



504-1132

52-001

11 #3

GE Nuclear Energy

ABWR

To CHET POSTLOSNY NRC
VICTOR Mc CREE NRC
GLEN KELLY NRC

Date 5 MAY 92

Fax No. _____

This page plus 26 page(s)

From JACK DUNCAN

Mail Code _____
175 Curtner Avenue
San Jose, CA 95125

Phone (408) 925- 6947

FAX (408) 925-1193
or (408) 925-1687

Subject ABWR PRA PUNCH LIST

Message 2'S PAGE LIST FOLLOWS THIS
COVER NOTE

THIS IS THE LIST CRAIG
SAWYER WILL REFER TO IN HIS
MAY 7 "SUMMARY OF KEY PRA
ACTIVITIES"

CHET OR VIC - WOULD YOU PLEASE
GIVE COPY TO SAWYER & QUIRK
MAY 7? THEY LEFT BEFORE PRINTING

2222

ABWR Tasks to wrap up PRA

DSER item	SSAR Section	Title - Subtask	NRC Contact GE Contact	P A R			Next Actor	Date	Action	Comments
				l	a	e				
Fault Tree Update (FT)										
O-1		RPS Reliability	Kelly Raftery	v	s		NRC	TBD		GE Provided RPS fault tree to NRC 4/15
n FT-1		Update other fault trees	Kelly Raftery	v	s		GE	4/30	Provide balance of fault trees to NRC	Late. New schedule: EGCS Trees 5/8, balance late May.
Initiating Events (IE)										
S-2		Defend 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	
C-1		IORV success criteria	Kelly Raftery				NRC	TBD	Review Response	Response sent to NRC 4/14.
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>

C = Confirmatory item
 S = Staff correction
 O = Outstanding item
 I = Interface requirement
 P = DSER page number - no issue number
 n = Not a DSER item

s = started
 v = discussed verbally but not documented
 c = complete with documented agreement
 n = not applicable

5/5/92

Page 1

MAY 5 '92 2:45PM GE NUCLEAR ABWR 0710 P. 2/20

ARW Tasks to wrap up PRA

DSER item	SSAR Section	Title - Subtask	NRC Contact GE Contact	PAR Line n l i c w	Next Actor	Date	Action	Comments
O-2		Evaluate support system failure on plant trips	Kelly Raftery	v s s	GE	TBD	Document response	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 TBCCW system and RPV water level instrument failure. Further discussions (4/14) suggest all areas resolved. Calculation deferred to incorporate in requantification (item PRA-1).

C = Confirmatory item
 S = Staff correction
 O = Outstanding item
 I = Interface requirement
 P = DSER page number - no issue number
 n = Not a DSER item

s = started
 v = discussed verbally but not documented
 c = complete with documented agreement
 n = not applicable

5/5/92

Page 2

MAY 5 1992 2:48PM GE NUCLEAR CORP
 MAY 10 1992

GE NUCLEAR ENERGY

OFFICE SUPPLIES REQUISITION

REQ. NO. 61163

Date 5-5-92

- 23861 SAN JOSE
- 24638 KING OF PRUSSIA
- 27148 OAK BROOK
- 26883 NORCROSS
- 26848 REUTER-STOKES

Phone No. (408) 925-1074

Blanket P.O.# 52990A525A

48031 ALL OTHER LOCATIONS (Fill in complete address)

Ship To: _____

Address: _____

City: _____ State _____ Zip _____

COMPONENT NO.	PROJECT NO. IF APPLICABLE
493	[] [] [] [] []
(NOS Dept. Field)	

Attention: Mary Lu Hazel

Bldg./Rm: 5/1561

Mail Code: 781

Authorized By: _____

Each = Ea Box=Bx Package=Pk Pair=Pr Carton=Ct Tube=Tb Roll=RI Set=St Dozen=Dz Ream=Rm Hundred=Hu Thousand=Th

SPECIAL INSTRUCTIONS (IF REQUIRED):				
QUANTITY	U/M	SPEEDIE ORDER NO.	BRIEF DESCRIPTION	PRICE
4	SP001 15	IBM020X -	IBM-1299790 - Quiet-Writer Ribbons by IBM - page 526	14. ⁰⁰ /each
4	CRO801X	CRO -8513	Medium Black refills by Cross	1.50/each
1	KCG-8102	SD365-35	8 3/4 x 13 3/4" - Daily Journal	53.45
1	RIK084	52000	CAVAIDSTRAY Locking	21.95/each
1	RIK084	52000	3 1/2" f 30 disk capacity model page 52	21.95
1	RIK084	52000	MITOSU 3 1/2" - 60 Capacity RIK-52000	21.95

ABWR Tasks to wrap up PRA

DSER item	SSAR Section	Title - Subtask	NRC Contact GE Contact	P	A	R	Next Actor	Date	Action	Comments
				l	a	n				
O-3		Analyze interfacing LOCA	Kelly Visweswaren	n			GE		Document piping upgrade. Track Separately	
O-4		Outside containment LOCA	Kelly Frederick Knecht Vishu	s			NRC	TBD		Further discus- sions held 4/16: GE/NRC/Brook- haven, resulting in GE agreement to Supplement SSAR 19E.2.3.3: 1) use Becc'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.

C = Confirmatory item
 S = Staff correction
 O = Outstanding item
 I = Interface requirement
 P = DSER page number - no issue number
 n = Not a DSER item

s = started
 v = discussed verbally but not documented
 c = complete with documented agreement
 n = not applicable

5/5/92

Page 3

MAY 5 1992 2:45PM GE NUCLEAR ABWR 10718 P. 4/20

ABWR Tasks to wrap up PRA

DSER item	SSAR Section	Title - Subtask	NRC Contact GE Contact	P	A	R	Next Date	Action Actor	Comments
				I	a	n			
I-1		Confirm site loss of AC, other site specific parameters	Kelly Raftery	s	v	n		Applicant action <u>Item resolved.</u>	

Success Criteria (SC)

C-2		ATWS Success Criteria to prevent core damage	Kelly Buchholz	c	c	v	NRC ?	Review submittal	Agreed SSAR treatment is adequate at San Jose 1/92 meeting. Documentation submitted 4/2/92
n SC-1		ATWS RHR Success Criteria	Kelly Buchholz	c	c	v	NRC ?	Review submittal	Agreed SSAR treatment is adequate at San Jose 1/92 meeting. Documentation submitted 4/2/92

C = Confirmatory item
 S = Staff correction
 O = Outstanding item
 I = Interface requirement
 P = DSER page number - no issue number
 n = Not a DSER item

s = started
 v = discussed verbally but not documented
 c = complete with documented agreement
 n = not applicable

5/5/92

Page 4

MAY 5 1992 2:40PM GE NUCLEAR POWER

MAY 10 1992

ABWR Tasks to wrap up PRA

DSER item	SSAR Section	Title - Subtask	NEC Contact GE Contact	P	A	R	Next Actor	Date	Action	Comments
				I	n	c				
				a	a	v				
				n	i	i				
				e						
				w						
C SC-2		RWCU as DHR Success (ACRS)	Kelly Paradiso				GE	TBD		Minor design modification under review.
Failure Data										
C-3		Justify common cause failure data	Kelly Frederick						See item 0-5	
0-5		Justify train-level common cause approach is adequate	Kelly Raftery				GE	TBD	Submit analysis after requantification	For item C-3 and 0-5, NRC suggested requantify PRA without addressing CCF, then requantify CCF as sensitivity study as part of input to RAP (Item I- 15). GE /NRC have agreed on which components to include.

C = Confirmatory item
 S = Staff correction
 O = Outstanding item
 i = Interface requirement
 P = DSER page number - no issue number
 n = Not a DSER item

s = started
 v = discussed verbally but not documented
 c = complete with documented agreement
 n = not applicable

5/5/92

Page 5

MAY 5 '92 2:49PM GE NUCLEAR ABWR

MAY 5 '92

ABWR Tasks to wrap up PRA

DSER item	SSAR Section	Title - Subtask	NRC Contact GE Contact	P A R			Next Actor	Date	Action	Comments
				l a n	n a l	c v i c w				
C-4		Justify test/maintenance data analysis	Keliy 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	
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>
O-21A		List systems not part of certified design, significant assumptions, assured reliability	Palla Duncan				GE	6/15	Provide list	

Level 1 PRA and Subsequent Related Studies (PRA)

C = Confirmatory item
 S = Staff correction
 O = Outstanding item
 I = Interface requirement
 P = DSER page number - no issue number
 n = Not a DSER item

s = started
 v = discussed verbally but not documented
 c = complete with documented agreement
 n = not applicable

5/5/92

Page 6

MAY 5 92 2:45PM
 GE NUCLEAR ABWR
 4010 P. 7/25

ABWR Tasks to wrap up PRA

DSER item	SSAR Section	Title - Subtask	NRC Contact GE Contact	P A R			Next Date	Action Actor	Comments
				l	n	e			
S-11		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>
n PRA-1		Requantify level 1 PRA results (base case)	Kelly Raftery				GE	5/1	Tabular results to NRC: CDF by initiator and accident class. Will be deferred to reflect support system trips and NRC directed SSLC mods.
n PRA-2		Study of effect of instrumentation out of service	Kelly Raftery				GE	TBD	Provide results
O-18A		Level 1 uncertainty analysis	Kelly Raftery				GE	6/30	SSAR text draft to NRC
O-18A		Level 1 uncertainty analysis	Kelly Raftery	v			GE	5/15	Submit uncertainty analysis Results stop at CDF, will not be propagated through analysis
O-11		Initiating Event uncertainty	Kelly						Address as part of item O-18A

C = Confirmatory item
 S = Staff correction
 O = Outstanding item
 I = Interface requirement
 P = DSER page number - no issue number
 n = Not a DSER item

s = started
 v = discussed verbally but not documented
 c = complete with documented agreement
 n = not applicable

5/5/92

Page 7

MAY 5 '92 2:50PM GE NUCLEAR ABWR

MAY 10 11:02AM

ABWR Tasks to wrap up PRA

DSER item	SSAR Section	Title - Subtask	NRC Contact GE Contact	P	A	R	Next Date	Action Actor	Comments
				l	n	e			
0-20		Shutdown risk. Four subtasks:	Kelly Visweswaren	c	s		NRC 4/24	Further discussion: mission time. Expected 5/8	NRC PRA people need input from Systems Branch.
		1. ABWR design features					GE 4/30		Late. Expected date = 5/8
		2. Review of past shutdown events					GE 4/30		Late. Expected date = 5/8
		3. Decay heat removal reliability					GE 6/30		
		4. Other tasks					GE 6/30		
Other Analyses (OA)									
0-12		Fire PRA	Kelly Raftery	c	c	s	NRC 5/4	Provide results of review to GE	No major items expected. Date slipped from 4/15.
1-9		Internal Flood Four subtasks:	Kelly Visweswaren	s	s		GE 5/27	Provide partial draft	Approach outlined 5/24 San Jose

C = Confirmatory item
 S = Staff correction
 O = Outstanding item
 i = Interface requirement
 P = DSER page number - no issue number
 n = Not a DSER item

s = started
 v = discussed verbally but not documented
 c = complete with documented agreement
 n = not applicable

5/5/92

Page 9

MAY 5 1992 2:50PM GE NUCLEAR ABWR

NOTED P. 10/20

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	c				
				a	a	v				
				n	I	i				
				c						
				w						
I-15		PRA input to Reliability Assurance	Kelly Raffery	v			GE		Define input	General agreement reached on how to proceed
n		PRA input to ITAAC	n				GE	6/1	Submit about half	
PRA-5			Duncan				GE	6/30	Submit balance	
0-22A		PRA as a design tool	Kelly Duncan	v	s		NRC	5/8	Provide response	95% complete draft provided 4/7.
0-22B		PRA Insights	Kelly Duncan				NRC	5/8	Outline of management closure. June 25 staff deadline. Clarification expected 5/8	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 022A response.

C = Confirmatory item
 S = Staff corrects
 O = Outstanding item
 I = Interface requirement
 P = DSER page number - no issue number
 n = Not a DSER item

s = started
 v = discussed verbally but not documented
 c = complete with documented agreement
 n = not applicable

5/5/92

Page 8

MAY 5 1992 2:50PM GE NUCLEAR ABWR

ABWR Tasks to wrap up PRA

DSER item	SSAR Section	Title - Subtask	NRC Contact GE Contact	P A R J a n e a v n I c w	Next Actor	Date	Action	Comments
		1) Turbine Bldg	Ehlert					
		2) Control Bldg	Miller					
		3) Reactor Bldg	Maxwell Ehlert					
		4) Event Trees	Gokcek					

Human Factors in PRA

C = Confirmatory item
 S = Staff correction
 O = Outstanding item
 I = Interface requirement
 P = DSER page number - no issue number
 n = Not a DSER item

s = started
 v = discussed verbally but not documented
 c = complete with documented agreement
 n = not applicable

5/5/92

MAY 5 '92 2:51PM GE NUCLEAR ABWR M0718 P.11/20

ABWR Tasks to wrap up PRA

DSEI Item	SSAR Section	Title - Subtask	NRC Contact GE Contact	P A R			Next Date	Action Actor	Comments
				I n n	a a l	c v i c w			
C-5		These items are addressed by the following job subtasks:						Plan (Subtasks A,B, C, D) based on NRC/GE phone call 3 March 92 and discussions 25 March.	
O-7									
O-8									
O-9									
O-10									
I-2									
I-3									
I-4									
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		GE	6/1	Provide list	
		B) Conduct sensitivity study	Kelly Raftery	v		GE	6/1	Sensitivity study results	Increase sensitivity range if hard to document source of number

C = Confirmatory item
 S = Staff correction
 O = Outstanding item
 I = Interface requirement
 P = DSEI page number - no issue number
 n = Not a DSEI item

s = started
 v = discussed verbally but not documented
 c = complete with documented agreement
 n = not applicable

5/5/92

Page 11

MAY 5 1992 2:51 PM '92 NUCLEAR ABWR

80710 P. 12/23

ABWR Tasks to wrap up PRA

DSER item	SSAR Section	Title - Subtask	NRC Contact GE Contact	P	A	R	Next Date	Action Actor	Comments
				i	n	e			
		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 Duncan	v			GE		Preliminary judgement of significant items documented in 18F.2.
		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.							

- C = Confirmatory item
- S = Staff correction
- O = Outstanding item
- I = Interface requirement
- P = DSER page number - no issue number
- n = Not a DSER item

- s = started
- v = discussed verbally but not documented
- c = complete with documented agreement
- n = not applicable

5/5/92

MAY 5 92 2:51PM
 GE NUCLEAR DEPT
 80719 P. 13/25

ABWR Tasks to wrap up PRA

DSER item	SSAR Section	Title - Subtask	NRC Contact GE Contact	P	A	R	Next Date	Action Actor	Comments
				i	a	r			

Containment Event Trees (CET)

S-4		Staff estimates extra credit for vent in Class II internal event and seismic sequences	Kelly Buchholz					GE	GE will take credit for vent in Level I requantification
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					GE	See O-18, Backend Uncertainty Analysis

- C = Confirmatory item
- S = Staff correction
- O = Outstanding item
- I = Interface requirement
- P = DSER page number - no issue number
- n = Not a DSER item

- s = started
- v = discussed verbally but not documented
- c = complete with documented agreement
- n = not applicable

MAY 5 02 2:52PM '92 GE NUCLEAR ABWR 16718 P. 14/20

ABWR Tasks to wrap up PRA

DSER item	SSAR Section	Title - Subtask	NRC Contact GE Contact	P	A	R	Next Date	Action Actor	Comments
				l	a	n			
O-17B		Modify CET for severe accident phen.	Palla Buchholz	n	a	s		Review 4/20 Submittal which indicates plan.	See item O-17A under Backend Analysis. Any changes needed will be done in context of uncertainty analysis.

C = Confirmatory item
 S = Staff correction
 O = Outstanding item
 I = Interface requirement
 P = DSER page number - no issue number
 n = Not a DSER item

s = started
 v = discussed verbally but not documented
 c = complete with documented agreement
 n = not applicable

5/5/92

Page 14

MAY 5 '92 2:52PM GE NUCLEAR ABWR

MAY 10 11:20

ABWR Tasks to wrap up PRA

DSER item	SSAR Section	Title - Subtask	NRC Contact GE Contact	P A k			Next Date	Action Actor	Comments
				I	n	e			
				a	a	v			
				n	i	i			
				e					
				w					
Backend Analyses (BA)									
n BA-1	19F	Reanalysis of increased thickness drywell head: ultimate capability	? Liu	c	c	GE	5/30	Reflect in SSAR	Includes uncertainty treatment by CKA.
n BA-2	19E	Service level C documentation	? Liu	c	c	GE	5/30	Reflect in SSAR	Should go in same place as 100% MWR.
C-6		Flashing during venting	Palla Buchholz	c	c	NRC	?	Review submittal	Analysis documented in 4/2/92 submittal.
O-14		Justify aspects of OPPD (Rupture Disk Setpoint)	Palla Buchholz	c	s	GE		Provide documentation indicating results of sensitivity and uncertainty analyses in regard to the OPPD and giving the basis for the setpoint.	GE agreed to raise rupture disk setpoint

C = Confirmatory item
 S = Staff correction
 O = Outstanding item
 I = Interface requirement
 P = DSER page number - no issue number
 n = Not a DGER item

s = started
 v = discussed verbally but not documented
 c = complete with documented agreement
 n = not applicable

5/5/92

Page 15

MAY 5 '92 2:52PM GE NUCLEAR ABWR

M5718 P.16/26

ABWR Tasks to wrap up PRA

DSEK 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				
						e				
						w				
0-15		Net risk of passive flooder system	Palla Buchholz	c			GE	4/30	Provide documentation indicating results of sensitivity and uncertainty analyses in regard to the passive flooder.	Late. New date 5/30.
0-16		CCI- coolability	---	---	---	---	---	---	---	---
		-A) Containment integrity	Palla Buchholz	c	s		GE	4/10	Take credit for assumed factor of safety in calculation. Submit to NRC. Late. New date 5/25	GE has shown staff early results of bounding analysis - work not complete but results appear to support no containment failure
		-B) Source terms	Palla Buchholz	c						See uncertainty analysis

C = Confirmatory item
 S = Staff correction
 O = Outstanding item
 I = Interface requirement
 P = DSEK page number - no issue number
 n = Not a DSEK item

s = started
 v = discussed verbally but not documented
 c = complete with documented agreement
 n = not applicable

5/5/92

Page 16

MAY 5 '92 2:52PM 333 NUCLEAR ABWR

M0119 P.17/26

ABWR HIGH PRIORITY OPEN ISSUES
IDENTIFIED IN DSERS OR IN RESOLUTION MEETINGS
(NRR & GE Inputs)

Open Issue
Number

SECY-91-153

Chapters 1-6,17

(necessary for conducting a dynamic analysis)

- 1 (3,32) Main Steamline Seismic Classification (3.2.2, 6.7)
- 2 (4) Design Basis Tornado (3.3.2)
- 2 (8) Natural Phenomena Missiles (3.5.1.4)
- 2 (9) Tornado Design Features (3.5.2)
- 1 (10) Effects of Pipe Breaks Outside Containment (3.6.1)
- 3 (14) Control Rod Acceptance Criteria (4.2)
- 2 (30) SGTS Single Filter Train (6.5.1)

SECY-91-235 Chapters 1,3,9,10,&13

- 1 (60) HVAC Design Detail (9.4.1.1)
- 1 (66) MSIV Leakage Control System (10.3) (See #3,32 above)
- 1/3 (69) Condensate & Feedwater System Power Source
To Cutoff Valve (10.4.7)

SECY-91-294 Chapter 7

- 4 * Level of Design Detail
- 3 { * Diversity
- (10) Common Mode Failure (7.2.3,7.7.2)
- 4 * Design Process

SECY-91-320 Chapter 18

- 4 { * Human Factors/Control Room Design Process
- * Conformance Review (Hold) Points
- * Design Acceptance Criteria
- 1 * Inventory of Fixed Displays, Controls, Alarms,
based on EPGs

SECY-91-309 Chapter 19

- 2 (2) Impact of Failure of Support Systems on Plant Trips
- 2 (5) Justification of Train-Level vs
Component-Level Common Mode Failure

* Cross reference to DSER open items as appropriate will evolve as GE information is developed, submitted, and approved. It is implicit that resolution of the items for I&C and HFE will result in the closure of most if not all of the DSER items in Chapters 7 and 18.

1 - SUBMITTED 3 - IN PROCESS
2 - RESOLVED, 4 - ITAAC /DAC
 SUBMITTAL PENDING

- 3 (17) Modification of CETs and Sensitivity/Uncertainty Effort
- 3 (20) Assessment of Procedure Vulnerabilities in All Modes
- 3 (22) PRA Insights in the Design Process
- 3 * Internal Flooding PRA

SECY-91-355 Chapters 1,2,3,5,6,8,9,10,12,13,14, & 15)

- 2/1** (5-10) Suppression Pool Loads (6.2.1.6)
- 2/1 (13) Suppression Pool Bypass Leakage (6.2.1.8)
- 1 (29,136) Limiting Fault Classification of Trip of All RIPs (8.2.2, 15.1)
- 1 (30) Compliance with IEEE 384 1974 (8.3.1)
- 1 (64) DC to DC Converters as Isolation Devices (8.3.8.2)
- 3/4 ((106,110) Shielding Issues (12.1.2, 12.3.1)
- 4 ((107,113) Airborne Concentrations and Monitoring Design (12,2,1, 12,3,3)
- A 2 (114) Criticality Monitoring (12.3.4)
- 1 R (138) Credit for Non-Safety Grade Equipment (15.1)
- 1 (142) Chapter 15 Revision (15.3) (See MSL Class. item above)
- 1 (144) ATWS Issues (15.4)

Post DSER Items: These issues have been identified as priority open issues in letters to GE, or during issue resolution meetings between the staff and GE and are not specifically identified as open issues in the DSERS.

- 3 Seismic Design Adequacy (2.5.2)
- 4 { High Energy Line Break Analyses (3.6.2)
- 4 { Leak-Before-Break (3.6.3), (3.6.1)
- 4 { Piping Design-Level of Detail (3.6.1,2, and 3)
- 3 X Severe Accident Closure
- 3 Shutdown Risk
- 1 Reliability Assurance Program
- 3 ITAAC
- 1 Intersystem LOCA
- 3 Technical Specifications

⇒ STAFF ACTION Emergency Procedure Guidelines Evaluation

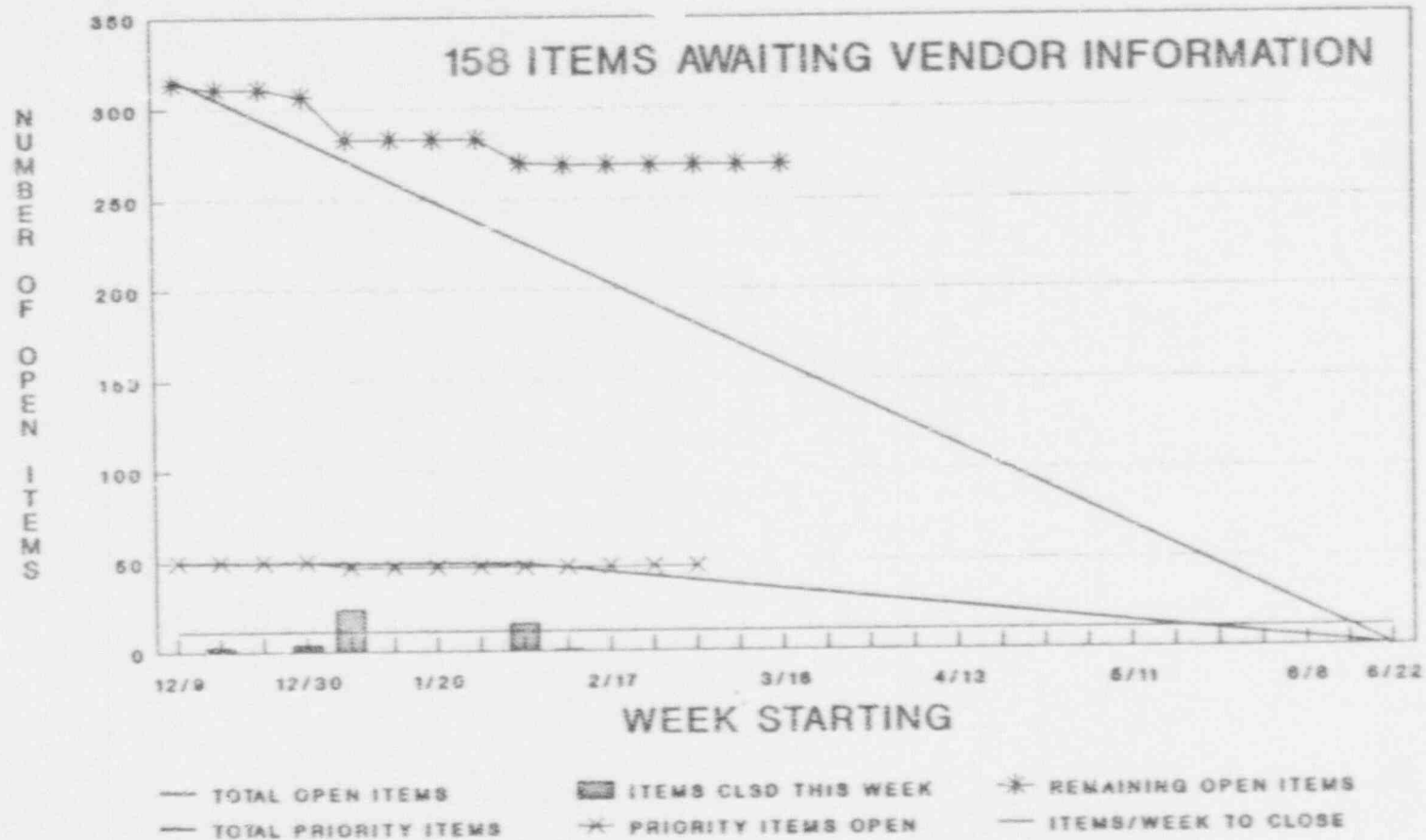
* Cross reference to DSER open items as appropriate will evolve as GE information is developed, submitted, and approved.

** WITH EXCEPTION OF (4) AND (9) WHICH ARE IN PROCESS

- 1 - SUBMITTED
- 2 - RESOLVED, SUBMITTAL PENDING
- 3 - INPROCESS
- 4 - ITAAC/DAC

ADT OPEN ITEM STATUS

ABWR FSER (06/25/92)



DATA AS OF 03/18/92

GE FSER Support

	Scheduled	Actual
Group A		
Inservice Inspection	06-Jan-92	06-Jan-92
ITAAC Phase 1 - Pilot Re-submittal	17-Jan-92	17-Jan-92
Main Steamline Seismic Classification	22-Jan-92	27-Jan-92
Chapter 15 LOCA Reanalysis	31-Jan-92	01-Feb-92
Leak Before Break	31-Jan-92	03-Feb-92
Piping and Instrumentation Diagram	31-Jan-92	03-Feb-92
Process Flow Diagram Update	31-Jan-92	03-Feb-92
Evaluation of Potential Modifications SAMDA	31-Jan-92	25-Feb-92
Group B		
Response to SECY-91-294 (Chapter 7)	04-Feb-92	03-Feb-92
Fixed Display Information	16-Feb-92	13-Feb-92
Control Room/I&C Design and Implementation Process	16-Feb-92	17-Feb-92
ABWR Design Differences	20-Feb-92	20-Feb-92
Radwaste Building Seismic Analysis	20-Feb-92	03-Mar-92
Response to SECY-91-320 (Chapter 18)	28-Feb-92	18-Feb-92
Level of Detail Piping System (FW)	28-Feb-92	24-Feb-92
Level of Detail Piping System (MSL)	28-Feb-92	12-Mar-92
Group C		
Response to SECY-91-355 (Ch1,2,3,5,6,8,9,10,12,13,14 & 15)	05-Mar-92	11-Mar-92
ITAAC - Phase 2	31-Mar-92	
Fire PRA Update	* 01-Apr-92	
Technical Specifications for ABWR Unique I&C Systems	** 10-Apr-92	
Uncertainty Analysis, Back End	* 15-Apr-92	
Bypass Leakage	** 15-Apr-92	
Intersystem LOCA	*** 30-Apr-92	
Group D		
ITAAC - Phase 3 (ITAAC Completed)	31-May-92	
Uncertainty Analysis, Front End	* 30-Jun-92	
Shutdown Risk	* 30-Jun-92	
P&A as a Design Tool	* 30-Jun-92	
Human Factors Analysis	* 30-Jun-92	
Response to SECY-91-309 (Chapter 19)	* 30-Jun-92	
Flood PRA	* 30-Jun-92	
Emergency Planning	* 30-Jun-92	
Reassessment of Proprietary Information	*** 30-Jun-92	
Final SSAR	30-Nov-92	

* Scheduled dates established since GE/NRC January 28-29, 1992 meeting

** Re-scheduled

*** New Item

