

52-001

**GE Nuclear Energy**

ABWR

Date 1 OCT 92

Fax No. _____

To

CHET POSLUSNY
NRR/PDSTThis page plus 35 page(s)

From

JACK DUNCAN

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Subject

ABWR PUNCH LIST FOR PRA

Message

As discussed in NRC/GE meetingof 9/22, I am providing
an updated punch list.Significant additions and changes
are high lighted.Please provide copies to
organizers staff including Bill
Russell who said he wanted
a copy.

17-125

2050

ABWR Tasks to wrap up PRA

DSER item	SSAR Section	Title Subtask	NRC Contact GE Contact	P 1 a n	A n a I e w	R e v i e w	Next Actor	Date	Action	Comments
Fault Tree Update (FT)										
O-1		RPS Reliability	Kelly Raftery	v	s		n	n	n	GE Provided RPS fault tree to NRC 4/15. <u>Item Resolved</u>
n FT-1A		Update ECCS fault trees	Kelly Raftery	v	s		NRC	?		ECCS Trees sent to NRC 5/8.
n FT-1B		Update balance of trees	Kelly Raftery				NRC			Deferred to June to allow focus on more important items. Provided to NRC 6/15.
n FT-2		SSAR amendment for Fault Trees	Raftery				GE	10/9	Update to cover 0-1, FT- 1AB	

Initiating Events (IE)

S-2		Defense IORV frequency	Kelly Raftery	v	n		GE	-	1. Use 0.1 in requantification	Staff requires use 0.1 event/year. GE accepts - <u>Item Resolved</u>
							GE	TBD	2. Reflect 0.1 in SSAR table and text	

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ABWR Tasks to wrap up PRA

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C-1		IORV success criteria	Kelly Rafferty				NRC	TBD	Review Response	Response sent to NRC 4/14. Kelly to confirm OK. 5/29 Note: no confirmation yet. GE assumes OK.
S-1	n	Defend one trip per year	Kelly Duncan	v	n	v	NRC	TBD	Reflect agreement in SER.	NRC now agrees 1 trip/year as reasonable - <u>Item Resolved</u>

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ABWR Tasks to wrap up PRA

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				I	n	e				
Q-2	19D.5.1.4	Evaluate support system failure on plant trips	Kelly Larson	v	s	s	NRC			GE has provided (Jan. 27) draft material (HVAC failure) and list of other support system to be addressed. GE agreed to staff request to add loss of single AC or single DC bus. GE also agreed to 4/9 staff request to also consider loss of TBOCW system and RPV water level instrument failure. Further discussions (4/14) suggest all areas resolved. Calculation deferred to incorporate in requantification (item PRA-1). FINAL Response provided to NRC 6/15.
							GE		Reflect update in SSAR (see Item IE-1)	

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O-5	19D.3.1.3.5	Analyze interfacing LOCA	Kelly Larson	n			GE	n	Document piping upgrade. Track Separately	Part of SSAR update in response to item 1.2. Response provided 6/15.

NRC2

GE 12/5 Update to Cover S-2, O-
1, S-1, O-2, O-3

IE-1 SSAR amendment
for initiating
events

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ABWR Tasks to wrap up PRA

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O-4A	19E.2.3.3	Outside containment LOCA	Palla Frederick Knecht Vishu	s			NRC		Review 6/4 material rapid feedback requested. Review complete. See further action under O- 4B.	Further discussions held 4/16. GE/NRC/Brook- haven, resulting in GE agreement to Supplement SSAR 19E.2.3.3: 1) use Beta's from ALWR KAG 2) clarify conditional probabilities, 3) Explain how split fraction expansion factors, resistance coefficients and dP (t) were determined. Submitted 4/27. Preliminary NRC review indicates item resolved 5/4. Additional items discussed 6/3. Revision to bypass study submitted 6/4.

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ABWR Tasks to wrap up PRA

DSER Item	SSAR Section	Title Subta.	NRC Contact GE Contact	P I a n	A n a l	R c v i c w	Next Actor	Date	Action	Comments
n SC-1	n	ATWS RHR Success Criteria	Kelly Buchholz	c	c	v	NRC	2	Reflect closure in FSER	Agreed SSAR treatment is adequate at San Jose 1/92 meeting. Documentation submitted 4/2/92. <u>Item Resolved</u>
n SC-2	19.9	RWCU as DHR Success (ACRS)	Kelly Paradiso				NRC			Minor design modification. Kelly, Paradiso discussed 5/27. Details provided to NRC 6/4. SSAR text for COL action item submitted to NRC 6/30.
			Nazareno				GE	11/30	Amend SSAR to reflect modifications	

Failure Data

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ABWR Tasks to wrap up PRA

DSER item	SSAR Section	Title - Subtask	NRC Contact GE Contact	P l a n	A n i c e	R e v i e w	Next Actor	Date	Action	Comments
C-3		Justify common cause failure data	Kelly Frederick						See item 0-5	
0-5	19D.8	Justify train-level common cause approach is adequate	Kelly Raftery Frederick				NRC ? GE	7 12/2	Tell GE if item is resolved. Document in Amendment to SSAR, cover items C-3 and O-5	For item C-3 and 0-5, NRC suggested re-quantify PRA without addressing CCF, then requantify CCF as sensitivity study as part of input to RAP (Item 1-15). GE/NRC have agreed on which components to include. Submitted to NRC 5/90. 9/29 Note: GE assumes OK, will amend SSAR.

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OCT 1 1992 3:14 PM
 GE NUCLEAR BWR
 W-47 P. 9-31

ABWR Tasks to wrap up PRA

DSER item	SSAR Section	Title Subtask	NRC Contact GE Contact	P I n a n	A n a l i s i s	R e v i e w	Next Actor	Date	Action	Comments
C-4A		Justify test/maintenance data analysis	Kelly Raftery				GE	n	Include new values in requantification: test and maintenance unavailability	Action plan discussed with NRC 3/24: T/M unavailabilities will be increased for utility flexibility. ECCS, RCIC RHR unavailability will be taken as 2%. <u>Item Resolved</u>
							GE	TBD	Reflect in SSAR (See item FD-1)	
C-4B		CDF sensitivity to outage times, surveillance intervals	Kelly Raftery				GE	11/25	Amend SSAR	New request by NRC. Mention no change in established BWR surveillance internals, therefore sensitivity not investigated. <u>Submitted 7/15.</u>

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CT-1-92
 NRC
 GE
 NUCLEAR
 ABWR
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ABWR Tasks to wrap up PRA

DSER Item	SSAR Section	Title Subtask	NRC Contact GE Contact	P I a n	A n a l	R e v e w	Next Actor	Date	Action	Comments
O-6	Tables 19D.6-2 and -3	Justify RHR, HPCF pump failure probability	Kelly Raftery				GE	TBD	reflect justification in SSAR.	Justification provided 4/13 Raftery to Kelly. Justification accepted by NRC. <u>Item Resolved.</u>
FD-1		Update failure data in SSAR	Raftery				GE	11/23	SSAR amendment to cover C-4AB, O-6	
O-21A	19.10	List systems not part of certified design, significant assumptions, assumed reliability	Palla Duncan				NRC			Submitted to NRC as Section 19.10 on 6/27.
							GE	TBD	Update SSAR	

Level 1 PRA and Subsequent Related Studies (PRA)

S-11	n	Fire water credit correction	Kelly Visweswaren				n	n	GE approach conservative. Fire water will be in RAP and as applicable in accident management. No other action needed. <u>Item Resolved</u>	
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OCT 1 1999 10:10M GE HQ/LEAP ABWR

MAR 1 1999

ABWR Tasks to wrap up PRA

DSER Item	SSAR Section	Title - Subtask	NRC Contact GE Contact	P I a n	A n a l	R e v i e w	Next Actor	Date	Action	Comments
n PRA- 1A		Requantify level 1 PRA results (base case)	Kelly Raftery				NRC ?			Tabular results sent to NRC 5/22. CDF by initiator and accident class.
			Raftery				GE	11/20	Amend SSAR	
n PRA- 1B		Add comparison to operating BWRs, why sequence frequencies decrease	Kelly Raftery				GE	10/16	Provide comparison	New request by NRC. supports FSER A.2.1.1 will compare to Grand Gulf. Submitted 7/15. Discussed with NRC 9/9. Raftery to develop new comparison.
n PRA-2		Study of effect of instrumentation out of service	Kelly Raftery				GE	TBD. After 6/90	Provide results	Provide results if needed to support tech spec.

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ABWR Tasks to wrap up PRA

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				I	n	c				
				a	a	v				
				n	l	i				
						c				
						w				
O-18A		Level 1 uncertainty analysis	Kelly Rafferty	v			NRC			Results stop at CDF, will not be propagated through analysis. Item was late due to work on Flood PRA. New date = 6/19. Submitted 6/18.
			Rafferty				GE	11/23	Amend SSAR	
O-11		Initiating Event uncertainty	Kelly	—	—	—	—	—		Address as part of item O-18A. Submitted 6/18.
I-15	19K	PRA input to Reliability Assurance	Kelly Larson	v			NRC			General agreement reached on how to proceed. Level 1 input provided 6/15. Balance submitted 6/29.

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ABWR Tasks to wrap up PRA

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			Larson					GE	10/15	Respond to items discussed on 9/10 with Kelly in San Jose	
			Larson					GE	11/29	SSAR amendment	
n PRA-3	19.8	PRA input to ITAAC	n Duncan					NRC			Preliminary submitted 5/30. Balance submitted as SSAR text 19.8 on 6/30.
0-22A	19.7	PRA as a design tool	Kelly Duncan		v	s		GE	TBD	Reflect in SSAR	95% complete draft provided 4/7. NRC says good. <u>Item resolved</u> . 100% complete response sent to NRC 6/25. Pick-up remaining items under 0-22B.
								NRC			

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ABWR Tasks to wrap up PRA

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				1	n	c				
				a	2	v				
				n	1	i				
						c				
						w				
0-22B	19.13	PRA Insights	Kelly Duncan							New item, added in 5/23 meeting. Narrative relating how PRA was used, including how several DSER items were addressed. Probably GE addresses by additions to 722A response. Submitted as SSAR section 19.13 on 6/29.
										GE thinks action is complete.

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ABWR Task - up PRA

DSER item	SSAR Section	Title Subtask	NRC Contact GE Contact		Date	Action	Comments
0-20	19Q	Shutdown risk. Four subtasks:	Kelly Visweswaren	c s			NRC agrees on 24 hour mission time.
	Table 19.Q-1	1. ABWR design features			NRC ?		Sent to NRC 5/8.
	Tables 19QB-1, -2	2. Review of past shutdown events			NRC ?		Sent to NRC 5/8.
		3. Decay heat removal reliability			NRC ?		Submitted to NRC 6/30.
		4. Other tasks			NRC ?		Submitted to NPC 6/30.
		Tasks 5 and 6 added 9/92					
		5. NRC questions			GE 10/2	Respond to NRC questions on power supplies to sensors in RWCU and RHR/SDC. Address shutdown risk of flooding. (see item I-9).	Draft sent 9/23. Final expected 10/2. (See I-9)

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ABWR Tasks to wrap up PRA

DSER item	SSAR Section	Title Subtask	NRC Contact GE Contact	P I n a n l i c w	A n a l y s i s	R e v i e w	Next Date Actor	Action	Comments
		6. SSAR Amendment	Visweswaren				GE 11/16	Prepare SSAR Amendment. Do not submit until have most NRC questions. Respond to questions from 9/9 meeting plus various faxes. Include Task 5 final response in amendment.	Draft NRC questions expected Oct. 2
Other Analyses (OA)									
O-12	19M	Fire PRA	Kelly Raftery	c	c	s	NRC 6/12	Provide results of review to GE	No major items expected. Date slipped from 4/15. Maxwell Kelly discussed questions 5/27. Lawrence Livermore review next.
			Raftery				GE 11/30	Amend SSAR.	

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				I	n	c				
				a	a	v			Actor	
				n	l	i				
						c				
						w				
1-9	19R	Internal Flood	Kelly McSherry /Goldbeck	s	s		NRC		Provide rapid feedback	Approach outlined 3/24 San Jose. Partial draft provided 6/5. Discussion held 5/9. Submitted to NRC as Appendix 19R on 6/30.

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OCT. 1 92 10:48 AM
 GE NUCLEAR ABWR
 10/1/92 10:10 AM

ABWF Tasks to wrap up PRA

DSER item	SSAR Section	Title Subtask	NRC Contact GE Contact	P I a n	A n a l	R - v i e w	Next Actor	Date	Action	Comments
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Answer NRC questions:

Vishu
McSherry

GE

10/9

Draft responses to all questions have been prepared. Most responses given to G. Kelley on 4/9. Will finalize by 10/9.

- Hot water floods and impact on penetration seals
- Flooding in intact division during shutdown
- Availability requirements for RSW pump trip and Valve isolation
- Sizing of floor drains
- Leakage past seals and doors
- Flooding in RSW pump house

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OCT 1 1992 11:58 AM GE NUCLEAR ABWF 10/1/92

No. 15, 2007

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AEWR Tasks to wrap up PRA

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Human Factors in PRA (HF)

C-5		These items are								Plan (Subtasks
O-7		addressed by the								A,B, C, D) based
O-8		following job								on NRC/GE
O-9		subtasks:								phone call 3
O-10										March 92 and
I-2										discussions 28
I-3										March. Task E
I-4										was added later.
I-5										
I-6										
I-7										

A) Provide a list of
references/general
methods used to
determine all failure
probabilities.
Reference to GESSAR
PRA is acceptable.

Beckner
Frederick

v

NRC ?

Date slipped
from 6/1 to 6/30
to focus on tasks
B,C, D.

Submitted to
NRC 6/26.

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				1	n	c				
				a	a	v	Actor			
				n	1	i				
						e				
						w				
		B) Conduct level I sensitivity study	Kelly Frederick	v			NRC	2		Increase sensitivity range if hard to document source of number. Sensitivity study submitted June 1.
19D.7		C) Develop descriptions for most significant actions for input to control room design ie, provide time available for operator action & signals that the operator relies on. Provides input to control room design & EPGs	Kelly Frederick	v			NRC	2		Descriptions submitted June 1 as part of item B response.

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				1	n	e				
				a	a	v				
				n	1	i				
						c				
						w				
		D) Provide more specific references for operator actions identified as significant based on sensitivity study. References should include table and page numbers in references. Alternatively, use a wider range in performing the sensitivity study.								References provided June 1 as part of item B response
		E) Add comparison of human error contribution to CDF compared to operating BWR.	Kelly Frederick							
							GE	10/20		New request by NRC to support FSER A.2.1.2 NUREG/CR-5527 LaSalle study is ref case.
										Item is late.
HF-1	19D.7	SSAR Amendment human factors	Frederick				GE	12/2		Cover above tasks ABCDE

Containment Event Trees (CET)

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ABWR Tasks to wrap up PRA

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				1	n	e				
				a	a	v				
				n	1	1				
						e				
						w				
S-4	n	Staff estimates extra credit for vent in Class II internal event and seismic sequences	Kelly Buchholz	c	s		GE	n	GE will take credit for vent in Level 1 requantification	<u>Item Resolved</u>
O-13		Treatment of drywell/wetwell bypass in CETs. This item is addressed by two sub tasks:								
		A) Design basis sensitivity studies	Kudrick Saxena							Tracked separately by Kudrick/Saxena
		B) Determine if CETs need to change to address bypass.	Palla/ Kudrick Buchholz				n	n		CETs modified. <u>Item resolved.</u>
O-17B		Modify CET for severe accident phen.	Palla Buchholz	c	c	c	n	n	n	<u>Item resolved.</u> Individual issues considered in uncertainty analysis, O-18.

Backend Analyses (BA)

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ABWR Tasks to wrap up PRA

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				l	n	e				
				s	a	v				
				n	i	i				
						e				
						w				
n BA-1	19F	Reanalysis of increased thickness drywell head: ultimate capability	Bagchi Liu	c	c		GE	12/1	Reflect in SSAR Amendment	Includes uncertainty treatment. Analysis submitted 4/24. SSAR update after questions resolved. Last response to NRC questions provided 6/26
n BA-2	19E	Service level C documentation	Bagchi Liu	s	c		GE	12/1	Amend SSAR	Should go in same place as 100% MWR. Analysis submitted 4/24. SSAR update after questions resolved.
							NRC	?	Address safety factor issue	Based on 6/8 meeting item seccas resolved by subtasks ABC below.

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		A) Determine 500F is reasonable temperature for assessment	Kudrick Buchholz				NRC			Kudrick to tell Bagchi for service level C. 6/22 call: JK says assume OK until hear differently.
		B) Provide analysis of drywell head anchorage to show not limiting	Bagchi Liu				NRC		Review analysis	Analysis provided June 8. A.S. Liu to G. Bagchi
		C) Conclude service level C is satisfied.	Bagchi Liu				NRC			
C-6		Flashing during venting	Palla Buchholz	c	c		NRC	6/5	Review submittal	Analysis documented in 4/2/92 submittal to NRC and Catton (ACRS).
O-14		Justify aspects of OPPD (Rupture Disk Setpoint)	Palla Buchholz	c	c		NRC			Documentation submitted 6/30.

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ACT 1 12 3:21 PM GE MUSEEAP ABWR

W451 P.20 31

ABWR Tasks to wrap up PRA

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				I	n	e				
				a	a	v				
				n	i	i				
						c				
						w				
O-15		Net risk of passive flooder system	Palla Buchholz	c	c		NRC			Documentation submitted 6/90.
O-16		CCI- coolability	---	---	---	---	---	---	---	---
		A) Containment integrity	Palla Buchholz	c	c		NRC			GE has shown staff results. Staff concurred that sideward erosion does not pose a threat. Submitted 6/90.
		B) Source terms	Palla Buchholz	c	---	---	---	---	---	See uncertainty analysis

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ABWR Tasks to wrap up PRA

DSER item	SSAR Section	Title - Subtask	NRC Contact GE Contact	P I n t e r f a c e	A n a l y s i s	R e v i e w	Next Actor	Date	Action	Comments
O-17A		Modify GETs for DCH, FCI, etc.	Palla Buchholz	v	c	c	n	n		Individual issues treated in uncertainty analysis. Methods agreed. <u>Item resolved.</u>
O-18		Uncertainty analysis	---	---	---	---	---	---	---	---
		A) Survey literature	Palla Buchholz	c	c	v	n	n	n	<u>Item resolved</u> per 5/26 phone call.
		B) Screen events for applicability to ABWR	Palla Buchholz	c	c	v	n	n	n	<u>Item resolved</u> per 5/26 phone call.
		C) Perform sensitivity studies	Palla Buchholz	v	c		NRC			Submitted 6/30.
		D) Detailed DCH Uncertainty analysis	Palla/ Kudrich Buchholz	c	c	v	GE	7/15	Provide written documentation	Documentation submitted 4/20. Discussed 6/15. Approach accepted. Minor comments to be resolved.

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ABWR Tasks to wrap up PRA

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		-E) Detailed CCI/Coolability Uncertainty analysis	Palla Buchholz	v	s	s	NRC			Submitted 6/30.
		-F) Cladding floor area (etc), Item 7 of 4/13/92 ACRS letter	Buchholz				NRC			Considered in coolability uncertainty analysis. Submitted 6/30.
		-G) Detailed bypass uncertainty analysis	Palla Buchholz				NRC			Discussed 6/12. Staff agreed methods and results reasonable. Submitted 6/30.

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ABWR Tasks to wrap up PRA

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n BA-3		Drywell Sump coolability	2 CEB				GE	7/30	"Specs"	Analytical basis for sump protection submitted Aug. 7.
S-9		Rupture disk operation before 24 hours not cont failure	Palla Buchholz				NRC		Reflect agreement in FSER.	NRC agrees rupture disk operation is not containment failure. <u>Item Resolved</u> GETs submitted 6/30 contain information.
S-12		ATWS treatment by NRC	Palla Buchholz				NRC		Reflect closure in FSER	NRC agrees GE approach conservative, no other impacts. <u>Item Resolved</u>
NRC Additions (NRC)										
NRC- 1	Chapter 22	Severe Accident Closure	Madrick Buchholz	c	c		NRC	?	Write section. Inform GE if more info needed beyond that identified in 2/90 submittal.	FCI questions expected.

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ABWR Tasks to wrap up PRA

DSER Item	SSAR Section	Title - Subtask	NRC Contact GE Contact	P I n a n	A n a l i c w	R e v i e w	Next Date Actor	Action	Comments
NRC- 2		Accident management	Palla Duncan	s	c	v	GE	10/7 ? Need more discussion. GE to make proposal.	Early review is positive. BNL review in progress. 6/5: NRC wants more.
NRC- 3		SARDA Submittal	Palla? Quirk				GE	TBD not req'd. before 5/90.	Need the dose table for EPZ simplification.
Seismic Analysis Beyond Design Base (SA)									
S-5	19H5	Fuel assembly capacity	Kelly Liu	v			GE	Update SSAR	NRC, GE have agreed to 1.2g. <u>Item resolved</u>
S-6	19H5	Flat-bottom tank capacity	Kelly Liu	v			GE	See Margins Analysis (SA-2)	
S-7	19H5	Diesel generator capacity	Kelly Liu	v			GE	Margins Analysis	
S-8	19H5	Electrical equipment capacity	Kelly Liu	v			GE	Margins Analysis	

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ABWR Tasks to wrap up PRA

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I-14	19H.5	Confirm electrical equipment capacities in site specific PRA	Kelly Duncan	v			GE	Margins analysis	Site specific PRA not required. Capacities used in margins analysis will be COL applicant action.
		Amend SSAR 19H	Kelly Liu				GE	New SE after seismic design reanalysis	
O-21B	19.10	Seismic capacities for systems not in certified design	Palla Duncan	v			NRC		Addressed by SSAR text 19.10, submitted 6/27.
S-10	n	Staff will use LLNL hazard curve	Kelly Duncan	--	--	--	n	n	Seismic PRA not required. <u>Item resolved</u>
n SA-1	n	How to treat seismic hazard uncertainties	Kelly Duncan	--	--	--	n	n	Not required. <u>Item resolved</u>
I-10	19.9	Confirm assumed seismic capacities and incorporate in design specs	Kelly Duncan	v			GE		Addressed by SSAR text 19.9, submitted 6/30.

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ABWR Tasks to wrap up PRA

DSER Item	SSAR Section	Title Subtask	NRC Contact GE Contact	P	A	R	Next Actor	Date	Action	Comments
				I	n	e				
				a	a	v				
				n	i	i				
						w				
I-11	n	Modify seismic PRA to account for soil failures	Kelly Duncan	—	—	—	n		n	Seismic PRA required. NRC may address by site licensing requirement. <u>Item Resolved</u>
I-12	19.9	Plant walkdown by applicant	Kelly Duncan	—	—	—	n	n	n	GE agrees to plant walkdown per EPRI NP- 5041 <u>Item resolved</u> Addressed by SSAR text 19.9, submitted 6/30.
I-13	n	Site specific seismic PRA by applicant	Kelly Duncan	—	—	—	n	n	n	Seismic PRA not required. NRC may address by site licensing requirement. <u>Item Resolved</u>

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O-19	19.2.3.3.4	Address potential for penetration, isolation valve failure during seismic event	Palla Knecht	v			NRC	6	Review 6/4 submittal. Rapid feedback requested.	Proposed approach provided to NRC Dec. 91, Jan. 92
			Knecht				GE	n	Action Complete	Next: incorporate seismic into bypass study. Revision to bypass study submitted 6/4.
S-3		Correct the treatment of firewater in Seismic Class II CET	Kelly Vishu	v		n				See also item O-4.
n SA-2		Margins Analysis	Kelly Frederick							CETs not needed in margins analysis submitted 6/26.
										Submitted 6/26, including seismic capacities for applicant to check (see SSAR 19.9).

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ABWR Tasks to wrap up PRA

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Frederick

GE

12/15

Reflect margins
analysis in SSAR
amendment.

Assumes basic
method of
analysis is OK.
NRC assessment
of margins
analyses
expected 10/2

Other External Hazards

I-8	n	Site specific design verification: external floods, transportation hazards	Kelly Duncan	NRC	6/92	NRC will probably address as supplement to SER. Guidance to applicant.	"Grandchild" of SECY 016 due about June. Classic design analysis alone may be sufficient. Probably no action by GE.
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Interfaces (General) (IN)

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ABWR Tasks to wrap up PRA

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n IN-1	19.9 19.10	Be sure PRA "requirements" and insights get into "Interface write up"		s			GE			GE believes 19.9, 19.10 address this issue.
Consequence Analysis (CA)										
n CA-1		No NRC feedback on site acceptability: Appendix 2A	Palla Careway				NRC		Reflect agreement in FSER	Palla/Careway discussed 4/2. NRC agrees. <u>Item Resolved</u>
			Careway				GE	TBD	Reflect corrections in SSAR.	Corrections submitted 6/29.
n CA-2	n	Reflect corrected CRAC/weather treatment in consequence analysis.	Palla Careway				n	n	n	Correction made. <u>Item resolved</u>
n CA-3	19E.3	New consequence analysis for PRA	Palla Careway				NRC			Need NRC agreement on GETs mid June to make this date. Submitted 6/30.

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ABWR Tasks to wrap up PRA

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n	19E3 CA-4	New consequence analysis for EPZ	Palla Careway					NRC Reflect agreement in FSER.	Submitted 6/30.
n	19P CA-5	Appendix 19P (50.34f design mods) update.	Palla Knecht					NRC 10/2 Provide questions.	Submitted 6/30. Discussion planned 10/7, 10/8.
								GE TBD Respond to questions	
n	TBD CA-6	Demonstrate compliance with EPRI Emergency Planning Criteria and methodology.	Palla Careway Buchholz Liu Duncan					GE TBD Draft Ch 19 Appendix	Need NRC acceptance in FSER

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< TRANSACTION REPORT >

10-01-1992(THU) 17:20

[RECEIVE]

NO.	DATE	TIME	DESTINATION STATION	PG.	DURATION	MODE	RESULT
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				37	0*11'13"		