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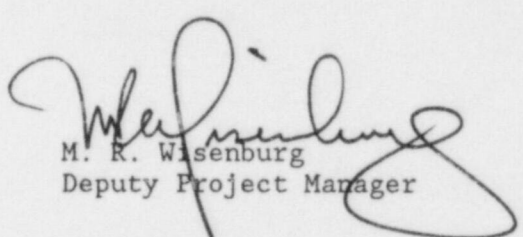
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U. S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, DC 20555

South Texas Project
Units 1 and 2
Docket Nos. STN 50-498, STN 50-499
FSAR Revision Concerning
the CR/EAB FMEA

Enclosed is a annotated revision to FSAR Table 9.4-5.1 regarding the control room and electrical auxiliary building FMEA. The attached revision clarifies the effect of inadvertent energization of the control room heater. The attached is provided for the staff's immediate use and will be incorporated in a future FSAR amendment. We believe that this change does not impact conclusions previously documented in the Safety Evaluation Report.

If you should have any questions on this matter, please contact Mr. M. E. Powell at (713) 993-1328.


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Deputy Project Manager

MEP/yd

Attachment: Annotated revision to FSAR Table 9.4-5.1

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TABLE 9.4-5.1 (Continued)

CONTROL ROOM & ELECTRICAL AUXILIARY BUILDING HVAC

FAILURE MODES AND EFFECTS ANALYSIS

DESCRIPTION OF COMPONENT	SAFETY FUNCTIONS	PLANT OPERATING MODE	FAILURE MODE(s)	METHOD OF FAILURE DETECTION	FAILURE EFFECT ON SYSTEM SAFETY FUNCTION CAPABILITY
Duct reheat coils (typical) (i.e., room heaters)	None	1 - 6*	One heater fails to deenergize	<ul style="list-style-type: none"> ESF status monitoring 	None - Thermostatic control will act as a back-up.
Toilet/Kitchen exhaust Dampers (typical) (normally open)	To close and isolate	1 - 6*	One damper fails to close	<ul style="list-style-type: none"> Position indication ESF status monitoring 	None - The damper in series will close.
Toilet/Kitchen exhaust Fan	To stop running	1 - 6*	Fails to deenergize	<ul style="list-style-type: none"> Status indication 	None - The isolation dampers will have closed
DC Power Source (Channels I, II, IV)	Provide DC power	1 - 6*	Lose one DC Channel	<ul style="list-style-type: none"> ESF status monitoring DC trouble alarm 	None - All components fail in their safe emergency state.
Essential Chilled Water pumps (typical)	Operate and deliver cooling water	1 - 6*	One pump fails to provide adequate flow	<ul style="list-style-type: none"> Status indication ESF status monitoring 	None - Each train is 50% thus loss of one train will leave 100% capacity.

*Note (Modes)

- Power Operation
- Startup
- Not Standby

- Hot Shutdown
- Cold Shutdown
- Refueling

9.4-112

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Note

Should the main control room heater inadvertently energize, manual action can be initiated in 30 min. to deenergize the heater thereby reducing the control room temperature. Peak temperature will not affect the operability of control room equipment.