



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

MAR 23 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

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

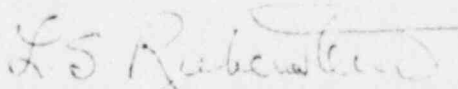
Note the "Due Date" column reflects dates established in the January 25, 1988 "Revised Program Plan For Standard Plant Reviews" or dates for which modification was agreed to by PDSNP and the review branch.

8803300422 880323
PDR ADOCK 0500601
A PDR

CONTACT:
T. Kenyon
NRR/PDSNP
Ext. 21120

50-601
X 50-605
X Proj. 669
X Proj. 675
X Proj. 676

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.



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

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.

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

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JSH

Date: March 22, 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.	4/29/88@	4/29/88	3	Awaiting Input from W - Expected 3/31/88
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 W - Reviewer writing DSER w/open items
	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

@ Due date extended from 3/31/88 to 4/29/88 because of delay in W response.

Date: March 22, 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	3/31/88	3/17/88	4	Complete
	Notley	13	Fire Protection	Draft SER to P.M.	4/29/88@	4/29/88	3	Awaiting input from W - Expected 3/23/88
DEST/SICB	Burrows	9, 13, 15	Instrumentation & Controls	Draft SER to P.M.	3/31/88	3/31/88	3	Input Rec'd 3/15/88
DEST/SELB	Trehan	9, 13	Electrical Engineering	Draft SER to P.M.	3/31/88	4/08/88+	3	Input Rec'd 12/17/87
DEST/SPLB	Shum (lead)	1, 10, 13	Containment Systems	Draft SER to P.M.	5/06/88#	5/06/88	3	Awaiting input from W - Expected 3/31/88

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@ Due date extended from 3/31/88 to 4/29/88 because of delays in W response.

+ Input date extended because of availability of reviewer.

Due date extended from 3/31/88 to 5/06/88 because of delays in W response;
SAI may complete review.

Date: March 22, 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/SPLB (cont.)	Wagner	6&8, 7	Plant Systems	Draft SER to P.M.	5/06/88#	5/06/88	3	Awaiting input from W - Expected 3/31/88
	Walker	7	Equipment Qualification	Draft SER to P.M.	5/06/88#	5/06/88	3	Awaiting input from W - Expected 3/31/88
	Gill	4	Plant Systems	Draft SER to P.M.	5/06/88#	5/06/88	3	Awaiting input from W - Expected 3/31/88
	Lee	6&8, 10, 12, 13	HVAC Systems, Waste Management, Steam & Power Conversion	Draft SER to P.M.	5/06/88#	5/06/88	3	Awaiting input from W - Expected 3/31/88

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SAI may complete review.

Date: March 22, 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/SPLB (cont.)	Raval	13	Plant Systems	Draft SER to P.M.	5/06/88#	5/06/88	3	Awaiting input from <u>W</u> - Expected 3/31/88
DEST/SRXB	Liang	1, 4, 5, 6&8, 9, 10, 11, 12	Reactor Systems	Draft SER to P.M.	5/16/88+	5/16/88	3	Awaiting input from <u>W</u> - Expect 4/15/88
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.	4/29/88@	4/29/88	3	Awaiting Input from <u>W</u>

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@ Due date extended from 3/31/88 to 4/29/88 because of delays in W response.

+ Due date extended from 3/31/88 to 5/16/88 because of delays in W response
and availability of reviewer; additional RAIs/concerns expected;

Due date extended from 3/31/88 to 5/06/88 because of delays in W response;
SAI may complete review.

Date: March 22, 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
DLPQ/LHFB	Lapinski	15	Control Room/Human Factors Engineering	Draft SER to P.M.	3/31/88	6/30/88#	1	Workload impacting input date
DREP/PRPB	Spickler	1, 3, 4, 5, 6&8, 9, 10	Radiological Accident Analysis	Draft SER to P.M.	3/31/88	4/29/88+	2	Workload impacting input date
	Skopec	12	Process & Effluent Radiological Monitoring & Sampling Systems	Draft SER to P.M.	4/29/88@	4/29/88	3	Awaiting input from W - Expected 3/23/88
RES/PRA	Chelliah/BNL	16	Probabilistic Safety Study - back end	Draft SER to P.M.	2/26/88	3/25/88	1	Workload impacting input date

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

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+ Input date modified due to availability of reviewer.

@ Due date extended from 3/31/88 to 4/29/88 because of delays in W response.

Branch cannot support 4/29/88 input date required to support DSER issuance date; reviewers working on SPDS Generic Letter; Input promised 6/30/88.

Date: March 22, 1988

REVIEW STATUS REPORT ON
GE ABWR
FDA/DC REVIEW

Division/ Branch	Reviewer	SRP Chapter	Subject	Milestone	Due Date	Expected Input Date	Cat.*	Comments
DEST/SPLB	Chandrasekaran	5, 6, 15	Plant Systems	RAIs to P.M.	6/15/88	6/15/88	3	SPLB issued contract for review to SAI. New input date established.
DEST/SRXB	Thomas	4, 5, 6, 15	Reactor Systems	RAIs to P.M.	6/30/88	6/30/88	3	New input date established. (RAIs on Sec- tion 4.6 have been received by PM.)

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4. Complete

Date: March 22, 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	Martin Hum	Chapter 10	Steam and Power Conversion Licensing Review Bases	RAI Comments	02/28/88 02/28/88	02/28/88 02/28/88	4 4	RAI 3/11/88C Comments recvd
DEST/SPLB	Janak Raval	Chapter 10	Steam and Power Conversion Licensing Review Bases	RAI Comments	02/28/88 02/28/88	02/28/88 02/28/88	4 4	RAI 3/15/88C Comments recvd
DLPQ/LQAB	Jack Spraul	Chapter 17	Licensing Review Bases Licensing Review Bases	RAI Comments	02/28/88 02/28/88	02/28/88 02/28/88	4 4	RAI 2/26/88C No comments
DEST/EMEB	Horace Shaw		Licensing Review Bases	Comments	02/28/88	3/15/88	4	Comments coming
DEST/EMEB	J. Rajaa		Licensing Review Bases	Comments	02/28/88	3/15/88	4	Comments coming
DEST/ECSB	N. Romney		Licensing Review Bases	Comments	02/28/88	02/28/88	4	No comments

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4. Complete

Date: March 22, 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	4	No comments
DEST/SELB	O. Chopra		Licensing Review Bases	Comments	02/28/88	02/28/88	4	No comments
DEST/SRXB	Larry Kopp		Licensing Review Bases	Comments	02/28/88	02/28/88	4	No comments
DREP/PEPB	Richard VanHiel		Licensing Review Bases	Comments	02/28/88	02/28/88	4	Comments recvd
DREP/PRAB	G. Kelly		Licensing Review Bases	Comments	02/28/88	02/28/88	4	Comments recvd
DREP/PRPB	T. Essic		Licensing Review Bases	Comments	02/28/88	02/28/88	4	Comments recvd
DOAE/OTSB	R. Giardina		Licensing Review Bases	Comments	02/28/88	02/28/88	4	Comments in typing
DLPQ/LHFB	G. Lapinsky		Licensing Review Bases	Comments	02/28/88	02/28/88	4	No comments
DRAA/PRAB	E. Chelliah		Licensing Review Bases	Comments	02/28/88	02/28/88	4	Comments coming

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4. Complete

Date: March 22, 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.	5/16/88@	5/16/88**	3	On schedule
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

- @ Due date extended from 3/31/88 to 5/16/88 to
support RESAR SP/90 review schedule

Date: March 22, 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	DSER to P.M.	03/15/88	03/30/88**	2	
	Hartzman	4	Reactor Systems	DSER to P.M.	03/15/88	03/30/88**	2	
	Rajan	5	Eng. Safety Systems	RAI to P.M.	03/21/88***	03/21/88**	3	In typing
DEST/EMTB	Tsao	3	Reactor Coolant Systems	DSER to P.M.	03/15/88	03/04/88	4	
		4	Reactor Systems	DSER to P.M.	03/15/88	03/08/88	4	
		5	Eng. Safety Systems	RAI to P.M.	02/29/88	N/A	4	Reviewer will have no RAI

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2. BC attention requested
3. On schedule
4. Complete

** Expected input date extended because
of reviewer's workload

*** Due date extended because of extra
time needed by new reviewer.

Date: March 22, 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	4	
		4	Reactor Systems	DSER to P.M.	03/15/88	03/1/88	4	
		5	Eng. Safety Systems	RAI to P.M.	02/29/88	03/25/88	2	In typing, informal copy in hand
DEST/SELB	Lazevnick	3	Reactor Coolant Systems	DSER to P.M.	03/15/88	03/21/88	4	Complete
		4	Reactor Systems	DSER to P.M.	03/15/88	03/21/88	4	Complete
		5	Eng. Safety Systems	RAI to P.M.	04/01/88	04/01/88	3	
DEST/SPLB	Shum	3	Reactor Coolant Systems	DSER to P.M.	03/15/88	03/23/88	2	In typing

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Date: March 22, 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.)	Shum	4	Reactor Systems	DSER to P.M.	03/15/88	03/23/88	2	In typing
	Shum	5	Eng. Safety Systems	RAI to P.M.	02/29/88	02/23/88	4	
DEST/SRXB	Schwenk	5	Eng. Safety Systems	RAI to P.M.	04/11/88***	TBD	3	
DREP/RPB	Branagan	5	Eng. Safety Systems	RAI to P.M.	02/29/88	02/29/88	4	
DEST/ECEB	Parczewski	3	Reactor Coolant System	DSER to P.M.	03/15/88	03/16/88	4	
		4	Reactor Systems	DSER to P.M.	03/15/88	03/16/88	4	
		5	Eng. Safety Systems	RAI to P.M.	04/01/88***	TBD	3	

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*** Due date established on basis reviewer would obtain any needed information in meeting with EPRI consultants. RAIs to be provided ahead of such meetings to assist EPRI preparation.