

FEB 22 1983

Docket No. STN 50-470

MEMORANDUM FOR: R. Wayne Houston, Assistant Director  
for Reactor Safety

Lester S. Rubenstein, Assistant Director  
for Core and Plant Systems

James P. Knight, Assistant Director  
for Components and Structures Engineering

William Johnston, Assistant Director  
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Joel Kramer, Deputy Director  
Division of Human Factors Safety

FROM: Frank J. Miraglia, Assistant Director  
for Safety Assessment  
Division of Licensing

SUBJECT: STATUS OF OPEN AND CONFIRMATORY ITEMS FOR CESSAR AND  
SCHEDULE FOR INPUTS TO SSER

The status of all open and confirmatory items listed in the CESSAR SER, NUREG-0852, is shown in the enclosure. As indicated in the enclosure, there are still many of these items which continue to be unresolved over a year after the SER was issued. In order to close these items out, we are working closely with CE to develop firm commitments for their outstanding actions. These commitments are reflected in the enclosure. It is our intention to accelerate these schedules, wherever possible, through face-to-face meetings or conference calls.

The current schedule for issuing Revision 1 to the SER is March 31, 1983. We have intended to issue this revision as the "final" SER to have the complete review reported in a single document. It now appears that CE will not be able to respond to all of the staff's questions in time to

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complete the review by March. If this occurs, we will issue two supplements (February 28 and March 31) to the SER before this "final" revision. In either case, March 18 is the cutoff date for the next set of inputs.

Original signed by  
Frank J. Miraglia

Frank J. Miraglia, Assistant Director  
for Safety Assessment  
Division of Licensing

Enclosure:  
As stated

cc: NRR Division Directors  
NRR Branch Chiefs  
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DATE ▶	2/17/83	2/17/83	2/17/83	2/17/83			

CESSAR SYSTEM 80 REVIEW

STATUS AS OF  
02/15/83

OVERVIEW

1. REVIEW SCHEDULE

- A. INPUTS TO SER SUPPLEMENT 1 DUE . . . . . NOW
- B. ISSUE SUPPLEMENT 1 TO SER . . . . . FEB 28, 1983
- C. INPUTS TO SER REVISION 1 DUE \* . . . . . MAR 18, 1983
- D. ISSUE REVISION 1 TO SER . . . . . MAR 31, 1983
- E. ISSUE FDA . . . . . JULY 1983

\* THE FDA WILL BE ISSUED BASED ON REVISION 1 TO THE CESSAR SER

2. BECAUSE OF DELAYS IN RESPONSES FROM CE, SOME ISSUES MAY NOT BE RESOLVED IN TIME TO SATISFY THE SER REVISION 1 SCHEDULE SHOWN ABOVE. IF THAT IS THE CASE, THEN A SECOND SUPPLEMENT MAY BE ISSUED BEFORE THE FINAL SER IS ISSUED.

3. CRITICAL ISSUES

THE FOLLOWING ISSUES COULD IMPACT THE SCHEDULE FOR THE OVERALL REVIEW. MANAGEMENT ATTENTION IS REQUESTED FOR EACH TO ENSURE THAT NO ADDITIONAL SLIPPAGES OCCUR. THE RESOLUTION OF ANY OF THESE ITEMS SHOULD NOT EXTEND PAST 4/30/83.

- A. CPC SOFTWARE
- B. SCU
- C. SMALL STEAM LINE BREAK ANALYSIS
- D. STEAM GENERATOR TUBE RUPTURE ANALYSIS
- E. CONTAINMENT SPRAY

OPEN & CONFIRMATORY ITEMS IN CESSAR SER

STATUS AS OF  
02/15/83

DIVISION OF SYSTEMS INTEGRATION

REVIEW BRANCH	REVIEWER	SER SECTION	DESCRIPTION OF ITEM	STATUS	ACTION
CPR	D. POWERS (X29477)	4.2.1.1(H)	FUEL ROD PRESSURE LIMITS	CLOSED - SER INPUT RECEIVED 4/7/82	NONE
		4.2.1.1(G)	AXIAL GROWTH	OPEN - DRAFT INPUT RCVD 2/8/83. CE FEELS LICENSE COND REQMNT COULD BE ELIMINATED.	CE TO CONFIRM THAT THEY HAVE FIXED THE PROBLEM CONFERENCE CALL MAY BE REQUESTED BEFORE 2/18/83
		4.2.5	FUEL PERFORMANCE ANALYSIS	CLOSED - SER INPUTS RECEIVED 1/28/82 & 4/7/82	NONE
		4.2.3.2(B)	CLADDING COLLAPSE ANALYSIS	CLOSED - SER INPUT RECEIVED 4/7/82	NONE
		4.2.3.2(F)	SUPPLEMENTAL ECCS ANALYSIS	CLOSED - SER INPUT RECEIVED 12/30/81	NONE
	L. PHILLIPS (X29472)	4.4.5	CPC SOFTWARE & SCHEDULE	OPEN - CE HAS SUBMITTED GENERIC INFO. REVIEW SCHED TO END 4/30/83. R'S ISSUED 1/31/83	CE TO PROVIDE DRAFT RESPONSE BY 3/28/83. MTG WILL BE HELD TO DISCUSS.

OPEN & CONFIRMATORY ITEMS IN CESSAR SER

STATUS AS OF  
02/15/83

DIVISION OF SYSTEMS INTEGRATION

REVIEW BRANCH	REVIEWER	SER SECTION	DESCRIPTION OF ITEM	STATUS	ACTION
		22.2	ICC INSTRUMENTATION	OPEN - SER INPUT RECEIVED. REVISED INPUT REQUIRED TO UPDATE PREVIOUS WRITEOFF. DRAFT INPUT RCVD 2/8/83.	CE TO VERIFY SCHEDULE FOR OWNERS GROUP SUBMITTALS. CONFERENCE CALL TO BE HELD BEFORE 2/18/83 TO PROVIDE ADD CLARIFICATION.
OPR	L.PHILLIPS	4.4.6	STATISTICAL COMB. OF UNCERTAINTIES	OPEN - Q'S ISSUED 12/28/82 CONF CALL HELD 1/13/83 ON Q'S FINAL REVIEW TO BE COMPLETED BY 4/30/83.	CE TO ANSWER Q'S BY 2/28/83. REVIEWER TO PROVIDE ADDITIONAL Q'S BY 2/20/83. MTG WILL BE HELD WEEK OF 2/21/83 TO DISCUSS DRAFT RESPONSES AND 2ND SET OF Q'S.
RSR	-----	4.4.9	PARTIAL LOOP OPS	CLOSED - CE HAS WITHDRAWN	NONE
	C.LIANG (X29443)	5.4.3	SDCS VALVES	CLOSED - SER INPUT RECEIVED 3/23/82	NONE
		5.4.3	SDC ANALYSTS	OPEN - CE SUBMITTAL REVIEWED. NO OUTSTANDING Q'S. DRAFT SER INPUT RCVD 2/8/83.	REVIEWER TO PROVIDE FINAL SER INPUT BY 2/25/83. CE TO PROVIDE INFO TO CLOSE OUT LAST OPEN ITEM BY 2/28/83.

OPEN & CONFIRMATORY ITEMS IN CESSAR SER  
 DIVISION OF SYSTEMS INTEGRATION

STATUS AS OF  
 02/15/83

REVIEW BRANCH	REVIEWER	SER SECTION	DESCRIPTION OF ITEM	STATUS	ACTION
		5.4.3	BORON MIXING TEST	OPEN - WAITING VERIFICATION ON CESSAR DOCKET THAT TEST TO BE CONDUCTED AT PALO VERDE DRAFT SER INPUT RCVD 2/8/83.	CE TO PROVIDE INFO BY 2/18/83.
		15.2.4.5	BORON DILUTION ALARM	CLOSED - CE HAS COMMITTED TO MODS. REVIEW COMPLETE. DRAFT SER RCVD 2/8/83.	REVIEWER TO PROVIDE FINAL SER INPUT BY 2/18/83.
RSR	C. LIANG	15.3.3	RCP SHAFT SEIZURE ANALYSIS	OPEN - CE REQUESTS THAT DRAFT ANAL. PREVIOUSLY SUPPLIED BE REVIEWED.	CE TO PROVIDE FORMAL SUBMITTAL BY 2/28/83.
		15.4.5	STEAM GENERATOR TUBE RUPTURE	OPEN - CONFERENCE CALL HELD 1/17/83 TO CLARIFY ISSUES. ADDITIONAL CLARIF. PROVIDED IN 2/8/83 MTG.	CE TO PROVIDE SCHEDULE FOR REANALYSIS OR APPEAL BY 2/25/83.
		22.4	LOSS OF AC/EFFECT ON PUMP SEALS	CLOSED - SER INPUT RECEIVED 2/4/82	NONE

## OPEN &amp; CONFIRMATORY ITEMS IN CESSAR SER

STATUS AS OF  
02/15/83

## DIVISION OF SYSTEMS INTEGRATION

REVIEW BRANCH	REVIEWER	SER SECTION	DESCRIPTION OF ITEM	STATUS	ACTION
	J. GUTTMAN (X29442)	15.3.1	SMALL STEAM LINE BREAK	OPEN - Q'S INFORMALLY GIVEN TO CE ON 1/3/83 CONFERENCE CALL HELD 1/17/83. Q'S ISSUED 2/7/83.	CE TO FORMALLY RESPOND IN APRIL/MAY. DRAFT RESPONSE WILL BE PROVIDED IN MARCH. REVIEWER WILL COMPLETE REVIEW SIX WEEKS AFTER RECEIPT OF RESPONSE.
		15.3.2	FEEDWATER LINE BREAK	OPEN - SAME AS SMALL STEAM LINE BREAK.	SAME AS SMALL STEAM LINE BREAK.
		15.4.1	STEAM LINE BREAK	CLOSED - FSAR HAS BEEN UPDATED AS REQUESTED.	REVIEWER TO PROVIDE FINAL SER INPUT WITH REWRITE OF SECTION 15.
CSB	J. HUANG (X29424)	6.2.4	ISOLATION VALVE POWER	CLOSED - REVIEW COMPLETE. AMEND 7 MADE APPROPRIATE CHANGES.	PM WILL WRITEOFF IN SER SUPPLEMENT.
AER	P. EASELY (X27766)	6.5	CONTAINMENT SPRAY	OPEN - THE USE OF THE SAMPLING SYSTEM IN QUESTION CE REQUESTED APPEAL MTG AFTER 2/8/83 MTG	PM TO SCHED APPEALS MTG BY 2/25/83.
	K. DEMPSEY (X28906)	15.4.6	FUEL HANDLING ACCIDENT ANALYSIS	CLOSED - SER INPUT RECEIVED 3/29/82	NONE
ALL	-----	----	INTERFACE REQMNTS	OPEN - MEMO ISSUED REQUESTING FINAL INPUT	REVIEW BRANCHES TO PROVIDE RESPONSE BY 1/21/83

## OPEN &amp; CONFIRMATORY ITEMS IN CESSAR SER

STATUS AS OF  
02/15/83

## DIVISION OF ENGINEERING

REVIEW BRANCH	REVIEWER	SER SECTION	DESCRIPTION OF ITEM	STATUS	ACTION
FOR	SHEMANSKI	3.11	EQUIPMENT QUAL	CLOSED - SER INPUT RECEIVED OPEN ISSUES TO BE RESOLVED ON PLANT SPECIFIC BASIS. CE HAS PROVIDED DRAFT INPUT WHICH MAY RESOLVE OPEN ISSUES.	PM TO SCHED MTG WITHIN NEXT MONTH. CE TO FORMALLY SUBMIT PROPOSED CHANGE BY 2/28/83.
	S.HOU	3.9.2	PREOPERATIONAL VIBRATION TESTING PROGRAM	OPEN - REVIEW OF CE SUBMITTAL HAS NOT BEGUN. PAID VIBRATION TEST RESULTS WILL NOT BE AVAILABLE UNTIL MAY.	REVIEWER TO COMPLETE REVIEW OF METHODOLOGY BY 2/28/83.
	G.BAGCHI	3.9.3.1	PUMP & VALVE OPER.	CLOSED - SER INPUT RECEIVED 4/5/82	NONE
CHER	J.L.WING	6.5	CONTAINMENT SPRAYS	OPEN - USE OF SAMPLING SYSTEM IN QUESTION.	REVIEWER TO PROVIDE STAFF POSITION TO DL BY 2/28/83.
ALL	-----	-----	INTERFACE REQMENTS	OPEN - MEMO ISSUED REQUESTING FINAL INPUT	REVIEW BRANCHES TO PROVIDE RESPONSE BY 1/21/83



## ACRS ISSUES

STATUS AS OF  
02/15/83

REVIEW BRANCH	REVIEWER	SER SECTION	DESCRIPTION OF ITEM	STATUS	ACTION
RSR	R. SHERON	-----	PORV'S	OPEN - RESOLUTION TTED TO STAFF REVIEW OF CE OWNERS GROUP POSITION. ACRS SUBCOMMITTEE MEETING IN JAN DISCUSSED STATUS. DRAFT SER INPUT RECVD 2/8/83 PROVIDES CONDITIONAL WRITEOFF.	CE OWNERS GROUP REPORT TO BE SUBMITTED IN JUNE 1983.
AFAB	M. MESSIER	-----	VERIFICATION OF INTERFACE REQMENTS	OPEN - SER INPUT IN PREPARATION	REVIEWER TO PROVIDE INPUT ON ANTI-TRUST POSITION BY 2/28/83.