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FAX TRANSMITTAL

Date: 1/13/00

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Number of pages INCLUDING Cover page 9

NOTE/MESSAGE:

FIRE ET, FT, CUT SETS

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P.O. Box 1625, Idaho Falls, ID 83415-3860
For OVERNIGHT: 2525 N. Fremont Ave., Idaho Falls, ID 83415-3860

P. 1/9

5555555555555555 11:58AM 00, ET NJ

FIRE EVENT IN THE AUX BLDG/ REACTOR BLDG	CONTROL ROOM ALARMS (FIRE)	OTHER INDICATIONS OF LSFPC DUE TO FIRE	SFPC SYSTEM SURVIVE	OPERATOR RECOVERY USING DIESEL FIRE PUMPS	RECOVERY USING OFFSITE SOURCES					
IE-FIR	CRA	IND	OSP	OMK	OFD	#	SEQUENCE-NAMES	END-STATE-NAMES	FREQUENCY	
<pre>graph LR IE_FIR[IE-FIR] --- J1(()) J1 --- FIR_OSP[FIR-OSP] J1 --- FIR_CRA[FIR-CRA] FIR_OSP --- J2(()) J2 --- FIR_OMK1[FIR-OMK] J2 --- FIR_OFD1[FIR-OFD] FIR_CRA --- J3(()) J3 --- FIR_OMK2[FIR-OMK] J3 --- FIR_IND[FIR-IND] FIR_OMK2 --- FIR_OFD2[FIR-OFD]</pre>							1	IE-FIR	OK	
							2	IE-FIROSP	OK	
							3	IE-FIROSPOMK	OK	
							4	IE-FIROSPOMKOFD	SFP3FT	2.213E-008
							5	IE-FIRCRA	OK	
							6	IE-FIRCRAOMK	OK	
							7	IE-FIRCRAOMKOFD	SFP3FT	6.481E-010
							8	IE-FIRCRAIND	SFP3FT	2.190E-010

SEQUENCE CUT SETS (QUANTIFICATION) REPORT

Family : NRC-SFP Sequence : 4
 Analysis : RANDOM Event Tree : IE-FIR
 Case : CURRENT Init. Event : IE-FIR
 Mincut Upper Bound : 2.213E-008

Cut No.	% Total	% Cut Set	Prob/ Freq.	CURRENT CUT SETS
1	67.8	67.8	1.5E-008	HEP-RECG-FWSTART, HEP-RES-FIRE
2	98.3	30.5	6.8E-009	FP-DGPUMP-FTF, HEP-FW-REP-NODEP, HEP-INV-OFFSITE, HEP-RES-FIRE
3	100.0	1.7	3.8E-010	HEP-FW-START, HEP-INV-OFFSITE, HEP-RES-FIRE

SEQUENCE CUT SETS (QUANTIFICATION) REPORT

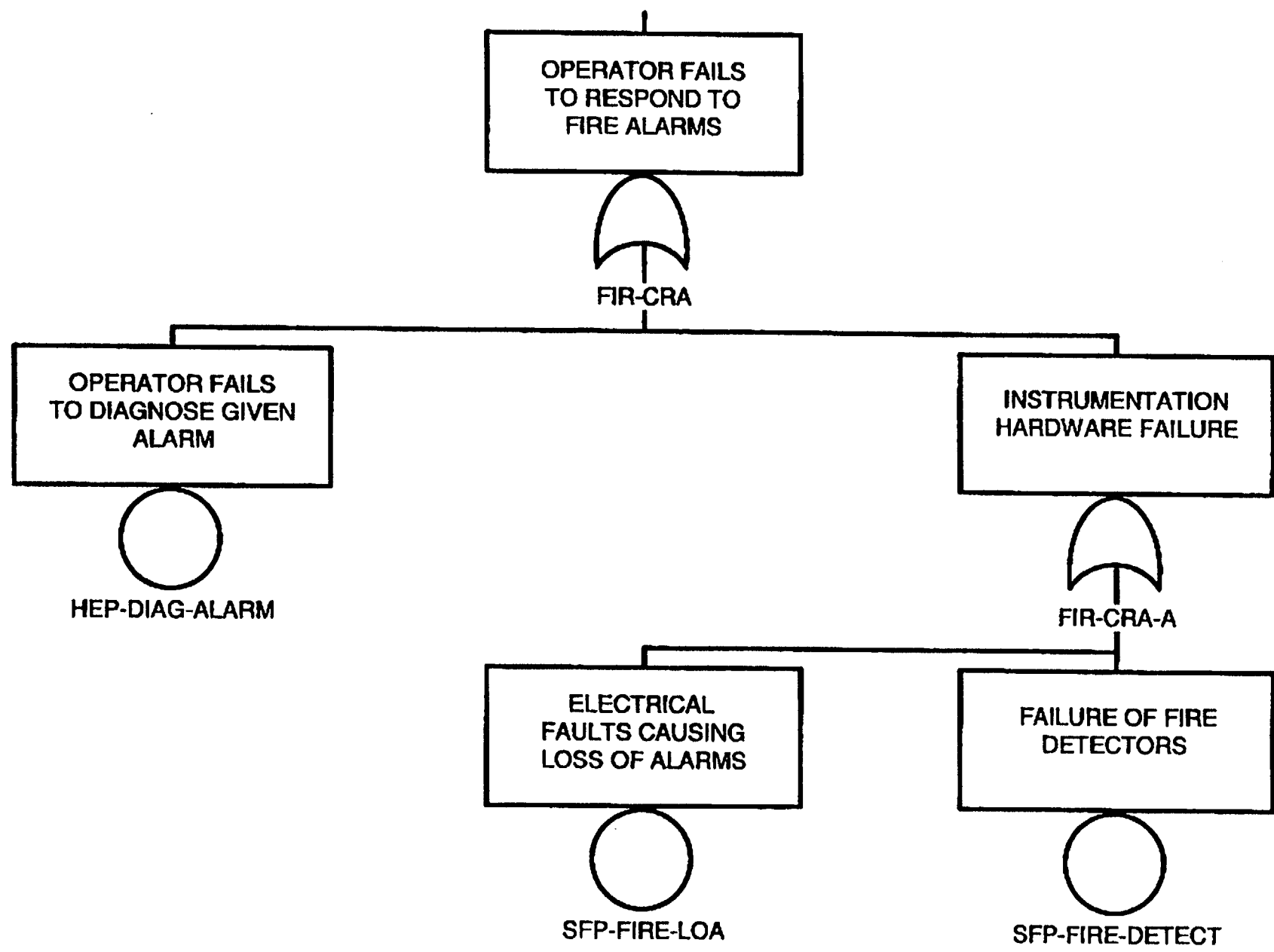
Family : NRC-SFP Sequence : 7
 Analysis : RANDOM Event Tree : IE-FIR
 Case : CURRENT Init. Event : IE-FIR
 Mincut Upper Bound : 6.461E-010

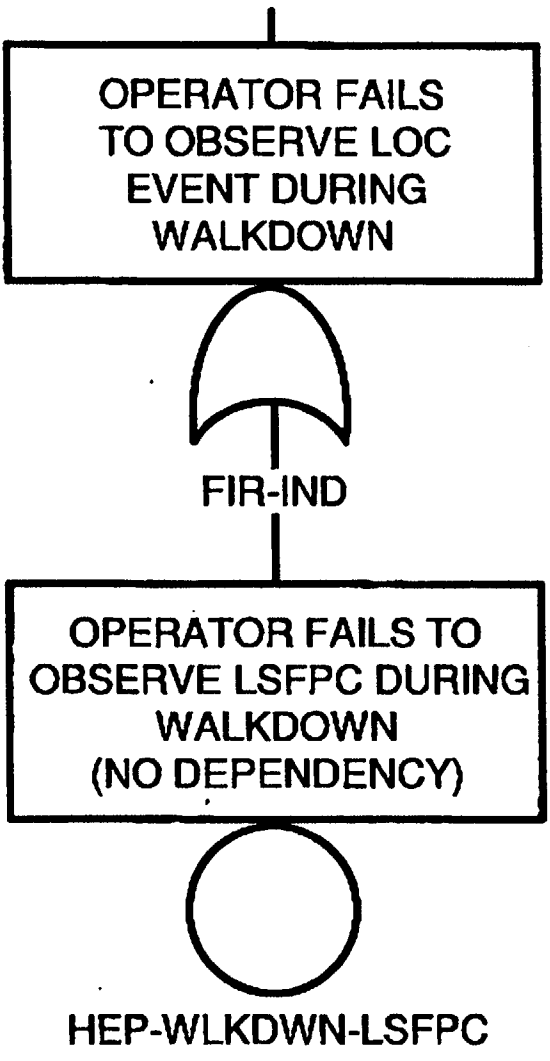
Cut No.	% Total	% Cut Set	Prob/ Freq.	CURRENT CUT SETS
1	46.4	46.4	3.0E-010	HEP-RECG-FWSTART, SFP-FIRE-DETECT
2	67.3	20.9	1.4E-010	FP-DGPUMP-FTF, HEP-FW-REP-NODEP, HEP-INV-OFFSITE, SFP-FIRE-DETECT
3	85.9	18.6	1.2E-010	HEP-RECG-FWSTART, SFP-FIRE-LOA
4	94.3	8.4	5.4E-011	FP-DGPUMP-FTF, HEP-FW-REP-NODEP, HEP-INV-OFFSITE, SFP-FIRE-LOA
5	97.0	2.8	1.8E-011	HEP-DIAG-ALARM, HEP-RECG-FWSTART
6	98.3	1.3	8.1E-012	FP-DGPUMP-FTF, HEP-DIAG-ALARM, HEP-FW-REP-NODEP, HEP-INV-OFFSITE
7	99.5	1.2	7.5E-012	HEP-FW-START, HEP-INV-OFFSITE, SFP-FIRE-DETECT
8	99.9	0.5	3.0E-012	HEP-FW-START, HEP-INV-OFFSITE, SFP-FIRE-LOA
9	100.0	0.1	4.5E-013	HEP-DIAG-ALARM, HEP-FW-START, HEP-INV-OFFSITE

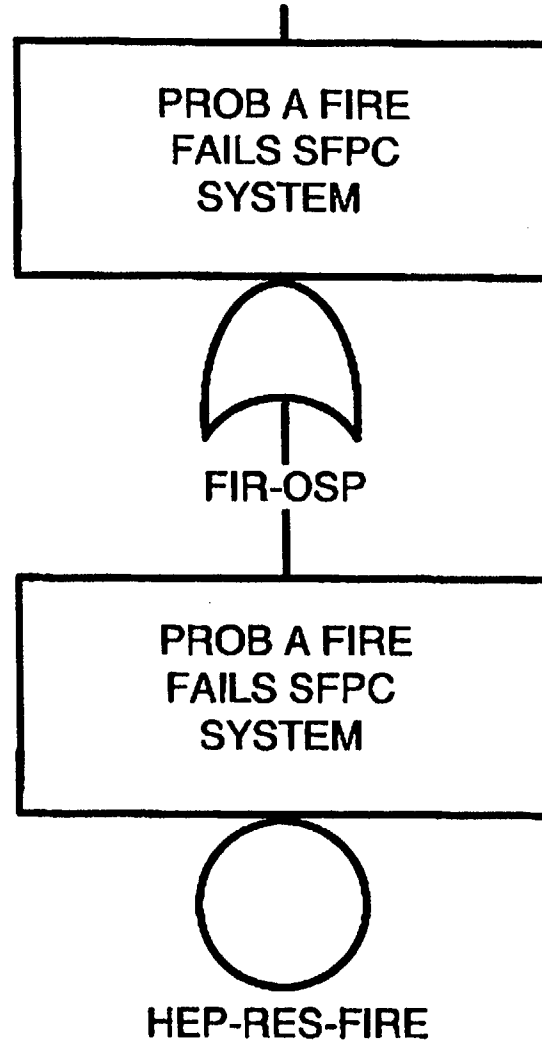
SEQUENCE CUT SETS (QUANTIFICATION) REPORT

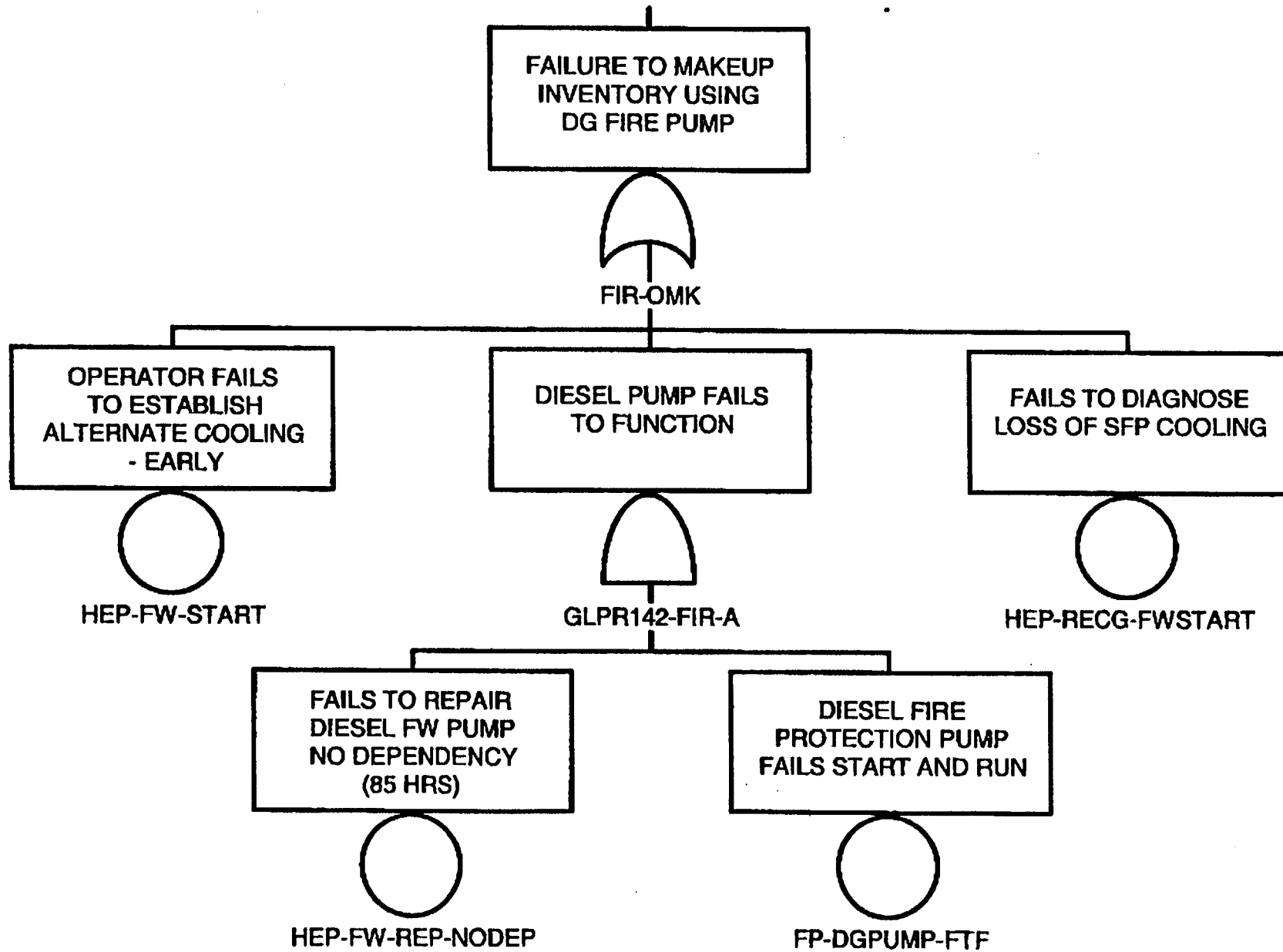
Family : NRC-SFP Sequence : 8
 Analysis : RANDOM Event Tree : IE-FIR
 Case : CURRENT Init. Event : IE-FIR
 Mincut Upper Bound : 2.190E-010

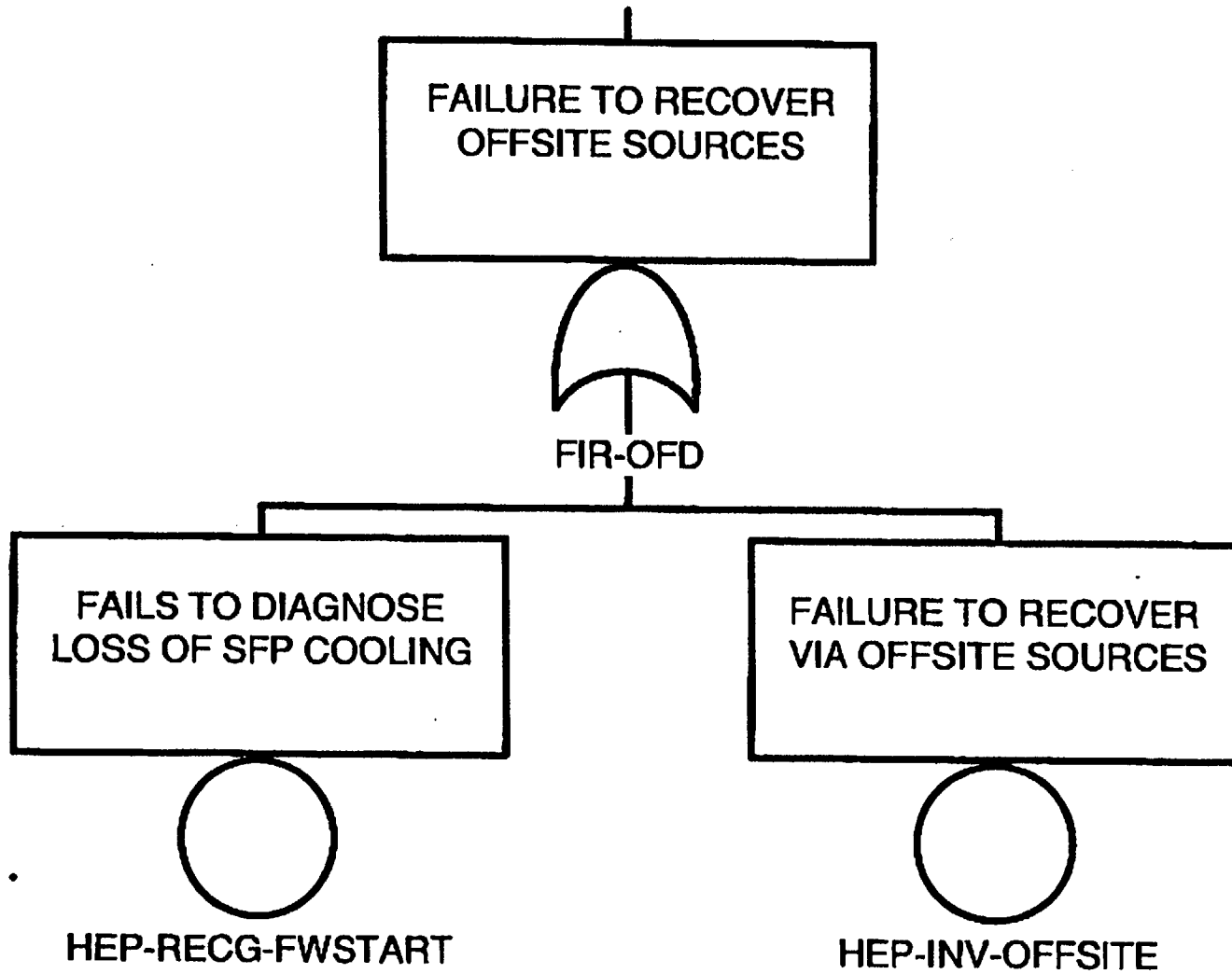
Cut No.	% Total	% Cut Set	Prob/ Freq.	CURRENT CUT SETS
1	68.5	68.5	1.5E-010	HEP-WLKDOWN-LSFPC, SFP-FIRE-DETECT
2	95.9	27.4	6.0E-011	HEP-WLKDOWN-LSFPC, SFP-FIRE-LOA
3	100.0	4.1	9.0E-012	HEP-DIAG-ALARM, HEP-WLKDOWN-LSFPC











BASIC EVENTS PROBABILITY REPORT

Family: NRC-SFP

Case: CURRENT

Event Number	Primary Name	Calc Type	Mean Probability	Lamda	Tau
1	FP-DGPUMP-FTF	1	1.800E-001	+0.000E+000	+0.000E+000
2	HEP-DIAG-ALARM	1	3.000E-004	+0.000E+000	+0.000E+000
3	HEP-FW-REP-NODEP	1	1.000E-003	+0.000E+000	+0.000E+000
4	HEP-FW-START	1	1.000E-005	+0.000E+000	+0.000E+000
5	HEP-INV-OFFSITE	1	5.000E-002	+0.000E+000	+0.000E+000
6	HEP-RECG-FWSTART	1	2.000E-005	+0.000E+000	+0.000E+000
7	HEP-RES-FIRE	1	2.500E-001	+0.000E+000	+0.000E+000
8	HEP-WLKDOWN-LSFPC	1	1.000E-005	+0.000E+000	+0.000E+000
9	IE-FIR	1	3.000E-003	+0.000E+000	+0.000E+000
10	SFP-FIRE-DETECT	1	5.000E-003	+0.000E+000	+0.000E+000
11	SFP-FIRE-LOA	1	2.000E-003	+0.000E+000	+0.000E+000

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