



Docket No. 50-346

License No. NPF-3

Serial No. 676

January 9, 1981

RICHARD P. CROUSE
Vice President
Nuclear
(419) 259-5221

Director of Nuclear Reactor Regulation
Attention: Mr. Robert W. Reid, Chief
Operating Reactors Branch No. 4
Division of Licensing
United States Nuclear Regulatory Commission
Washington, D. C. 20555

Dear Mr. Reid:

On January 5, 1981 Toledo Edison submitted (letter Serial No. 675) a package to support de-automation of Incident Level 5 of the Safety Features Actuation System (SFAS) at the Davis-Besse Nuclear Power Station, Unit 1 (DB-1). Also on that day members of my staff met with you and your staff in Bethesda, Maryland to discuss this proposal for manual action to provide appropriate long term post-loss of coolant accident (LOCA) core cooling.

Several discussions have transpired since that time with your staff. As a result we have altered the proposed modification compared to the one presented on January 5, 1981. This letter transmits the electrical drawings marked up to describe the current proposed electrical changes. Specifically, the proposed modification retains the SFAS Incident Level 5 to provide a permissive function for operator action. Details of proposed procedure modifications, as well as the request for a license amendment and safety evaluation, will be revised from our January 5, 1981 submittal and will be transmitted when completed.

Very truly yours,

RPC:TJM:slc

Attachments

cc: DB-1 NRC Resident Inspector

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List of Attachments

1. Elementary E52B, Sh. 19A, B, C As-is
2. Elementary E52B Sh. 19A, B, C As proposed
3. E16 Sh. 1
4. E30B Sh. 7, 8

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LEGEND

<u>Device/Symbol</u>	<u>Description</u>
M	Motor Operated Valve (MOV) as shown in title block of elementary
MA	Other MOV, (on sheet 19A it is sump valve. On sheet 19B it is BWST valve).
N	Local Control Station
B	Motor Control Center
E	Junction termination box near valve
C	Main Control Board
CD	Disconnect Switch Cabinet (the function of this switch is to disconnect controls from the main control room. This is for use when control room has to be vacated).
DS	Disconnect Switch Contact (see above).
SA1, 2, 3, 4	Safety Feature Actuation System (SFAS) Cabinet CH1, 2, 3, 4.
$\frac{CS}{Open}$, $\frac{CS}{Close}$	Handswitch on Main Control Board
$\frac{33}{ac}$, $\frac{33}{bc}$, $\frac{33}{ao}$, $\frac{33}{bo}$	MOV limit switches (See E30B Sh 8 for operation)
KA, KB	SFAS Level 2 output relays, contact shown in "Relay De-energized" position, i.e. Level 2 actuated position.
KC, KD	SFAS Level 5 output relays. Contacts shown in "Relay De-energized" position, i.e. Level 5 actuated position.
TR, TR1, CL, CL1	Wire Numbers