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JUN 19 1980

MEMORANDUM FOR: B. J. Youngblood, Chief, Licensing Branch No. 1, DOL
A. Schwencer, Chief, Licensing Branch No. 2, DOL;
Acting Chief, Licensing Branch No. 3, DOL

FROM: R. M. Satterfield, Chief, Instrumentation & Control Systems Branch, DSI

SUBJECT: INFORMATION REQUIRED BY ICSB TO RESOLVE TASK ACTION PLAN AND NON-TMI OPEN ISSUES

Reference: Memo from R. Tedesco on OL Scheduling Information dated June 11, 1980

The referenced memo provided a matrix of scheduling dates for the upcoming OLs. We find that, for many of the items wer are responsible for, we have received none of the information needed to complete our review. The purpose of this memorandum is to identify those items that we believe are the responsibility of ICSB and to request your assistance in obtaining the information from the applicants needed to resolve these items. Enclosure 1 provides a summary of Task Action Plan items requiring ICSB input and indicates the assigned ICSB reviewer for each item. Enclosure 2 provides a break down of these Task Action Plan items by fuel loading, full power, and dated requirements to indicate where information is required from each of the upcoming OL applicants to complete ICSB's review effort. We request that the Project Managers for each plant listed, provide our reviewers with the information required (or the FSAR amendment number containing the information). If the information is yet to be submitted, we need the expected submittal date.

Enclosure 3 provides a list of Non-TMI outstanding items for the first 10 OLs upcoming. This list of outstanding issues was taken in part from R. Tedesco's memos of May 12 and 19, 1980.* In addition we have added the following three items to a number of the cases for the reasons noted.

1. Bulletin 79-27 required a response to concerns on instrument bus failures from North Anna 2, Diablo Canyon, McGuire, Salem 2, Sequoyah, and Zimmer. We believe that all other applicants will need to address these concerns.

2. Bulletin 80-06 addressed concerns related to ESF reset controls. This Bulletin did not require a response from NTOL applicants. Due to this concern, a draft letter to all OL applicants (Enclosure 4) was prepared by ICSB to solicit a response to these concerns. Some applicants have provided a partial response noting a complete response will be provided to respond to Bulletin 80-06. All applicants did not receive the ICSB request for information and action is required to request a response from those that did not receive it.

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*The referenced memo indicates ICSB for action on equipment qualification.

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3. Bulletin 79-21 addressed concerns related to level instrument errors due to environmental effects on the instrument reference legs used in the measurement system. A generic question (Enclosure 5) was prepared to request a response to these concerns. All applicants did not receive the ICSB request for information and action is required to request a response from those that did not receive it.

As with responses to Action Plan items, Project Managers should help assure that ICSB reviewers receive information provided by OL applicants to close out Non-TMI issues.

Summaries of Non-TMI issues and assigned ICSB reviewers for the last 10 plants included in the referenced memo will be prepared at a later date.

Original signed by:
Thomas M. Dunning

T. G. Dunning, Section Leader
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Enclosures:
As stated

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ENCLOSURE 1

TASK ACTION PLAN ITEMS REQUIRING ICSB INPUT

TASK ACTION PLAN ITEM		ICSB ACTION REQUIRED	LEAD BRANCH	ICSB REVIEWER	PRIORITY CATEGORY	SCHEDULE
II.B.1	Reactor Coolant System Vents*	Controls to be installed in Control Room. May require review.	RSB(W. Jenson)	R. Stevens	NTOL	Design by 1-1-80 Installation by 1-1-81
II.D.3	Relief and Safety Valve Position Indication	Review design for indicating position on flow.	ICSB(Rosenthal)	R. Stevens	NTOL	Implementation on ORs complete. Implement-ation on OLs prior to full power.
II.E.1.1	AFW System Evaluation*	Provide lead reviewer with design info as required.	ASB(LeFave)	Thatcher/Stevens/Kendall	NTOL	ORs - see action plan OLs - prior to full power
II.E.1.2	AFW System Automatic Initiation and Flow Indication*	Review designs - draft SER input.	ICSB(Thatcher/ Stevens/Kendall)	Thatcher/Stevens/Kendall	NTOL	ORs - January 1, 1981 OLs - Prior to fuel loading.
II.E.4.2	Isolation Dependability	Review details of isolation circuitry	CSB(Fields)	R. Wilson	NTOL	ORs - See Action Plan OLs - Prior to full power
II.F.1	Additional Accident Monitoring Instrument-ation	Review adequacy of instru-mentation provided.	ICSB(Morris)	B. Morris	NTOL	ORs - 1-1-81 OLs By 1-1-81 or prior to fuel load.
II.F.2	Identification of and Recovery from Conditions leading to Inadequate Core Cooling*	Review adequacy of instru-mentation provided.	CPB(Phillips)	B. Morris	NTOL	ORs - 1-1-81 OLs - 1-1-81 or prior to fuel loading.
II.K.1	IE Bulletins	Review responses to Items 17 21, 23, and 28, Table C.1., of Action Plan.	RSB(?)	21 - R. Wilson 23 - B. Morris 28 - J. Burdoin	NTOL	See Action Plan

TASK ACTION PLAN ITEM		ICSB ACTION REQUIRED	LEAD BRANCH	ICSB REVIEWER	PRIORITY CATEGORY	SCHEDULE
II.K.3	Final Recommendation of B&O Task Force	Review Responses of Items 1, 5, 9, 10, 14, 15, 16, 18, 21, 22, 27, 44 of Table C.3, Task Action Plan	(?)	1, 5, 9, 10 - J. Burdoin 14, 15, 16, 18, 21, 22, 27, 44 Thatcher/Stevens	NTOL	See Action Plan
II.K.2	Commission Orders on B&W Plants	Review Responses to Items 9 and 10 of Table C.2 of Task Action Plan.	RSB(?)	R. Wilson	Priority Group I	See Action Plan
II.C.3	Systems Interaction*	Yet to be decided. There is a need to assess the effects of HELBs on unqualified equipment.	SIB	B. Morris	Priority Group I	See Action Plan
I.D.2	Plant Safety Parameter Display Console*	Assist. HFEB in determining requirements applicable to instrumentation to be installed. Review adequacy of equip. designs w/HFEB.	HFEB(Beltracchi)	H. Li	Priority Group I	Issue Requirements by August 1980. Implement by January 1982.
II.E.5	Design Sensitivity of B&W Reactors*	Assess role of control/protection systems play in responding to plant upsets	RSB	Rosenthal/Wilson	Priority Group II	See Action Plan
II.F.3	Reg. Guide 1.97	Review and comment on changes to the guide. Issue letters to all licensees requiring compliance.	ICSB(Lanik)	G. Lanik	Priority Group II	FY-82.
II.H.1	TMI Safety Evaluation*	Assist TMI Program Office as required.	TMI Program Office		Priority Group I	As required.
II.F.5	Classification of Instrumentation, control and electrical equipment.	In conjunction with OSD, IEEE, develop criteria for Class II E Systems.	OSD(Wenzinger)		(?)	Produce draff guide by September 1980.

ENCLOSURE 2

TASK ACTION PLAN ITEM	Diablo Canyon	Farley 2	McGuire 1,2	N. Anna 2	San Ono. 2,3	Summer	Salem 2	Sequoyah 1	LaSalle 1,2	Shoreham	Watts Bar 1,2	Susquehanna 1,2	Fermi 2	Comanche Peak	Waterford 3	Grand Gulf	Bellefonte	WNP-2	Midland 1,2	Zimmer
FL & LO PWR Test Requirements																				
II.D.3	R	R	R	C	R	R	C	C	R	R	R	R	R	R	R	R	R	R	R	R
II.E.1.2 (CTL Grade)	R	R	R	C	R	R	C	C	R	R	R	R	R	R	R	R	R	R	R	R
II.F.2	R	R	R	C	R	R	C	C	R	R	R	R	R	R	R	R	R	R	R	R
II.K.1																				
C.1.17 Westinghouse	R	R	R	C	-	R	C	C	-	-	R	-	-	R	-	-	-	-	-	-
C.1.21 B&W	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	R	-	R	-
C.1.23 GE	-	-	-	-	-	-	-	-	R	R	-	R	R	-	-	R	-	R	-	R
C.1.28 PWR	R	R	R	C	R	R	C	C	-	-	R	-	-	R	R	-	R	-	R	-
II.K.3																				
C.3.9 Westinghouse	R	R	R	C	-	R	C	C	-	-	R	-	-	R	-	-	-	-	-	-
C.3.12 Westinghouse	R	R	R	C	-	R	C	C	-	-	R	-	-	R	-	-	-	-	-	-
FP Requirements																				
II.B.1 PWR	R	R	R	R	R	R	R	R	-	-	R	-	-	R	R	-	R	-	R	-
II.E.1.1 PWR	R	R	R	R	R	R	R	R	-	-	R	-	-	R	R	-	R	-	R	-
II.K.2																				
C.2.9 B&W	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	R	-	R	-
C.2.10 B&W	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	R	-	R	-
Dated Requirements																				
II.B.1	R	R	R	R	R	R	R	R	-	-	R	-	-	R	R	-	R	-	R	-
II.E.1.2 (Safety Gr.)	R	R	R	R	R	R	R	R	-	-	R	-	-	R	R	-	R	-	R	-
II.F.1	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
II.F.2	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Prop. Dated Requirements																				
II.K.3																				
C.3.13 GE	-	-	-	-	-	-	-	-	R	R	-	R	R	-	-	R	-	R	-	R
C.3.15 GE	-	-	-	-	-	-	-	-	R	R	-	R	R	-	-	R	-	R	-	R
C.3.18 GE	-	-	-	-	-	-	-	-	R	R	-	R	R	-	-	R	-	R	-	R
C.3.21 GE	-	-	-	-	-	-	-	-	R	R	-	R	R	-	-	R	-	R	-	R
C.3.22 GE	-	-	-	-	-	-	-	-	R	R	-	R	R	-	-	R	-	R	-	R
C.3.27 GE	-	-	-	-	-	-	-	-	R	R	-	R	R	-	-	R	-	R	-	R

C - Complete

R - Response Required

- * Not applicable

ENCLOSURE 3

INSTRUMENTATION AND CONTROL SYSTEMS BRANCH

NON-TMI OUTSTANDING ISSUES

PRIORITY	PLANT	OPEN ITEMS	REVIEWER
1	Diablo Canyon	1. 79-27 Response	D. Wilson
		2. 80-06 Response	D. Wilson
2	Farley Unit 2	1. 79-27 Response	D. Wilson
		2. 80-06 Response	D. Wilson
		3. Level Inst. Errors	R. Kendall
3	McGuire	1. 79-27 Response	D. Wilson
		2. 80-06 Response	D. Wilson
		Level Inst. Errors	R. Stevens
		4. Contmt. Press Xmtr Qual.	R. Stevens
4	North Anna 2	1. 79-27 Response	D. Wilson
		2. 80-06 Response	D. Wilson
5	San Onofre	1. Site Visit	D. Thatcher
		2. PPS PWR Supply Independence	D. Thatcher
		3. Bypass of RPS Channel	D. Thatcher
		4. 79-27 Response	D. Wilson
		5. 80-06 Response	D. Wilson
		6. Level Inst. Errors	R. Kendall
6	Summer	1. Site Visit	H. Li
		2. 79-27 Response	D. Wilson
		3. 80-06 Response	D. Wilson
		4. Level Inst. Errors	R. Kendall
7	Salem Unit 2	1. 79-27 Response	D. Wilson
		2. 80-06 Response	D. Wilson
8	Sequoyah	1. 29-27 Response	D. Wilson
		2. 80-06 Response	D. Wilson
9	LaSalle	1. Technical Specifications	D. Thatcher
		2. Physical separation and elect. isolation	D. Thatcher
		3. ATWS	D. Thatcher
		4. Test techniques does not satisfy IEEE Std. 279-1971 (pull fuses)	D. Thatcher
		5. Class IE sys. sensors may exceed range in the worst case	D. Thatcher
		6. Drawings incomplete to complete our review	D. Thatcher
		7. RCI should be classified safety-grade	D. Thatcher

PRIORITY	PLANT	OPEN ITEMS	REVIEWER
		8. Additional analysis required to substantiate only one pump for the SCSC-ECWS pumps in the RHR loop required during a LOCA	D. Thatcher
		9. Safety-related display does not satisfy IEEE 279-2971	D. Thatcher
		10. Rod block monitor should meet all criteria applicable to a reactor trip system	D. Thatcher
		11. MSIV leakage cont. sys. is not single failure proof	D. Thatcher
		12. Site visit to be conducted by the Staff	D. Thatcher
		13. 79-27 Response	D. Wilson
		14. 80-06 Response	D. Wilson
		15. Level Inst. Errors	R. Kendall
10	Shoreham	1. Insts. Required for Safety	H. Li
		2. Leak Detn. System	H. Li
		3. Non-Safety grade Equip.	H. Li
		4. LPCI System	H. Li
		5. Startrek System	H. Li
		6. Motor Space Heater	H. Li
		7. Rx Trip Power Supply	H. Li
		8. 79-27 Response	D. Wilson
		9. 80-06 Response	D. Wilson
		10. Level Inst. Errors	R. Kendall