



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

October 26, 1988

Docket No. 50-601 and 50-605
Project Nos. 669, 675, and 676

MEMORANDUM FOR: L. Shao, Director
Division of Engineering and
System Technology, NRR

B. Grimes, Director
Division of Reactor Inspection
and Safeguards, NRR

F. Congel, Director
Division of Radiation Protection
and Emergency Preparedness, NRR

J. Roe, Director
Division of Licensee Performance and
Quality Evaluation, NRR

R. W. Houston, Director
Division of Safety Issue Resolution, RES

B. Sheron, Director
Division of Systems Research, RES

FROM: Charles L. Miller, Director
Standardization and Non-Power
Reactor Project Directorate
Division of Reactor Projects III, IV,
V and Special Projects, NRR

SUBJECT: STATUS REPORT ON STANDARD PLANT DESIGN TECHNICAL REVIEWS

Attached is the October status report concerning the current review milestones for each of the standard plant projects (EPRI, ABWR, RESAF SP/90, and CE System 80+).

Note the "Due Date" column reflects dates established in the January 25, 1988 "Revised Program Plan For Standard Plant Reviews" or dates for which modification was agreed to by PDSNP and the review branch.

CONTACT:
T. Kenyon, NRR/PDSNP
492-1120

8811020096 881026
PDR ADOCK 05000601
A PDC

DF03
11

The column "Expected Input Date" reflects input from appropriate technical branch management. Category 1 items have been discussed with the appropriate Assistant Directors. I request any problems in meeting these input dates be identified to me by the appropriate Assistant Director within a week of receipt of this memo.

Charles L. Miller
Charles L. Miller, Director
Standardization and Non-Power
Reactor Project Directorate
Division of Reactor Projects III, IV,
V and Special Projects, NRR

Enclosure:
As stated

cc: T. Murley
J. Sniezek
F. Miraglia
D. Crutchfield
L. Rubenstein
J. Richardson
C. Y. Cheng
L. B. Marsh
C. McCracken
A. Thadani
J. Joyce
J. Mauk
F. Rosa
J. Craig
M. W. Hodges
B. Grimes
R. Erickson
D. Matthews
R. Barrett
L. Cunningham
J. Zwolinski
S. Weiss
W. Regan, Jr.
J. Murphy
G. Bagchi
S. Newberry

October 26, 1988

- 2 -

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/s/

Charles L. Miller, Director
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Reactor Project Directorate
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11

Date: October 26 1988

REVIEW STATUS REPORT ON
WESTINGHOUSE RESAR SP/90
PDA REVIEW

Division/ Branch	Reviewer	Modules	Subject*	Milestone	Due Date	Expected Input Date	Cat.**	Comments
DEST/EMTB	Johnson	1, 4, 5, 6&8, 7, 10	Materials Engineering	Draft SER to P.M.	3/31/88	4/29/88 5/5/88	4	Complete
DEST/EMEB	Rajan/Brammer***	1, 4, 5, 7,	Mechanical Engineering	Draft SER to P.M.	10/31/88	10/31/88	2	DSER in typing
DEST/ESGB	Staley	3	Hydrology	Draft SER to P.M.	3/31/88	3/30/88	4	Complete
	Giese-Koch	2	Geology & Seismology	Draft SER to P.M.	3/31/88	3/30/88	4	Complete
	Chan	7	Civil Engineering	Draft SER to P.M.	4/29/88	4/28/88	4	Complete

* See September 29, 1987 memo for complete listing of review assignments

** Category definitions:

1. AD or above attention requested
2. Branch Chief attention requested
3. On schedule
4. Complete

*** Brammer providing assistance

Date: October 26, 1988

REVIEW STATUS REPORT ON
WESTINGHOUSE RESAR SP/90
PDA REVIEW
(Cont.)

Division/ Branch	Reviewer	Modules	Subject*	Milestone	Duc Date	Expected Input Date	Cat.**	Comments
DEST/ECEB	Wing	1, 6&8, 10, 13	Chemical Engineering	Draft SER	3/31/88	3/17/88	4	Complete
	Notley	13	Fire Protection	Draft SER to P.M.	7/15/88	9/01/88	4	Complete
DEST/SICB	Burrows	9, 13, 15	Instrumentation & Controls	Draft SER to P.M.	3/31/88	4/07/88	4	Complete
DEST/SELB	Trehan	9, 13	Electrical Engineering	Draft SER to P.M.	3/31/88	4/13/88	4	Complete
DEST/SPLB	Shum (lead)	1, 10, 13	Containment Systems	Draft SER to P.M.	6/21/88	6/21/88	4	Complete
	Shum (lead)	6&8, 10, 12, 13	HVAC Systems, Waste Management, Steam & Power Conversion	Draft SER to P.M.	6/21/88	6/21/88	4	Complete

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REVIEW STATUS REPORT ON
WESTINGHOUSE RESAR SP/90
PDA REVIEW
(Cont.)

Division/ Branch	Reviewer	Modules	Subject*	Milestone	Due Date	Expected Input Date	Cat.**	Comments
DEST/SPLB (cont.)	Shum (lead)	4, 6&8, 7, 13	Plant Systems	Draft SER to P.M.	6/21/88	6/21/88	4	Complete
DEST/SPLB	Tinkier	1E	PRA	Review DSER re: PRA	11/14/88	11/14/88	2	
DEST/SRXB	Liang	1, 4, 5, 6&8, 9, 10, 11, 12	Reactor Systems	Draft SER to P.M.	6/28/88	6/28/88	4	Complete
DEST/SRXB	Liang	16	PRA	Review DSER re: PRA	11/14/88	11/14/88	3	Reviewers providing Assistance to SPLB
DRIS/RSGB	Mendelsohn	2	Physical Security	Draft SER to P.M.	3/31/88	3/22/88	4	Complete
DLPQ/LQAB	Spraul	13	Quality Assurance	Draft SER to F.M.	4/29/88	4/06/88	4	Complete

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REVIEW STATUS REPORT ON
WESTINGHOUSE RESAR SP790
PDA REVIEW
(Cont.)

Division/ Branch	Reviewer	Modules	Subject*	Milestone	Due Date	Expected Input Date	Cat.**	Comments
DLPQ/LHFB	Lapinski	15	Control Room/Human Factors Engineering	Draft SER to P.M.	3/31/88	5/05/88	4	Complete
DREP/PRPB	Spickler	1, 3, 4, 5, 6&8, 9, 10	Radiological Accident Analysis	Draft SER to P.M.	8/01/88	8/12/88	4	Complete
	Skopec	12	Process & Effluent Radiological Monitoring & Sampling Systems	Draft SER to P.M.	7/15/88	7/13/88	4	Complete
DREP/PRAB	Margulies	16	PRA	Review DSER re: PRA	11/14/88	11/14/88	3	
RES/PRA	Chelliah/BNL	16	Probabilistic Safety Study - back end	Draft SER to P.M.	7/15/88	7/15/88	4	Complete

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REVIEW STATUS REPORT ON
GE APWR
FDA/DC REVIEW

Division/ Branch	Reviewer	SRP Chapter	Subject	Milestone	Due Date	Expected Input Date	Cat.*	Comments
DEST/SPLB	Chandrasekaran	9	Plant Systems	RAIs to P.M.	9/30/88		4	
DEST/SPLb	Chandrasekaran	11	Plant Systems	RAIs to P.M.	9/30/88		2	
DEST/SRXB	Thomas	5, 6, 15	Reactor Systems	RAIs to P.M.	10/01/88	10/01/88	4	a revised schedule has been developed so as not to slip the SER issue date (3/30/89), DEST has agreed to the proposed schedule
DEST/SELB	Lazevnick	8, 9	Power Systems	RAIs to P.M.	9/30/88	?	2	
DEST/ECEB	Witt	7,8,9,11,12,13, 14, & 17	Chemical Engineering	RAIs To P.M.	9/30/88	8/14/88	4	
DRIS/RSGB	Mendelsohn	13	Safeguards	RAIs to P.M.	9/30/88		4	
DLPQ;LQAB	Sprua!	17	QA	RAIs to P.M.	-	-	3	

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Date: October 26, 1988

REVIEW STATUS REPORT ON
GE ABWR
FDA/DC REVIEW
(Cont.)

Division/ Branch	Reviewer	SRP Chapter	Subject	Milestone	Due Date	Expected Input Date	Cat.*	Comments
DREP/PRPB	Brown	15	Radiation Protection	Draft SER	7/31/88	9/30/88	2	8/19/88 memo committing to to 9/30/88 SER input
DREP/PRPB	Pedersen	12	Radiation Protection	RAI to P.M.	9/30/88	10/29/88	4	
DEST/EMEB	Rajan	4, 5, 6, 15	Mechanical Engineering (Code Cases)	Draft SER	7/31/88	9/29/88	4	
DEST/EMEB	Rajan	1, 2, 3	Mechanical Engineering	RAIs to P.M.	6/30/88	9/13/88	4	

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Date: October 26, 1988

REVIEW STATUS REPORT ON
CE SYSTEM 80+
CESSAR-DC REVIEW

Division/ Branch	Reviewer	Chapter	Subject	Milestone	Due Date	Expected Input Date	Cat.*	Comments
DEST/EMTB	M. Hum	4 Rev B	Reactor	RAI	07/10/88	10/13/88	4	
DEST/EMTB	M. Hum	5 Rev B	Reactor Coolant System	RAI	07/10/88	10/13/88	4	
DEST/EMEB	J. Rajan	5 Rev C	Reactor Cooling System	RAI	09/30/88	09/30/88		No Comments
DEST/SRXB	L. Kopp	5 Rev C	Reactor Cooling System	RAI	09/30/88	09/30/88	2	
DEST/EMTB	M. Hum	5 Rev C	Reactor Coolant System	RAI	09/30/88	10/13/88	4	
DEST/SPLB	J. Raval	5 Rev C	Reactor Coolant System	RAI	09/30/88	09/30/88	4	
DEST/ECEB	F. Witt	5 Rev C	Reactor Coolant System	RAI	09/30/88	10/26/88	3	
DEST/SPLB	J. Raval	6 Rev C	Engineered Safety Features	RAI	09/30/88	09/30/88	4	
DEST/ECEB	F. Witt	6 Rev C	Engineered Safety Features	RAI	09/30/88	10/26/88	3	
DEST/EMTB	M. Hum	6 Rev C	Engineered Safety Features	RAI	09/30/88	10/13/88	4	
DEST/SPLB	J. Raval	10 Rev C	Steam & Power Conversion System	RAI	09/30/88	09/30/88	4	
DEST/ECEB	F. Witt	10 Rev C	Steam & Power Conversion System	RAI	09/30/88	10/26/88	3	

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Date: October 26, 1988

REVIEW STATUS REPORT ON
CE SYSTEM 80+
CESSAR-DC REVIEW
(Cont'd)

Division/ Branch	Reviewer	Chapter	Subject	Milestone	Due Date	Expected Input Date	Cat.*	Comments
DEST/EMTB	M. Hum	10 Rev C	Steam & Power Conversion System	RAI	09/30/88	10/13/88	4	
RES/DRAA/ PRAB	E. Chelliah	Base Line PRA	Base Line PRA	Comments	10/30/88	10/30/88	3	
DEST/ESGB	N. Romney	2 REV D	Site Characteristics	RAI	12/30/88	12/30/88	3	
DFEP/PREB	R. Van Niel	2 REV D	Site Characteristics	RAI	12/30/88	12/30/88	3	
DEST/ESGB	N. Romney	2 REV D	Structures, Components	RAI	12/30/88	12/30/88	3	
DEST/EMEB	J. Rajan	3 REV D	Structures, Components	RAI	12/30/88	12/30/88	3	
DEST/EMTB	M. Hum	3 REV D	Structures, Components	RAI	12/30/88	10/17/88	4	
DEST/SPLB	J. Raval	3 REV D	Structures, Components	RAI	12/30/88	12/30/88	3	
DEST/SRDB	L. Kopp	4 REV D	Reactor	RAI	12/30/88	12/30/88	3	
DEST/EMTB	M. Hum	4 REV D	Reactor	RAI	12/30/88	10/17/88	4	
DEST/EMEB	J. Rajan	5 REV D	Reactor Coolant System	RAI	12/30/88	12/30/88	3	

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REVIEW STATUS REPORT ON
CE SYSTEM 80+
CESSAR-DC REVIEW
(Cont'd)

Division/ Branch	Reviewer	Chapter	Subject	Milestone	Due Date	Expected Input Date	Cat.*	Comments
DEST/SRXB	L. Kopp	5 REV D	Reactor Coolant System	RAI	12/30/88	12/30/88	3	
DEST/EMTB	M. Hum	5 REV D	Reactor Coolant System	RAI	12/30/88	12/30/88	4	
DEST/SPLB	J. Raval	5 REV D	Reactor Coolant System	RAI	12/30/88	12/30/88	3	
DEST/SPLB	F. Witt	5 REV D	Reactor Coolant System	RAI	12/30/88	12/30/88	3	
DREP/RGSB	B. Mendelsohn	5 REV D	Reactor Coolant System	RAI	12/30/88	12/30/88	3	
DEST/SPLB	J. Raval	6 REV D	Engineered Safety Features	RAI	12/30/88	12/30/88	3	
DEST/SRXB	L. Kopp	6 REV D	Engineered Safety Features	RAI	12/30/88	12/30/88	3	
DEST/ECEB	F. Witt	6 REV D	Engineered Safety Features	RAI	12/30/88	12/30/88	3	

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Date: October 26, 1988

REVIEW STATUS REPORT ON
CE SYSTEM 80+
CESSAR-DC REVIEW
(Cont'd)

<u>Division/ Branch</u>	<u>Reviewer</u>	<u>Chapter</u>	<u>Subject</u>	<u>Milestone</u>	<u>Due Date</u>	<u>Expected Input Date</u>	<u>Cat.*</u>	<u>Comments</u>
DEST/EMTB	M. Hum	6 REV D	Engineered Safety Features	RAI	12/30/88	12/30/88	4	
DEST/SICB	J. Stewart	7 REV D	Instrumentation & Controls	RAI	12/30/88	12/30/88	3	
DLPQ/LHFB	G. Lapinski	7 REV D	Instrumentation & Controls	RAI	12/30/88	12/30/88	3	
DLPQ/LHFB	G. Lapinski	18 REV D	Human Factors Engineering	RAI	12/30/88	12/30/88	3	

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Date: October 26, 1988

REVIEW STATUS REPORT ON
SYSTEM 80 CESSAR-F
REVIEW

Division/ Branch	Reviewer	Chapter	Subject	Milestone	Due Date	Expected Input Date	Cat.*	Comments
DEST/SRXB	C. Liang	TAC 66400	ASPSS ISSUE	Final SER to P.M.	open	open	3	Waiting res- ponse from CE on RAI
DEST/EMEB	J. Rajan	TAC 66401	Steam Gen. Tube Vibration	RAIs to P.M.	open	open	3	Waiting res- ponse from CE on RAI
DEST/EMTB	W. Wickman	TAC 66401	Steam Gen. Tube Vibration	RAIs to P.M.	open	open	3	Waiting res- ponse from CE on RAI
DREP/PRPB	I. Spickler	TAL 66400	ASPSS ISSUE (SET Rupture)	Final SER to SRXB/PM	open	open	3	Waiting res- ponse from CE on RAI

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** Close out issue

Date: October 26, 1988

REVIEW STATUS REPORT ON
CE SYSTEM 80+
CESSAR-DC REVIEW
ARSAP TOPIC PAPERS

<u>Division/ Branch</u>	<u>Reviewer</u>	<u>Chapter</u>	<u>Subject</u>	<u>Milestone</u>	<u>Due Date</u>	<u>Expected Input Date</u>	<u>Cat.*</u>	<u>Comments</u>
RES/SAIB	C. Ferrell	Topic Paper Set No. 1	10 ARSAP Issues	RAI	06/15/88	09/16/88	4	Comments provided CE at meeting 6/21/88
RES/SAIB	C. Ferrell, et al	Topic Paper Set No. 2	6 ARSAP Issues	RAI	06/30/88	08/30/88	1	
RES/SAIB	C. Ferrell, et al	Topic Paper Set No. 3	3 ARSAP Issues	RAI	10/30/88	10/30/88	3	
RES/SAIB	C. Ferrell, et al	Topic Paper Set No. 4	1 ARSAP Issue	RAI	11/9/88	11/9/88	3	

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Date: October 26, 1988

REVIEW STATUS REPORT ON
EPRI'S ALWR REQUIREMENTS DOCUMENT

Division/ Branch	Reviewer	Chapter	Subject*	Milestone	Due Date	Expected Input Date	Cat.*	Comments
DEST/EMEB	Rajan	5	Eng. Safety Systems	DSER to P.M.	10/28/88**		2	
DEST/EMTB	Tsao	5	Eng. Safety Systems	DSER to P.M.	N/A		4	Reviewer will have no input
DEST/SICB	Stewart	5	Eng. Safety Systems	DSER to P.M.	10/28/88**		2	
DEST/SELB	Lazevnick	5	Eng. Safety Systems	DSER to P.M.	10/28/88		3	
DEST/SPLB	Shum	5	Eng. Safety Systems	DSER to P.M.	10/28/88**		2	
DEST/SRXB	Schwenk	5	Eng. Safety Systems	DSER to P.M.	10/28/88**		3	7/8/88 DSER Input need revision

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** Due date revised to reflect receipt
of additional information dated 08/16/88
and ACRS schedule

Date: October 26, 1988

REVIEW STATUS REPORT ON
EPRI'S ALWR REQUIREMENTS DOCUMENT
(Cont.)

Division/ Branch	Reviewer	Chapter	Subject*	Milestone	Due Date	Expected Input Date	Cat.*	Comments
DREP/RPB	Martin	5	Eng. Safety Systems	DSER to P.M.	N/A		4	
DEST/ECEB	Parczewski	5	Eng. Safety Systems	DSER to P.M.	10/28/88**		4	
DREP/RAB	Kelly	5	Eng. Safety Systems	DSER to P.M.	N/A		4	
DRIS/RSGB	Mendelsohn	5	Eng. Safety Systems	DSER to P.M.	N/A		4	
DEST/ESGB	Rinaldi	5	Eng. Safety Systems	DSER to P.M.	N/A		4	
DLPQ/LHFB	Correia	5	Eng. Safety Systems	DSER to P.M.	N/A		4	

Note: Chapter 6 "Building Arrangements" review begins 11/17/88.

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and ACRS schedule