



52-001

GE Nuclear Energy

ABWR

Date 5 June 92

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To GLENN KELLY 1064
NRC

This page plus 2 page(s)

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Subject CORRECTIONS TO JUN 1
HUMAN FACTORS FAX

Message See the following 2 pages

020035
9207060143 920605
PDR ADDCK 05200001
A PDR

D050
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Table 2 - Human Actions Below the Top 300 Cutsets (2.0% of CDF)

NAME	DESCRIPTION	ASSIGNED PROB.	E.F.	IMPORTANCE	
				F.V. (%)	R.A.W.
CALN002A	Miscal. of flow xmtrs FT008A,B & C	5E-5	10	0.14	28.2
RHRCFER	Oper. fails to manually initiate (Backup for RHR core flood A/B/C)	0.10	5	0.06	1.01
HCMAER1	Valve E22-P005C mispositioned (NOFC)	0.01	5	0.05	1.05
ROERROR3	Oper. fails to manually open valve	0.01	5	0.04	1.00
ADSMAN	Failure of ADS manual init. (backup)	2E-3	5	0.01	1.06
ROOIOPHL	Oper. fails to initiate within 30 min. (Backup for RCIC)	0.10	5	<.01	1.00
NHR	Failure to restore normal heat removal	0.01	15	<.01	1.00
RWCU	Failure to actuate RWCU	0.10	5	<.01	1.00
RSTTCOPF	Operator fails to reset trip circuit (RCIC internal trips)	0.01	5	<.01	1.00
SLC000SA	Boron concentration sampling failure	2E-5	10	<.01	1.07
SLC001HE	Operator fails to initiate SLC	0.01 0.10	10	<.01	1.00 ✓
SLC002HE	Operator fails to initiate SLC tank heater	2E-3	5	<.01	1.00
WOPERR	Oper. fails to perform indicated action (Backup to RBCW initiation)	0.01	5	*	*
HUEROR5	Oper. fails to transfer from CST to SP	0.01	5	*	*
VOPERRF	Operator fails to start pump	1E-3	5	*	*
ASECSNA	Operator fails to backup N2 initiation	0.10	5	*	*

* Below the cutset cutoff level (E-13)

Table 4 - Human Action Acronyms Deleted from the Model

<u>NAME</u>	<u>DESCRIPTION</u>
PA	Operator fails to inhibit ADS with an ATWS (ADS inhibit now automatic)
ROERROR7	Valve F059 inadvertently left open (Renamed ROERROR5)
HBMAER3	Manual valve F016B inadvertently left open (Renamed HBMAER2)
HCMAER3	Manual valve F016C inadvertently left open (Renamed HCMAER2)
HFL301CF	Miscalibration of flow transmitter (Renamed HFE008CF)
HOOCOPHL	Operator fails to attempt manual initiation within 30 min. (Renamed HOOBOPHL)
HPR305CF	Miscalibration of pressure transmitter (Renamed HPR007CF)
→ C001AMOP	Failure to manually initiate ^{after} within 30 min. (Renamed RHR ^{SP} CF ER) ←
AOPINHB	Operator improperly inhibits ADS (HEP deleted - error of commission)
AHPT303B	Miscalibration of pressure transmitters (Renamed AHPT006)