



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

February 19, 1988

Docket No. 50-601
Project Nos. 669, 671, 675, and 676

MEMORANDUM FOR:

- L. Shao, Director
Division of Engineering and
System Technology, NRR
- J. Partlow, Director
Division of Reactor Inspection
and Safeguards, NRR
- F. Congel, Director
Division of Radiation Protection
and Emergency Preparedness, NRR
- J. Rowe, Director
Division of Licensee Performance and
Quality Evaluation, NRR
- R. W. Houston, Acting Director
Division of Reactor Accident Analysis, RES

FROM:

Lester S. Rubenstein, 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 February status report concerning the current review milestones for each of the standard plant projects (EPRI, ABWR, RESAR SP/90, and CE System 80+).

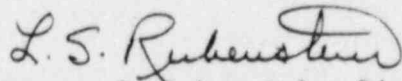
Note the column, "Expected Input Date" reflect dates established in the June 25, 1987 "Program Plan For Standard Plant Review" or dates for which modification

CONTACT:
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Handwritten notes:
- 50-601
+ Proj #669
+ " #671
+ " #675
+ " #676

was agreed to by PDSNP and the review branch. 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.



Lester S. Rubenstein, 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
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
H. Miller
A. Beach
W. Regan, Jr.
J. Murphy
G. Bagchi

Date: February 19, 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	3/31/88	3	Input Rec'd 1/7/88
DEST/EMB	Hou/Brammer***	1, 4, 5, 7,	Mechanical Engineering	Draft SER to P.M.	3/31/88	3/31/88	3	Awaiting Input from <u>W</u>
DEST/ESGB	Staley	3	Hydrology	Draft SER to P.M.	3/31/88	3/31/88	3	Input Rec'd 10/26/87
	Giese-Koch	3	Geology & Seismology	Draft SER to P.M.	3/31/88	3/31/88	3	Awaiting Input from <u>W</u>
	Chan	7	Civil Engineering	Draft SER to P.M.	3/31/88	3/31/88	3	Input Rec'd 1/7/88

* 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: February 19, 1988

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/ECEB	Wing	1, 6&8, 10, 13	Chemical Engineering	Draft SER to P.M.	3/31/88	3/31/88	3	Input Rec'd 11/23/87
	Notley	13	Fire Protection	RAI's to P.M.	7/31/87	2/09/88	4	Complete
DEST/SICB	Burrows	9, 13, 15	Instrumentation & Controls	Draft SER to P.M.	3/31/88	3/31/88	3	-
DEST/SELB	Trehan	9, 13	Electrical Engineering	Draft SER to P.M.	3/31/88	3/31/88	3	Input Rec'd 12/17/87
DEST/SPLB	Shum (lead)	1, 10, 13	Containment Systems	Draft SER to P.M.	3/31/88	3/31/88	3	Awaiting Input from <u>W</u>
	Wagner	6&8, 7	Plant Systems	Draft SER to P.M.	3/31/88	3/31/88	3	Awaiting Input from <u>W</u>
	Walker	7	Equipment Qualification	Draft SER to P.M.	3/31/88	3/31/88	3	Awaiting Input from <u>W</u>

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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.)	Gill	4	Plant Systems	Draft SER to P.M.	3/31/88	3/31/88	3	Awaiting Input from <u>W</u>
	TBD	1, 6&8, 10, 12, 13	HVAC Systems, Waste Management, Steam & Power Conversion	Draft SER to P.M.	3/31/88	3/31/88	3	Awaiting Input from <u>W</u>
	Raval	13	Plant Systems	Draft SER to P.M.	3/31/88	3/31/88	3	Awaiting Input from <u>W</u>
DEST/SRXB	Liang	1, 4, 5, 6&8, 9, 10, 11, 12	Reactor Systems	RAIs to P.M.	7/31/87	2/19/88	1	-
DRIS/RSGB	Mendelsohn	2	Physical Security	Draft SER to P.M.	3/31/88	3/31/88	3	Awaiting Input from <u>W</u>
DLPQ/LQAB	Spraul	13	Quality Assurance	Draft SER to P.M.	3/31/88	3/31/88	3	Awaiting Input from <u>W</u>

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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	3/31/88	3	-
DREP/PRAB	Spickler	1, 3, 4, 5, 6&8, 9, 10	Radiological Accident Analysis	Draft SER to P.M.	3/31/88	3/31/88	3	-
	TBD	12	Process & Effluent Radiological Monitoring & Supply System	RAIs to to P.M.	7/31/87	TBD	2	New Reviewer to be assigned
RES/PRA	Chelliah/BNL	16	Probabilistic Safety Study	Final SER to P.M.	2/26/88	2/26/88	2	Under review

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REVIEW STATUS REPORT ON
GE ABWR
FDA/DC REVIEW

<u>Division/ Branch</u>	<u>Reviewer</u>	<u>SRP Chapter</u>	<u>Subject</u>	<u>Milestone</u>	<u>Due Date</u>	<u>Expected Input Date</u>	<u>Cat.*</u>	<u>Comments</u>
DEST/SPLB	Chandrasekaran	5, 6, 15	Plant Systems	RAIs to P.M.	12/31/87	TBD	1	Date missed - SPLB estimate of completion - 4/15/88 - SPLB Plans to issue con- tracts to SAI for RAI's.
DEST/SRXB	Thomas	4, 5, 6, 15	Reactor Systems	RAIs to P.M.	12/31/87	TBD	1	Date missed - SRXB estimate of completion - 5/30/88

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Date: February 19, 1988

REVIEW STATUS REPORT ON
CE SYSTEM 80+
CESSAR-DC Review
(Cont.)

Division/ Branch	Reviewer	Chapter	Subject	Milestone	Due Date	Expected Input Date	Cat. #	Comments
DEST/SICB	James Stewart		Licensing Review Bases	Comments	02/28/88	02/28/88	3	Under review
DEST/SELB	O. Chopra		Licensing Review Bases	Comments	02/28/88	02/28/88	3	Under review
DEST/SPLB	John Craig		Licensing Review Bases	Comments	02/28/88	02/28/88	3	Under review
DEST/SRXB	Larry Kopp		Licensing Review Bases	Comments	02/28/88	02/28/88	3	Under review
DREP/PEPB	Richard VanNiel		Licensing Review Bases	Comments	02/28/88	02/28/88	3	Under review
DREP/PRAB	G. Kelly		Licensing Review Bases	Comments	02/28/88	02/28/88	3	Under review
DREP/PRPB	T. Essic		Licensing Review Bases	Comments	02/28/88	02/28/88	3	Under review
DRIS/RSGB	B. Mendelsohn		Licensing Review Bases	Comments	02/28/88	02/28/88	4	Recvd comments
DOAE/OTSB	R. Giardina		Licensing Review Bases	Comments	02/28/88	02/28/88	3	Under review
DLPQ/LQAB	Jack Spraul		Licensing Review Bases	Comments	02/28/88	02/28/88	3	Under review
DLPQ/LHFB	F. Lapinsky		Licensing Review Bases	Comments	02/28/88	02/28/88	3	Under review
DRAA/PRAB	E. Chelliah		Licensing Review Bases	Comments	02/28/88	02/28/88	3	Under review

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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	Martin Hum	Chapter 10	Steam and Power Conversion	RAI	02/28/88	02/28/88	3	Under review
			Licensing Review Bases	Comments	02/28/88	02/28/88	3	Under review
DEST/ECEB	Frank Witt	Chapter 10	Steam and Power Conversion	RAI	02/28/88	02/28/88	4	RAI received
			License Review Bases	Comments	02/28/88	02/28/88	4	Comments recvd
DEST/SPLB	Janak Leval	Chapter 10	Steam and Power Conversion	RAI	02/28/88	02/28/88	3	Under review
			Licensing Review Bases	Comments	02/28/88	02/28/88	3	Under review
DLPQ/LQAB	Jack Spraul	Chapter 17	Licensing Review Bases	RAI	02/28/88	02/28/88	3	Under review
			Licensing Review Bases	Comments	02/28/88	02/28/88	3	Under review
DEST/EMEB	Horace Shaw		Licensing Review Bases	Comments	02/28/88	02/28/88	3	Under review
DEST/EMEB	J. Rajaa		Licensing Review Bases	Comments	02/28/88	02/28/88	3	Under review
DEST/ECSB	N. Romney		Licensing Review Bases	Comments	02/28/88	02/28/88	3	Under review

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REVIEW STATUS REPORT ON
SYSTEM 80 CESSAR-F
REVIEW

<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/SRXB	C. Liang	TAC 66400,	ASPSS ISSUE	Final SER to P.M.	2/28/88	2/28/88**	3	-
DEST/EMEB	J. Rajan	TAC 66401,	Steam Gen. Tube Vibration	RAIs to P.M.	open	open	3	Awaiting input from applicant
DEST/EMTB	W. Wickman	TAC 66401,	Steam Gen. Tube Vibration	RAIs to P.M.	open	open	3	Awaiting input from applicant

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** Close out issue

Date: February 19, 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	Hartzman	3	Reactor Coolant Systems	RAI to P.M.	09/1/87	12/3/87	4	
	Rajan	3	Reactor Coolant Systems	DSER to P.M.	03/15/88**	03/15/88	3	New Reviewer assigned on 2/10
	Hartzman	4	Reactor Systems	RAI to P.M.	09/1/87	12/3/87	4	
	Rajan	4	Reactor Systems	DSER to P.M.	03/15/88**	03/15/88	3	New Reviewer
	Rajan	5	Eng. Safety Systems	RAI to P.M.	02/29/88	03/02/88	3	New Reviewer
DEST/EMTB	Tsao	3	Reactor Coolant Systems	RAI to P.M.	09/1/87	12/4/87	4	
		3	Reactor Coolant Systems	DSER to P.M.	03/15/88**	03/15/88	3	
		4	Reactor Systems	RAI to P.M.	09/0/87	12/4/87	4	
		4	Reactor Systems	DSER to P.M.	03/15/88**	03/15/88	3	
		5	Eng. Safety Systems	RAI to P.M.	02/29/88	N/A	4	Reviewer will have no RAI

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** Due date extended from 2/1/88 to 3/15/88
because of delays in RAIs and EPRI response

Date: February 19, 1988

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

Division/ Branch	Reviewer	Chapter	Subject*	Milestone	Due Date	Expected Input Date	Cat.*	Comments
DEST/SICB	Stewart	3	Reactor Coolant Systems	DSER to P.M.	03/15/88**	03/1/88	3	
		4	Reactor Systems	DSER to P.M.	03/15/88**	03/1/88	3	
		5	Eng. Safety Systems	RAI to P.M.	02/29/88	02/29/88	3	
DEST/SELB	Lazevnick	3	Reactor Coolant Systems	DSER to P.M.	03/15/88**	03/15/88	3	
		4	Reactor Systems	DSER to P.M.	03/15/88**	03/15/88	3	
		5	Eng. Safety Systems	RAI to P.M.	04/01/88***	TBD	3	Oral comments & responses
DEST/SPLB	Ridgely	3	Reactor Coolant Systems	RAI to P.M.	09/1/87	10/16/87	4	
	Shum	3	Reactor Coolant Systems	DSER to P.M.	03/15/88**	03/15/88	3	New Reviewer

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** Due date extended from 2/1/88 to 3/1/88
 because of delays in RAIs and EPRI response

*** Reviewer proposed to obtain any needed
 information in meeting with EPRI consultants

Date: February 19, 1988

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

Division/ Branch	Reviewer	Chapter	Subject*	Milestone	Due Date	Expected Input Date	Cat.*	Comments
DEST/SPLB (cont.)	Ridgely	4	Reactor Systems	RAI to P.M.	09/1/87	10/16/87	4	
	Shum	4	Reactor Systems	DSER to P.M.	03/15/88**	03/15/88	3	New Reviewer
	Shum	5	Eng. Safety Systems	RAI to P.M.	02/29/88	02/29/88	3	New Reviewer
DEST/SRXB	Schwenk	3	Reactor Coolant Systems	RAI to P.M.	09/1/87	10/7/87	4	Oral comments & responses
		3	Reactor Coolant Systems	DSER to P.M.	03/1/88	02/15/88	4	
		4	Reactor Systems	RAI to P.M.	09/1/87	10/7/87	4	Oral comments & responses
		4	Reactor Systems	DSER to P.M.	03/1/88	02/15/88	4	
		5	Eng. Safety Systems	RAI to P.M.	04/11/88***	TBD	3	Oral comments & responses
DREP/RPB	Branagan	5	Eng. Safety Systems	RAI to P.M.	02/29/88	02/29/88	3	

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** Due date extended from 2/1/88 to 3/1/88
 because of delays in RAIs and EPRI response

*** Reviewer proposes to obtain any needed information
 in meeting with EPRI consultants

Date: February 19, 1988

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

Division/ Branch	Reviewer	Chapter	Subject*	Milestone	Due Date	Expected Input Date	Cat.*	Comments
DEST/ECEB	Parczewski	3	Reactor Coolant System	DSER to P.M.	03/15/88**	03/01/88	3	
		4	Reactor Systems	DSER to P.M.	03/15/88**	03/01/88	3	
		5	Eng. Safety Systems	RAI to P.M.	04/01/88***	TBD	3	Oral comments & responses

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because of delays in RAIs and EPRI response

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in meeting with EPRI consultants

February 18, 1988

- 2 -

was agreed to by PDSNP and the review branch. 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.

original signed by
Lester S. Rubenstein, 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
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C. Y. Cheng
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