and 50-439

Tennessee Valley Authority
ATTN: Mr. Godwin Williams, Jr.
Manager of Power
830 Power Building
Chattanooga, Tennessee 37201

Gentlemen:

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REQUEST FOR ADDITIONAL INFORMATION - BELLEFONTE NUCLEAR PLANT
REF: GILLELAND TO PARR LETTER DATED AUGUST 11, 1976

We have reviewed the information regarding the proposed Bellefonte Nuclear Plant ECCS automatic switchover design from injection to recirculation mode of operation. We find that additional information is necessary to complete our evaluation of this post-CP item. The information requested is described in the Enclosure.

Please provide us with the requested information within thirty days.

Sincerely,

Original Signed by
O. D. Parr

Olan D. Parr, Chief
Light Water Reactors Branch No. 3
Division of Project Management

Enclosure:
Request for Additional
Information

cc: See next page

438 GD
ECCS 2

OFFICE	LWR #3	LWR #3			
SURNAME	WPike/LLM	ODParr			
DATE	1/19/77	1/19/77			

Tennessee Valley Authority

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JAN 21 1977

cc: Herbert S. Sanger, Jr., Esq.
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REQUEST FOR ADDITIONAL INFORMATION

BELLEFONTE NUCLEAR PLANT, UNITS NO. 1 AND 2

Docket Nos. 50-438/439

6.101 Insufficient information is provided in your August 11, 1976 letter concerning the Bellefonte ECCS automatic switchover and regarding the remaining operator manual actions necessary to transfer ECCS flow from BWST to the RB emergency sump. Since the ECCS automatic switchover design incorporates only automatic opening of the emergency sump valves, provide all other necessary operator manual actions, including respective estimated available times to perform each function that will be identified by procedure to complete the changeover operation from injection mode to recirculation mode. Show that the cumulative time to perform all required functions is less than the expected time for the BWST coolant to be exhausted following automatic opening of the emergency sump valves. Provide such analysis for two postulated cases: (1) a LOCA resulting from a double-ended rupture of the RC piping--Design Basis Accident, and (2) a LOCA resulting from a small or intermediate size break in the RC piping where the RC system pressure may be slightly above the LPI system discharge pressure, thereby requiring HPI pump operation during the recirculation mode.