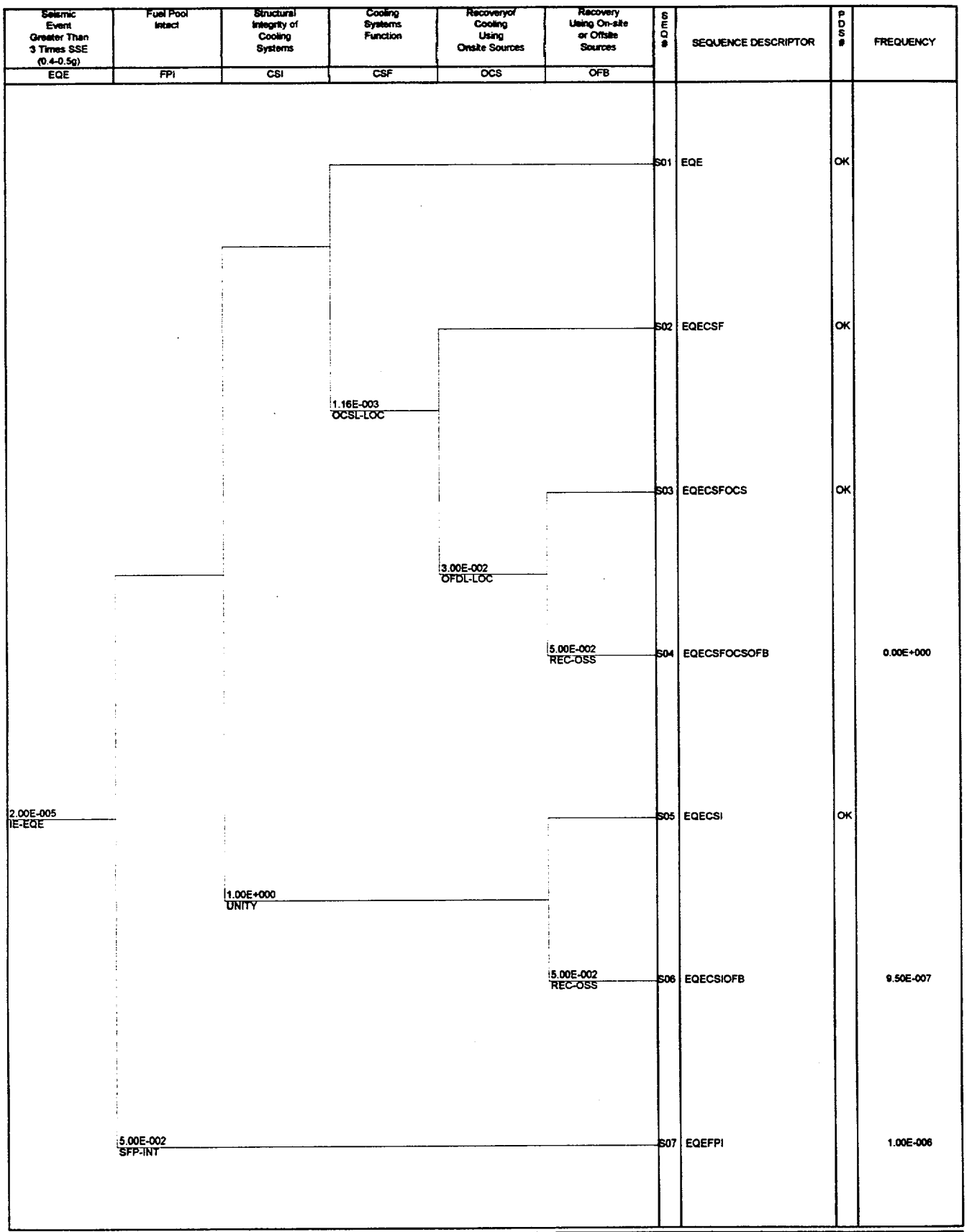


C:\WinNUPRA\sfp-1\Eqe.evt 11:08:56 06/04/99 WIN-NUPRA 1.0
Quantification Date: 05/28/99 05:06:07 TOTAL CMF = 1.95E-006

SFP RISK AT DECOMMISSIONED PLANTS

SEISMIC INITIATING EVENT

CASE 1

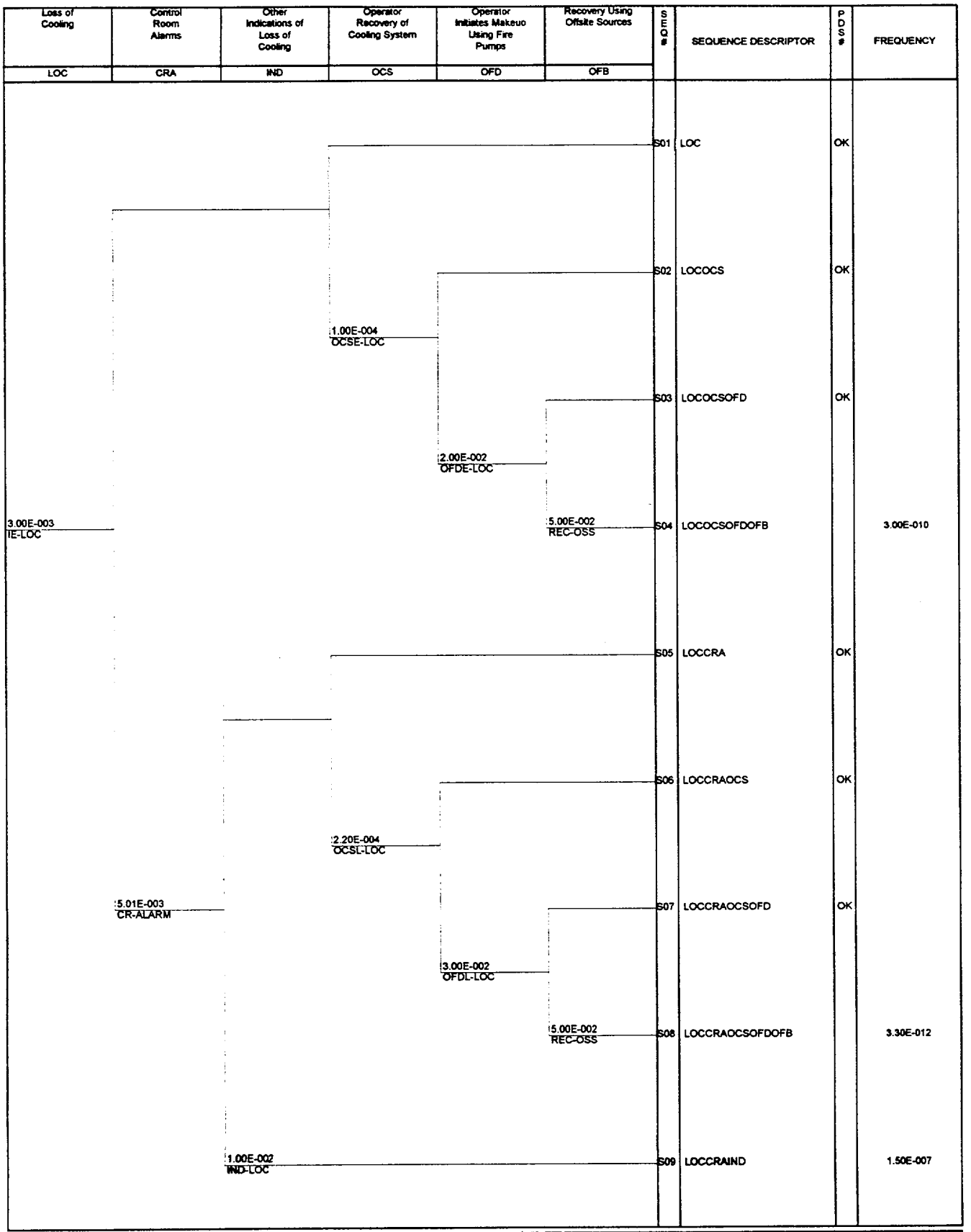
Fire Event in the Aux Bldg/ Reactor Bldg	Fire Suppression or No Effect on SFP Function	Operator Recovery Using Diesel Fire Pumps	Recovery Using Offsite Sources	SEQ #	SEQUENCE DESCRIPTOR	PDS #	FREQUENCY
FIR	OSP	OMK	OFD				
				S01	FIR	OK	
8.90E-003 IE-FIR							
				S02	FIROSP	OK	
	5.00E-002 OSP-FIR						
				S03	FIROSPOMK	OK	
		1.90E-001 OMK-DGFP					
			5.00E-002 REC-OSS	S04	FIROSPOMKOFD		4.23E-006

C:\WinNUPRA\sfp-1\Fir.evt 11:08:54 06/04/99 WIN-NUPRA 1.0
Quantification Date: 05/28/99 05:18:59 TOTAL CMF = 4.23E-006

SFP RISK AT DECOMMISSIONED PLANTS

INTERNAL FIRE INITIATING EVENT

CASE 1

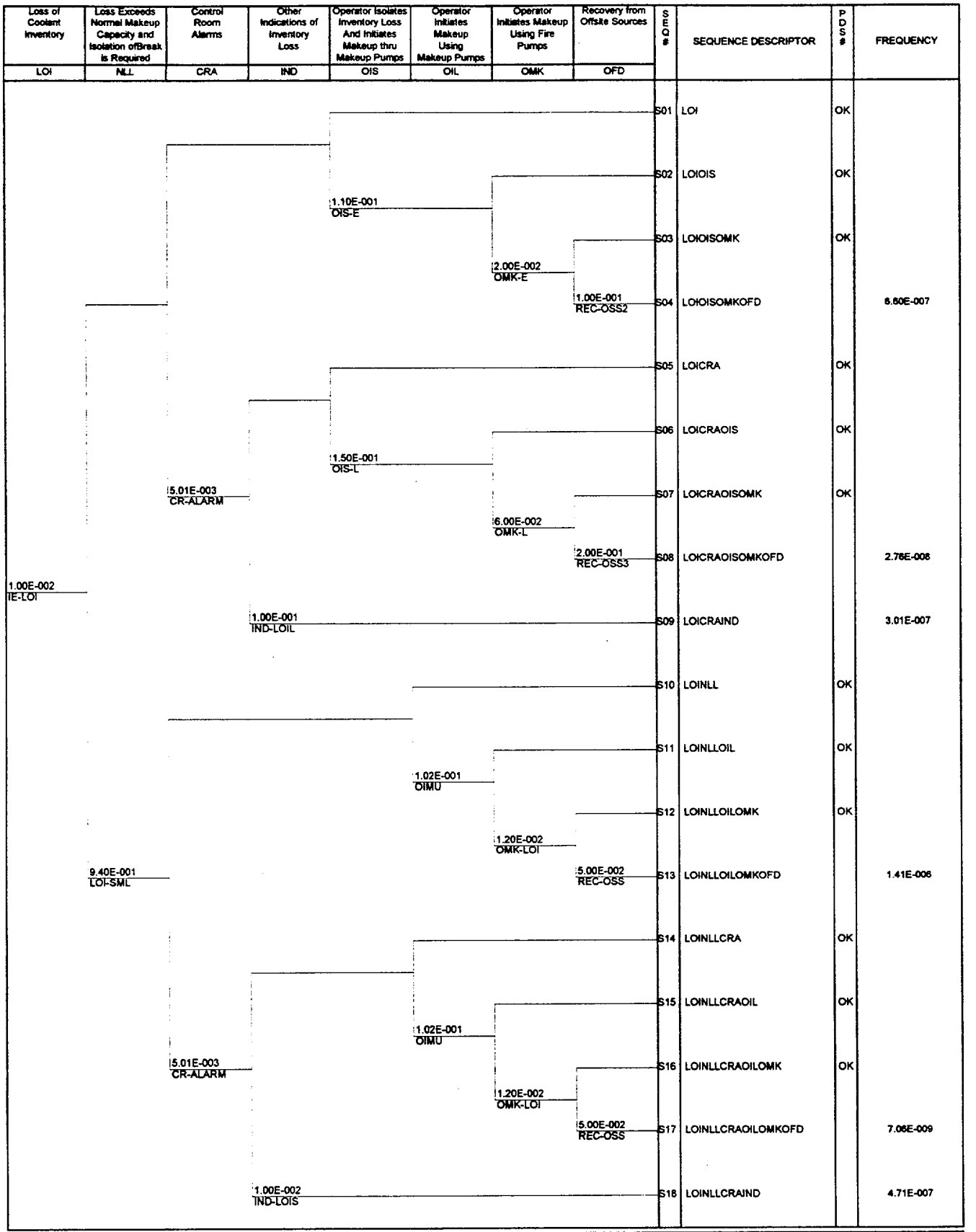


C:\WinNUPRA\sfp-1\Loc.evt 11:08:54 06/04/99 WIN-NUPRA 1.0
Quantification Date: 05/28/99 05:35:13 TOTAL CMF = 1.50E-007

SFP RISK AT DECOMMISSIONED PLANTS

LOSS OF COOLING

CASE 1

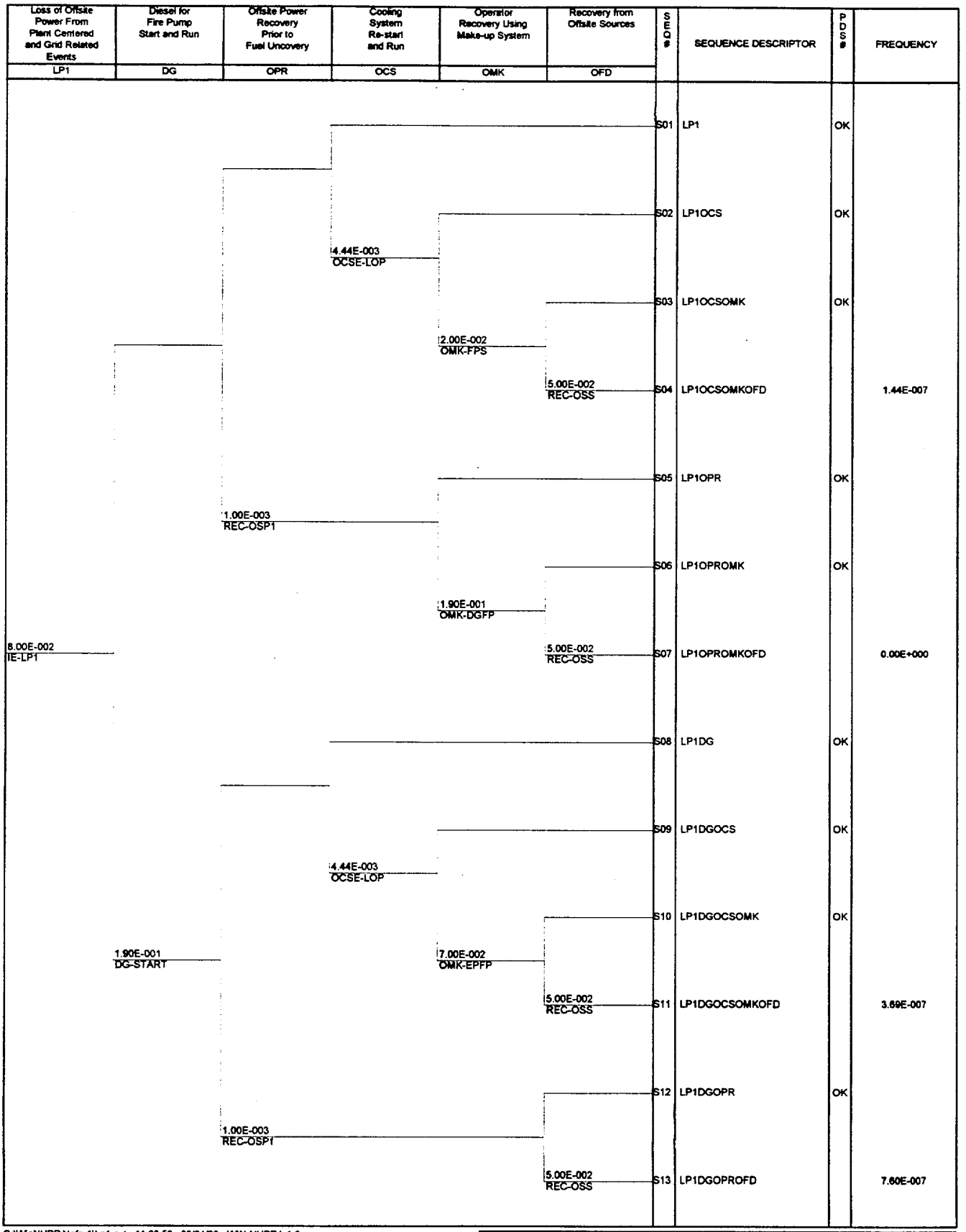


C:\WinNUPRA\sfp-1\Loi.evt 11:08:55 06/04/99 WIN-NUPRA 1.0
Quantification Date: 05/28/99 05:47:31 TOTAL CMF = 2.88E-006

SFP RISK AT DECOMMISSIONED PLANTS

LOSS OF COOLANT INVENTORY

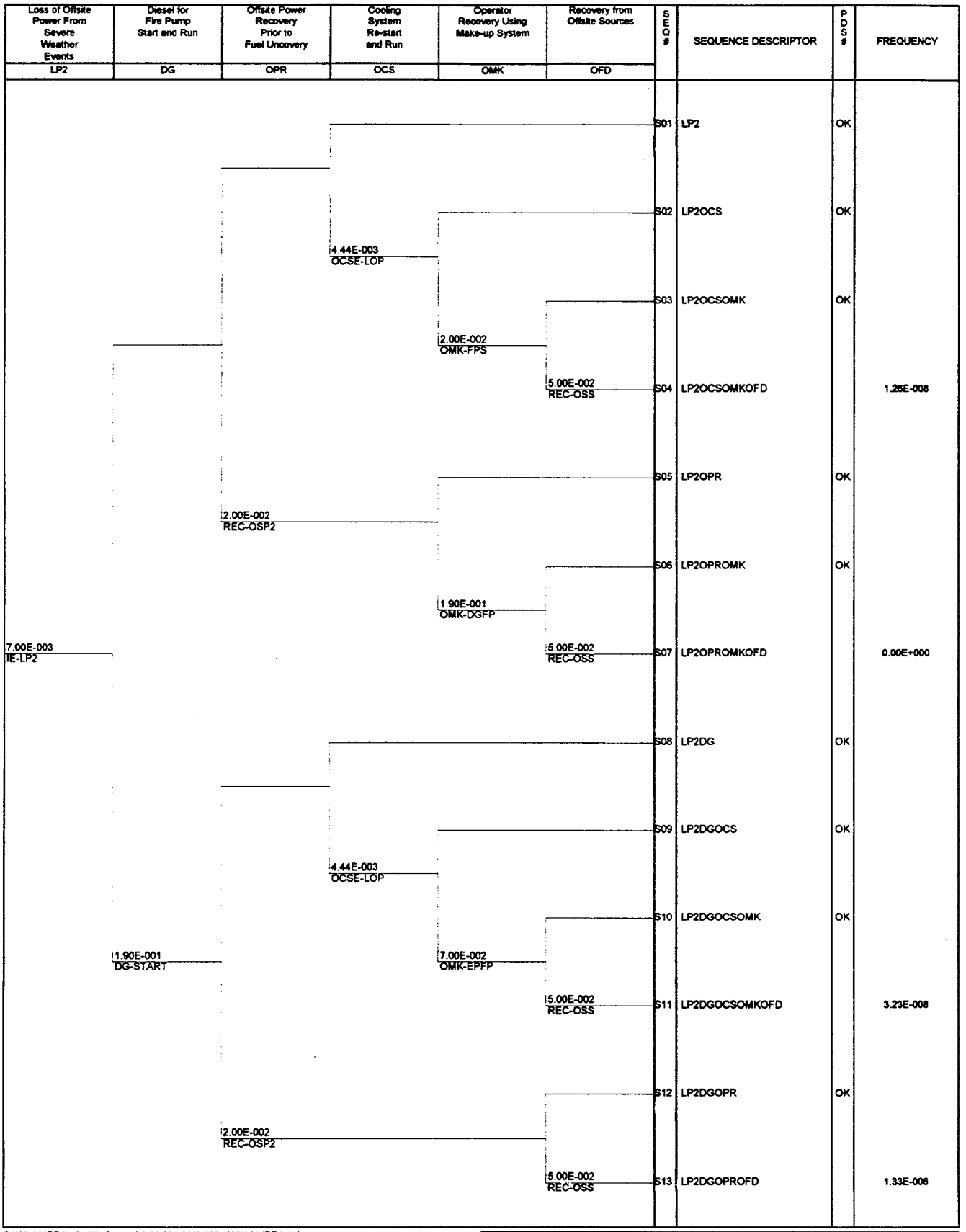
CASE 1



C:\WinNUPRA\sfp-1\Lp1.evt 11:08:56 06/04/99 WIN-NUPRA 1.0
Quantification Date: 05/28/99 07:15:14 TOTAL CMF = 1.27E-006

SFP RISK AT DECOMMISSIONED PLANTS

LOSS OF OFFSITE POWER
FROM PLANT CENTERED EVENTS
CASE 1



C:\WinNUPRA\sfp-1\Lp2.evt 11:08:53 06/04/99 WIN-NUPRA 1.0
Quantification Date: 05/28/99 07:16:18 TOTAL CMF = 1.37E-006

SFP RISK AT DECOMMISSIONED PLANTS

LOSS OF OFFSITE POWER
FROM SEVERE WEATHER EVENTS
CASE 1

Seismic Event Greater Than 3 Times SSE (0.4-0.5g)	Fuel Pool Intact	Structural Integrity of Cooling Systems	Cooling Systems Function	Recoveryof Cooling Using Onsite Sources	Recovery Using On-site or Offsite Sources	SEQ #	SEQUENCE DESCRIPTOR	PDS #	FREQUENCY
EQE	FPI	CSI	CSF	OCS	OFB				
						S01	EQE	OK	
						S02	EQECSF	OK	
			4.00E-002 OCSL-LOC						
						S03	EQECSFOCS	OK	
				1.70E-001 OFDL-LOC					
					5.00E-002 REC-OSS	S04	EQECSFOCSOFB		0.00E+000
2.00E-005 IE-EQE						S05	EQECSI	OK	
		1.00E+000 UNITY							
					5.00E-002 REC-OSS	S06	EQECSIOFB		9.50E-007
	5.00E-002 SFP-INT					S07	EQEFPI		1.00E-006

C:\WinNUPRA\SFP-2\Eqe.evt 11:18:36 06/04/99 WIN-NUPRA 1.0
Quantification Date: 05/28/99 06:14:31 TOTAL CMF = 1.95E-006

SFP RISK AT DECOMMISSIONED PLANTS

SEISMIC INITIATING EVENT

CASE 2

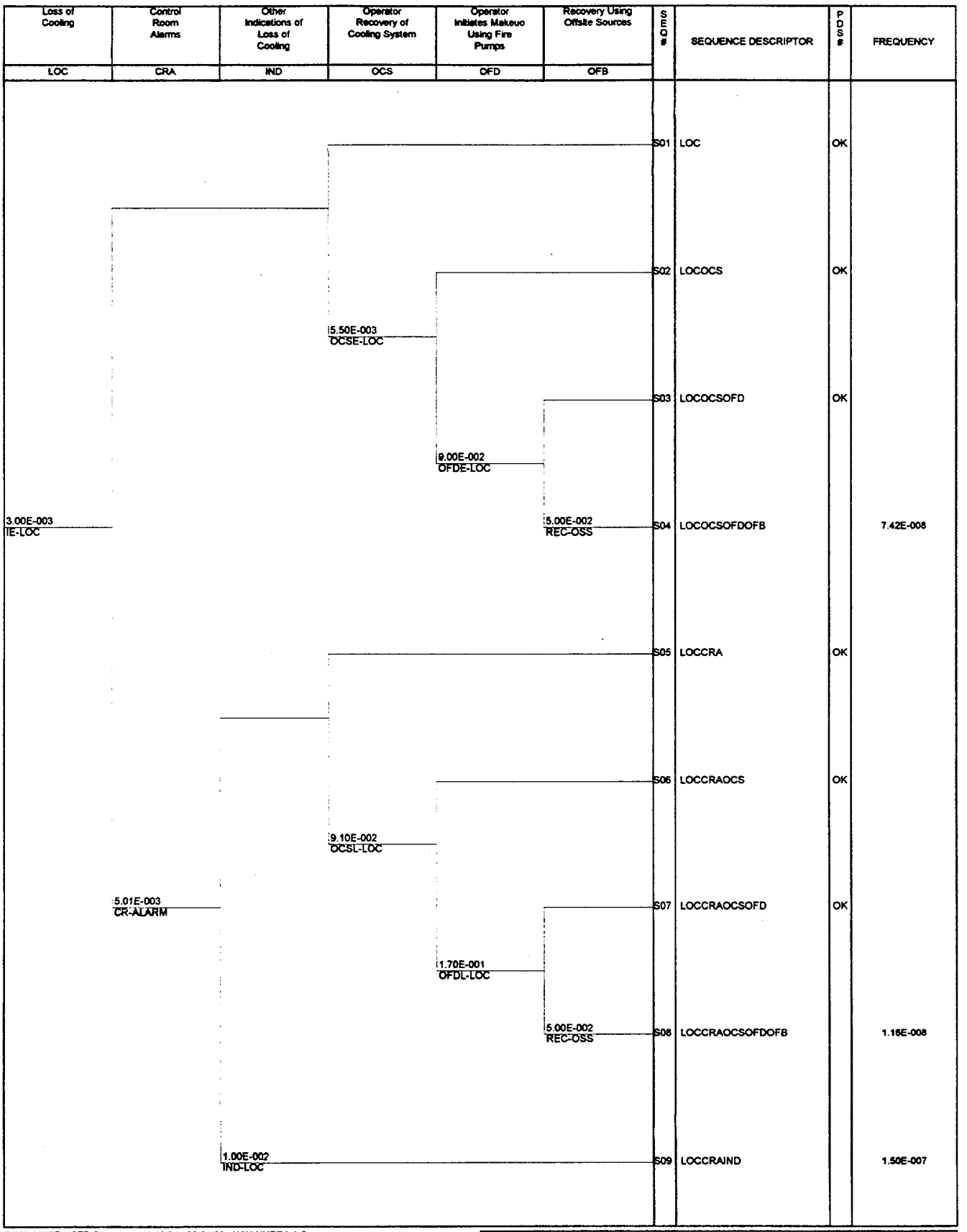
Fire Event in the Aux Bldg/ Reactor Bldg	Fire Suppression or No Effect on SFP Function	Operator Recovery Using Diesel Fire Pumps	Recovery Using Offsite Sources	SEQ #	SEQUENCE DESCRIPTOR	PDS #	FREQUENCY
FIR	OSP	OMK	OFD				
				S01	FIR	OK	
4.00E-002 IE-FIR							
				S02	FIROSP	OK	
	1.00E-002 OSP-FIR						
				S03	FIROSPOMK	OK	
		2.60E-001 OMK-DGFP					
			5.00E-002 REC-OSS	S04	FIROSPOMKOFD		5.20E-006

C:\WinNUPRA\SFP-2\Fir.evt 11:18:34 06/04/99 WIN-NUPRA 1.0
Quantification Date: 05/28/99 06:29:20 TOTAL CMF = 5.20E-006

SFP RISK AT DECOMMISSIONED PLANTS

INTERNAL FIRE INITIATING EVENT

CASE 2

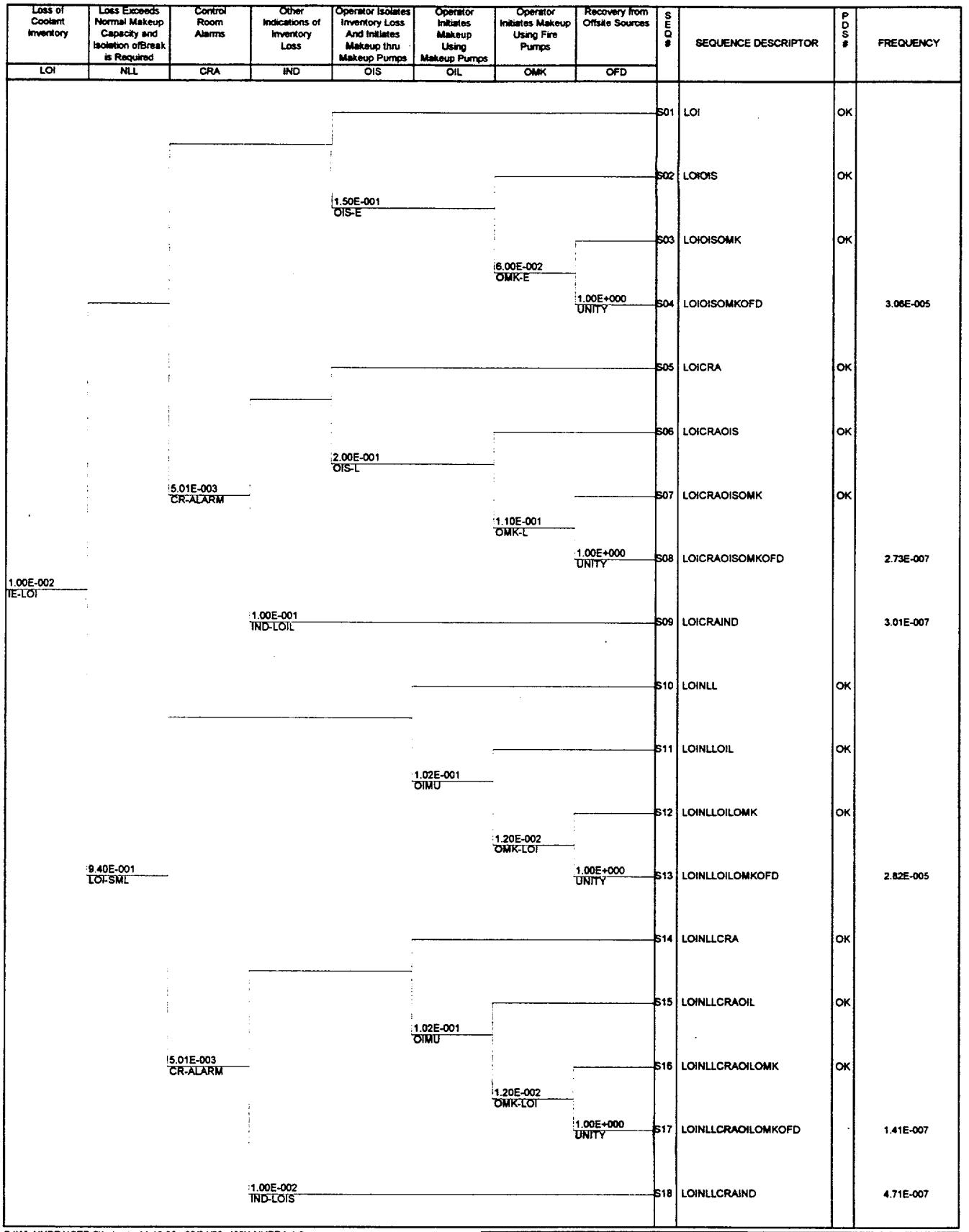


C:\WinNUPRA\SFP-2\Loc.evt 11:18:34 06/04/99 WIN-NUPRA 1.0
Quantification Date: 05/28/99 06:39:38 TOTAL CMF = 2.36E-007

SFP RISK AT DECOMMISSIONED PLANTS

LOSS OF COOLING

CASE 2

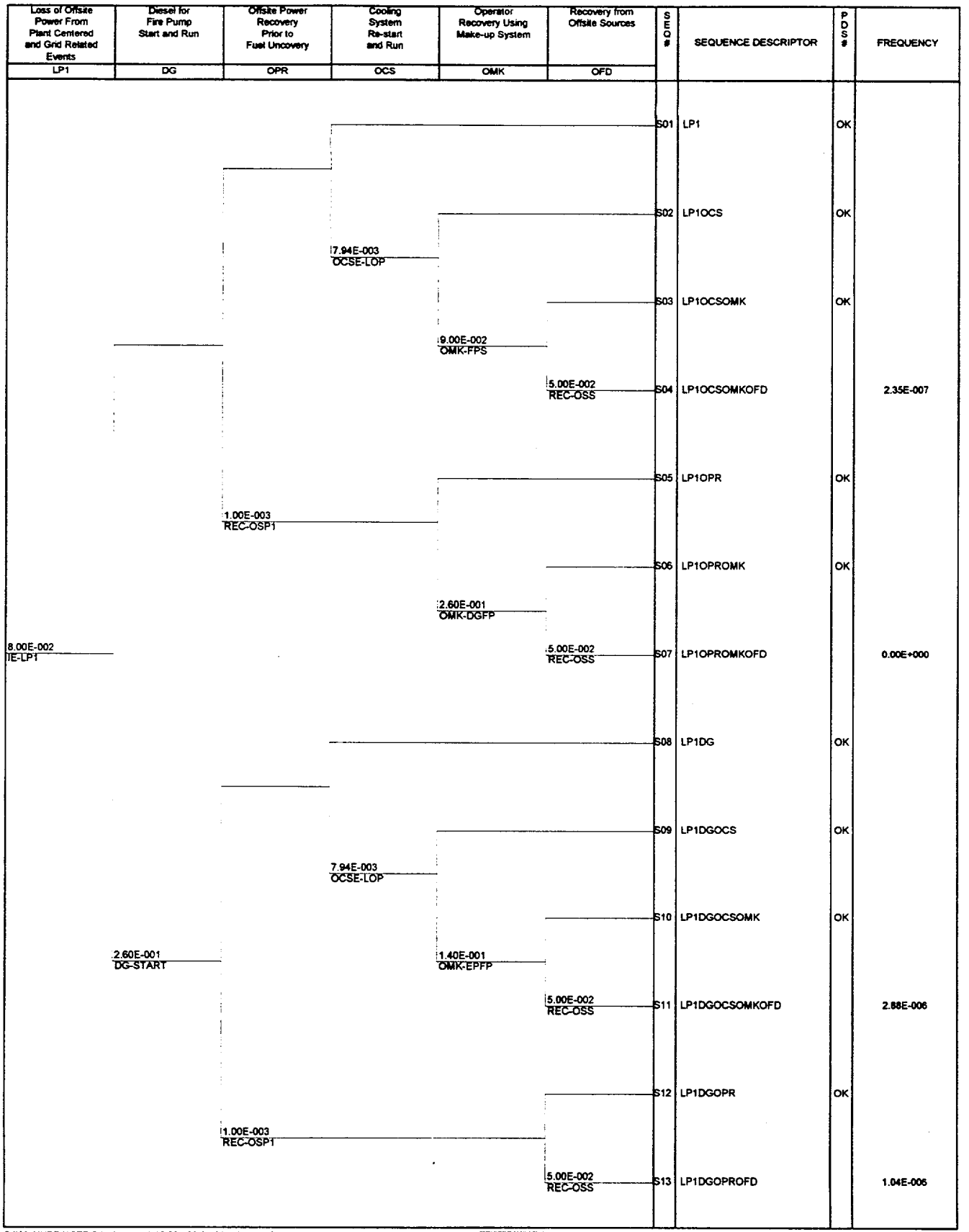


C:\WinNUPRA\SFP-2\Loi.evt 11:18:35 06/04/99 WIN-NUPRA 1.0
Quantification Date: 05/28/99 06:49:36 TOTAL CMF = 6.00E-005

SFP RISK AT DECOMMISSIONED PLANTS

LOSS OF COOLANT INVENTORY

CASE 2



C:\WinNUPRA\SFP-2\Lp1.evt 11:18:36 06/04/99 WIN-NUPRA 1.0
Quantification Date: 05/28/99 07:33:04 TOTAL CMF = 4.18E-006

SFP RISK AT DECOMMISSIONED PLANTS

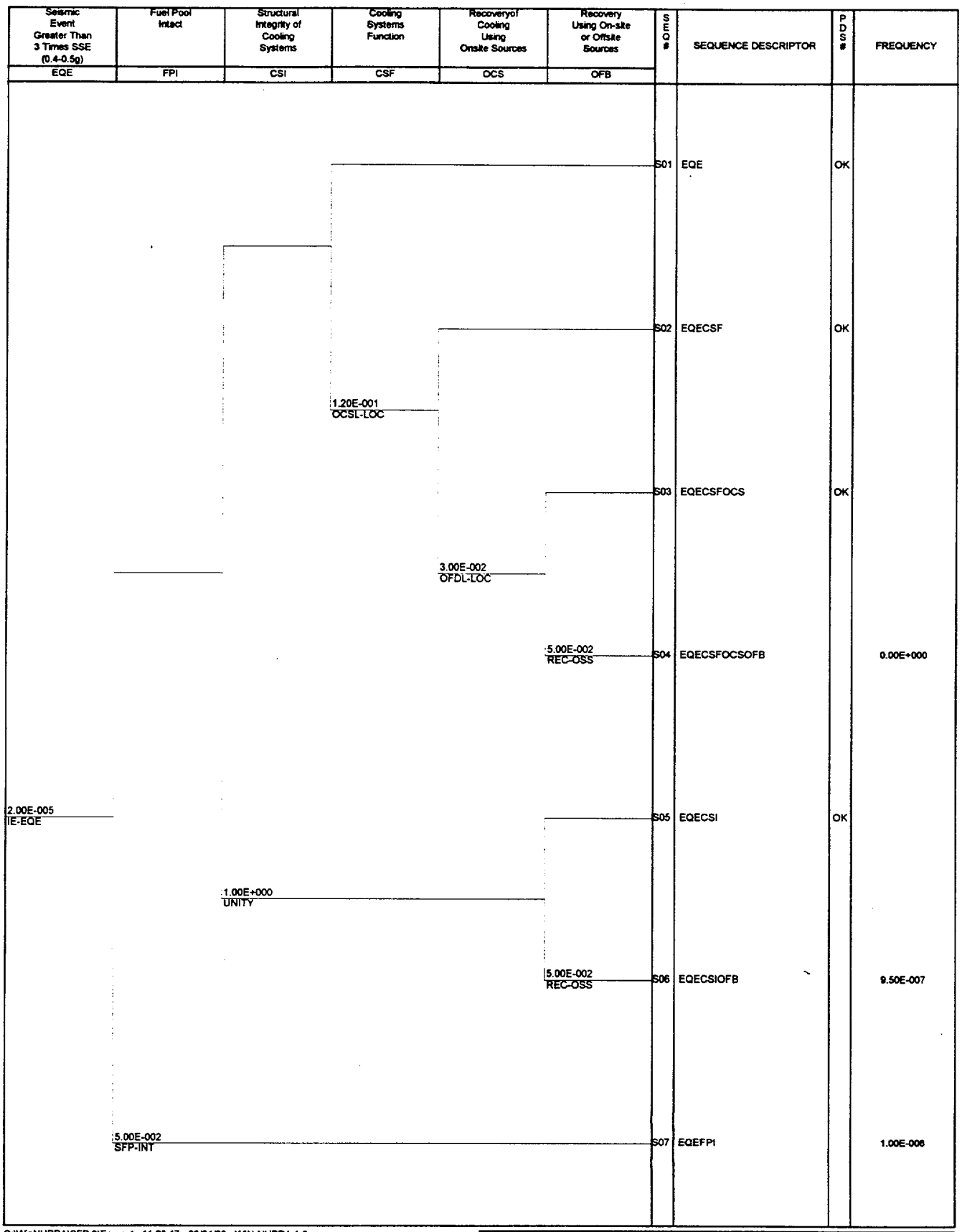
LOSS OF OFFSITE POWER
FROM PLANT CENTERED EVENTS
CASE 2

Loss of Offsite Power From Severe Weather Events	Diesel for Fire Pump Start and Run	Offsite Power Recovery Prior to Fuel Uncovery	Cooling System Re-start and Run	Operator Recovery Using Make-up System	Recovery from Offsite Sources	SDS #	SEQUENCE DESCRIPTOR	PDS #	FREQUENCY
LP2	DG	OPR	OCS	OMK	OFD				
						S01	LP2	OK	
						S02	LP2OCS	OK	
			7.94E-003 OCSE-LOP						
						S03	LP2OCSOMK	OK	
				9.00E-002 OMK-FPS					
					5.00E-002 REC-OSS	S04	LP2OCSOMKOFD		1.85E-008
						S05	LP2OPR	OK	
		1.00E-001 REC-OSP2							
						S06	LP2OPROMK	OK	
				2.60E-001 OMK-DGFP					
7.00E-003 IE-LP2					5.00E-002 REC-OSS	S07	LP2OPROMKOFD		0.00E+000
						S08	LP2DG	OK	
						S09	LP2DGOCS	OK	
			7.94E-003 OCSE-LOP						
						S10	LP2DGOCSOMK	OK	
	2.60E-001 DG-START			1.40E-001 OMK-EPFP					
					5.00E-002 REC-OSS	S11	LP2DGOCSOMKOFD		2.27E-007
						S12	LP2DGOPR	OK	
		1.00E-001 REC-OSP2							
					5.00E-002 REC-OSS	S13	LP2DGOPROFD		9.10E-006

C:\WinNUPRA\SFP-2\Lp2.evt 11:18:33 06/04/99 WIN-NUPRA 1.0
Quantification Date: 05/28/99 07:34:08 TOTAL CMF = 9.35E-006

SFP RISK AT DECOMMISSIONED PLANTS

LOSS OF OFFSITE POWER
FROM SEVERE WEATHER EVENTS
CASE 2

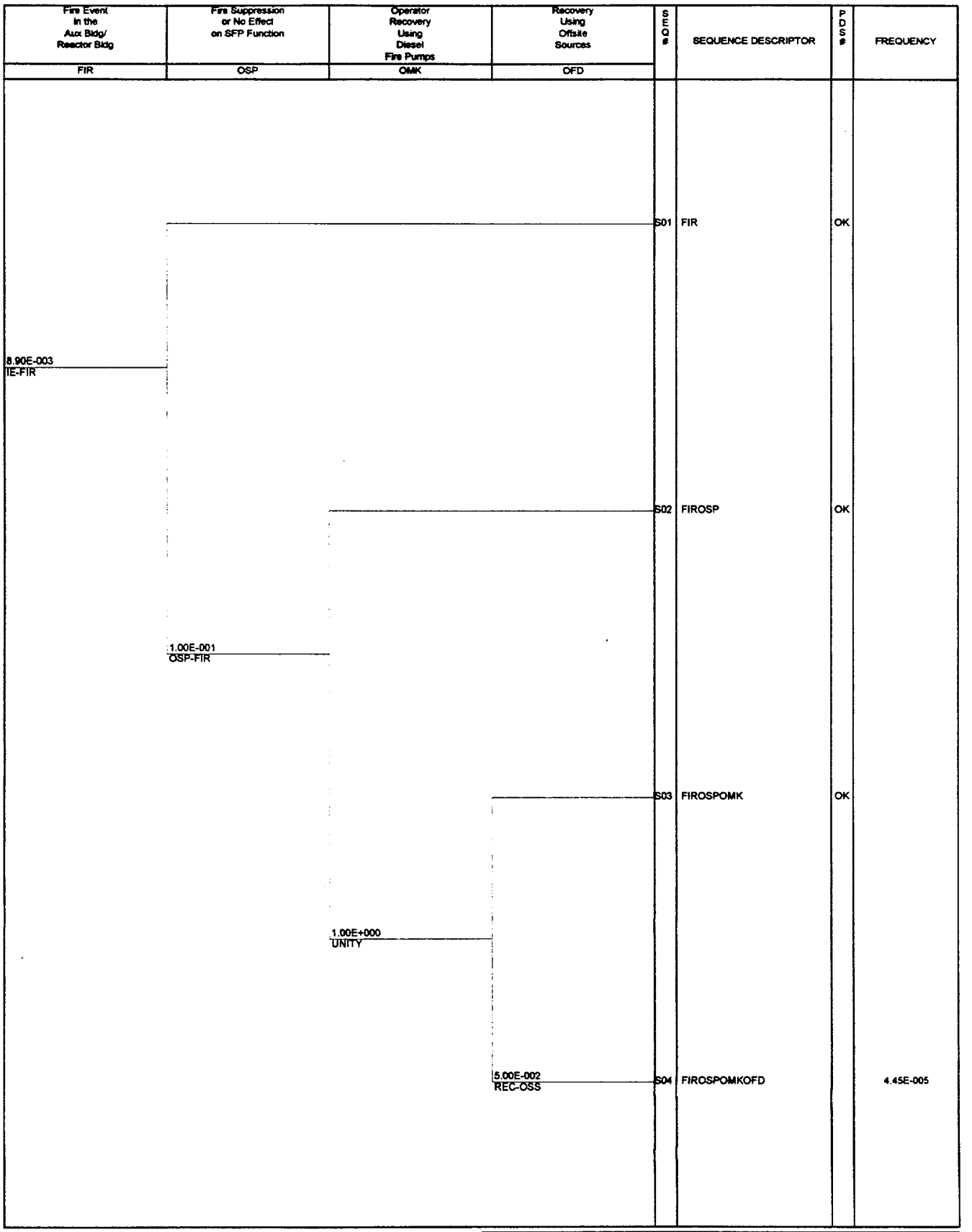


C:\WinNUPRA\SFP-3\Eqe.evt 11:23:17 06/04/99 WIN-NUPRA 1.0
Quantification Date: 05/28/99 07:59:56 TOTAL CMF = 1.95E-006

SFP RISK AT DECOMMISSIONED PLANTS

SEISMIC INITIATING EVENT

CASE 3

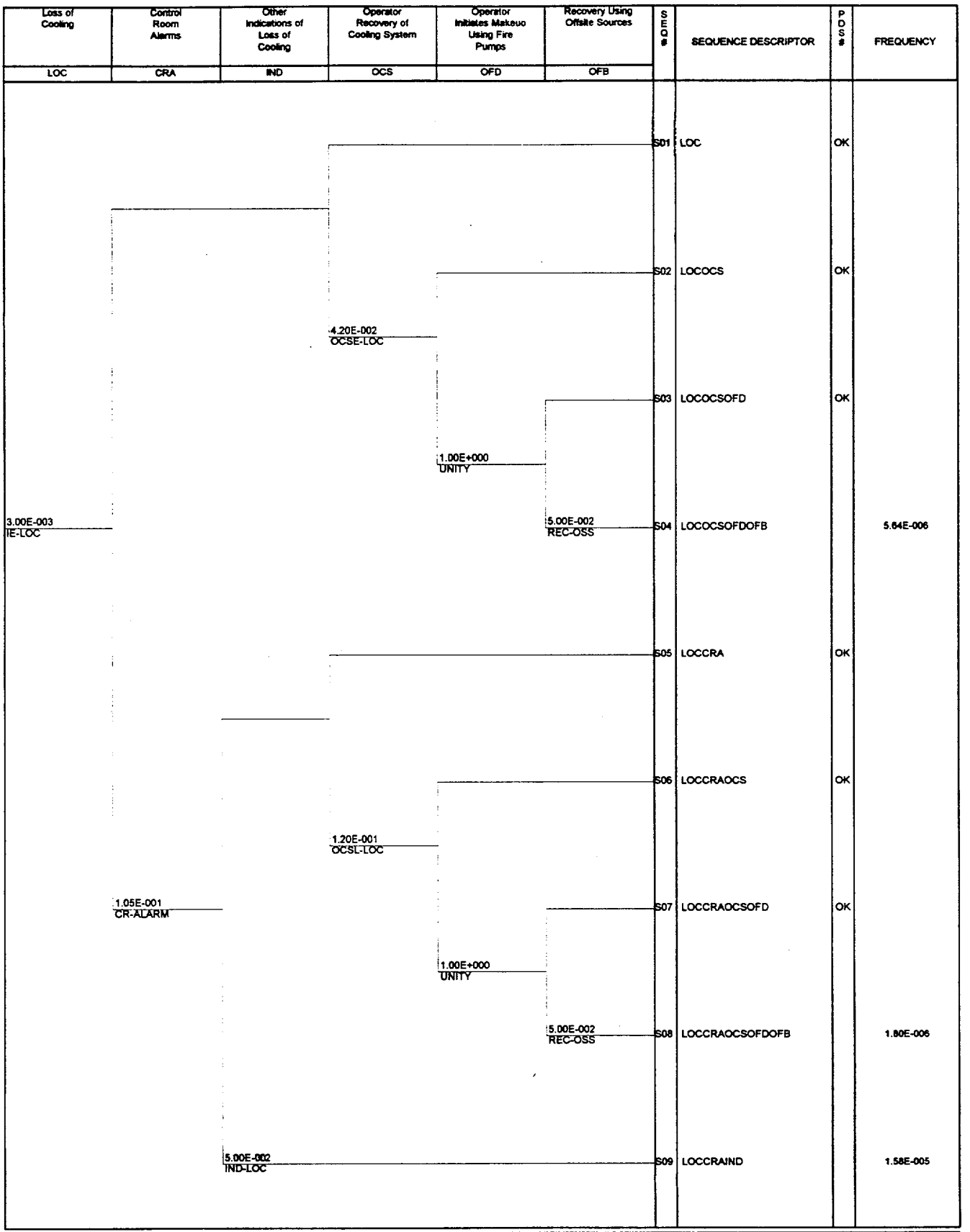


C:\WinNUPRA\SFP-3\Fir.evt 11:23:18 06/04/99 WIN-NUPRA 1.0
Quantification Date: 05/28/99 08:02:25 TOTAL CMF = 4.45E-005

SFP RISK AT DECOMMISSIONED PLANTS

INTERNAL FIRE INITIATING EVENT

CASE 3

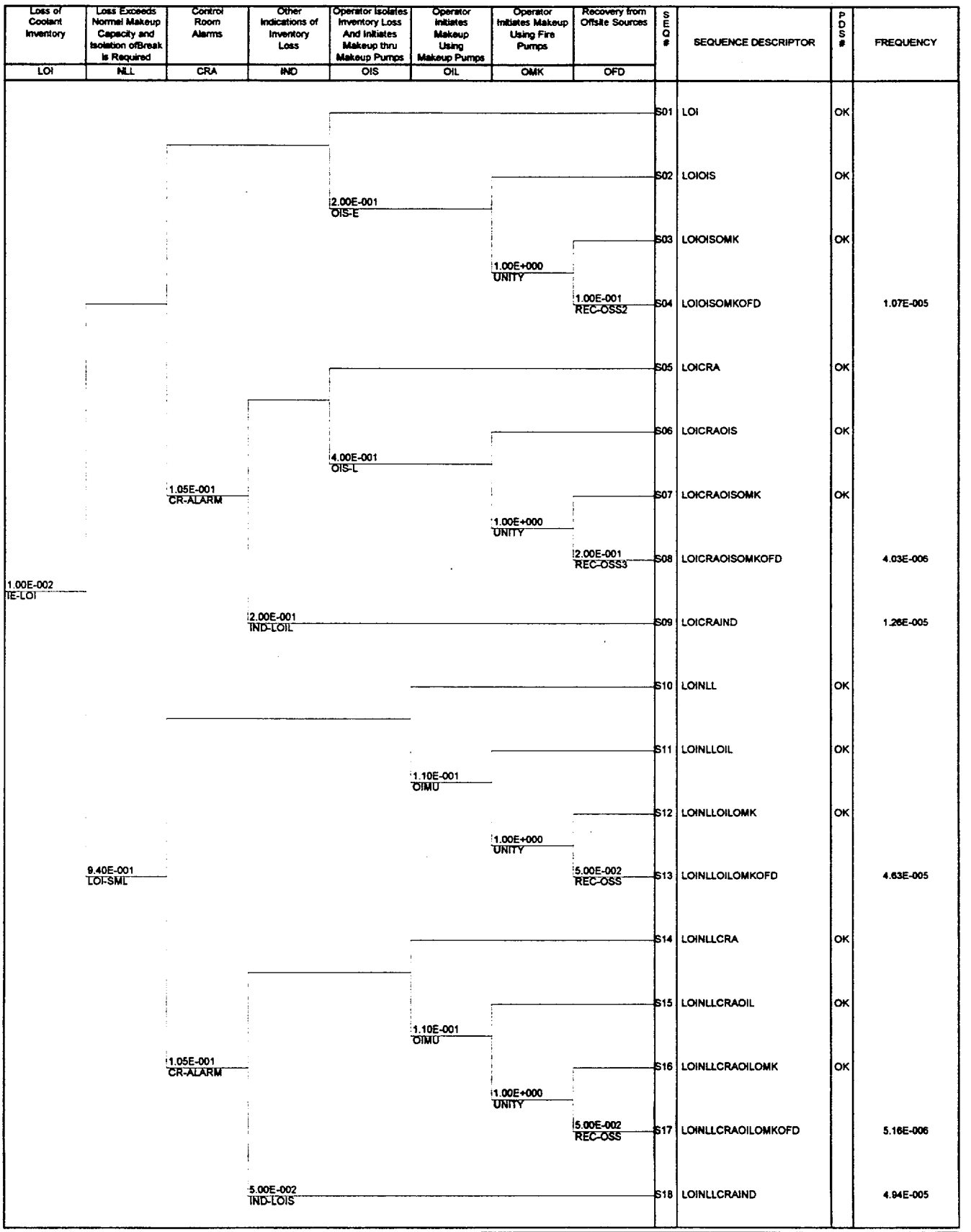


C:\WinNUPRA\SFP-3\Loc.evt 11:23:19 06/04/99 WIN-NUPRA 1.0
Quantification Date: 05/28/99 08:04:59 TOTAL CMF = 2.32E-005

SFP RISK AT DECOMMISSIONED PLANTS

LOSS OF COOLING

CASE 3

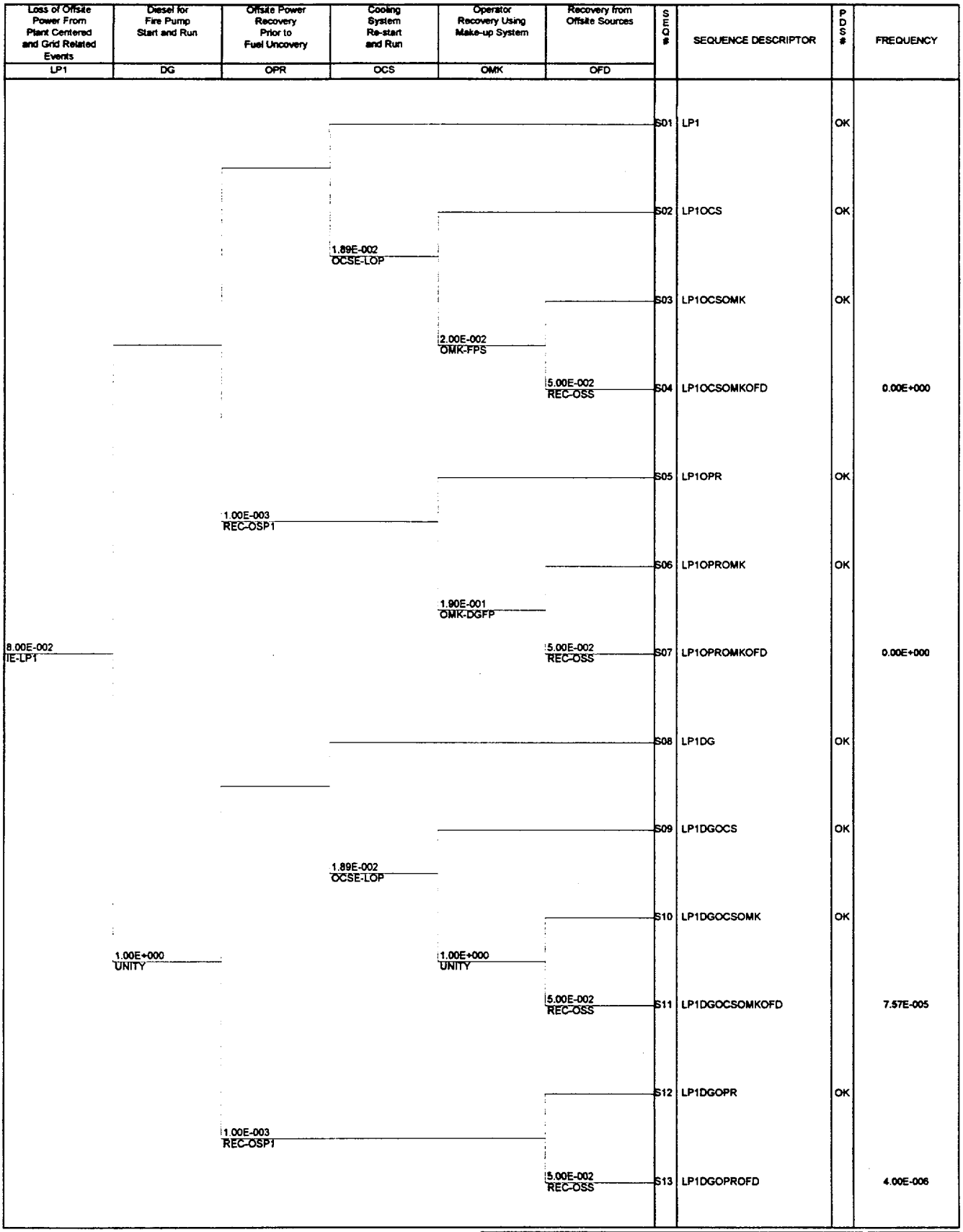


C:\WinNUPRA\SFP-3\Loi.evt 11:23:19 06/04/99 WIN-NUPRA 1.0
Quantification Date: 05/28/99 08:08:14 TOTAL CMF = 1.28E-004

SFP RISK AT DECOMMISSIONED PLANTS

LOSS OF COOLANT INVENTORY

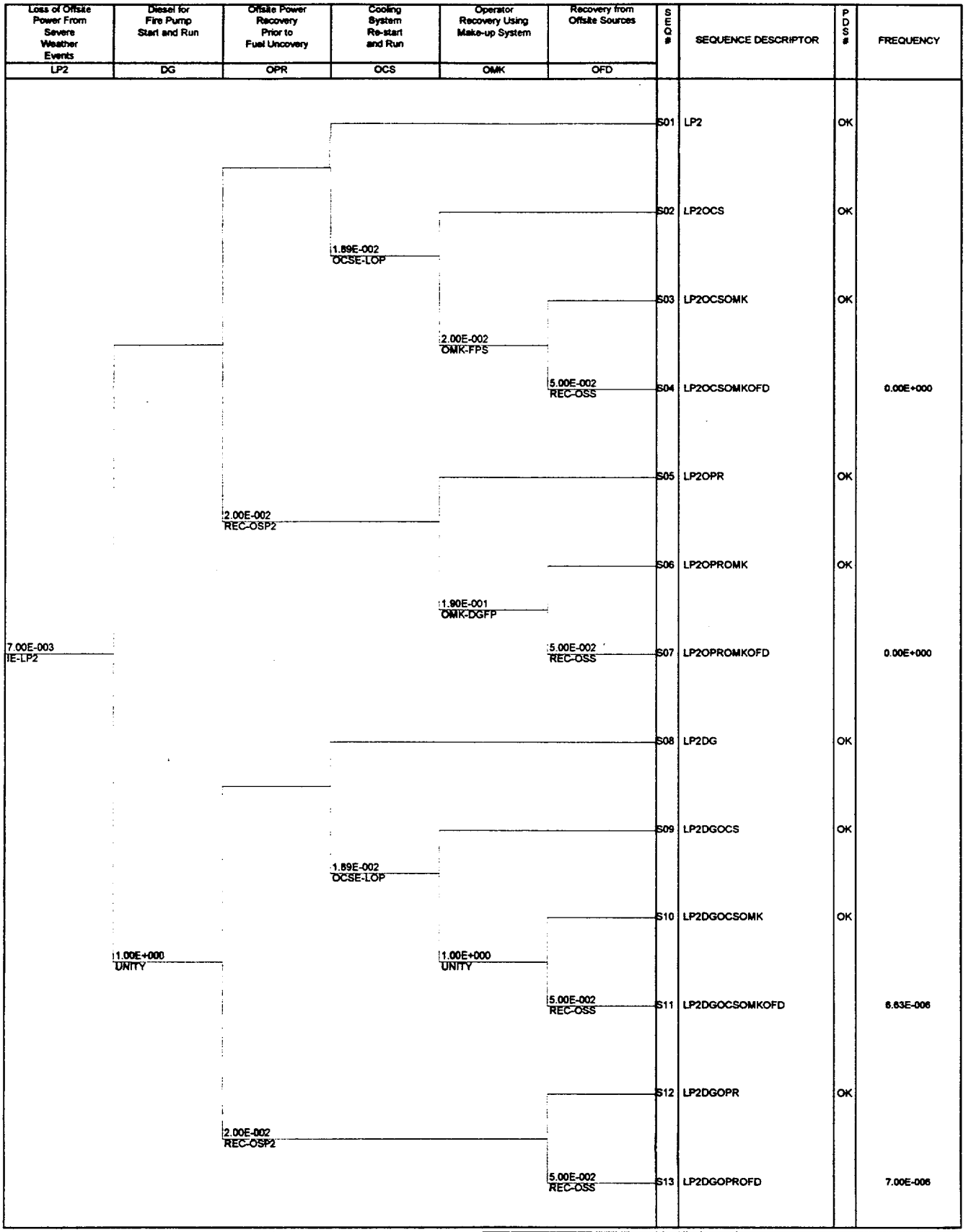
CASE 3



C:\WinNUPRA\SFP-3\Lp1.evt 11:23:20 06/04/99 WIN-NUPRA 1.0
Quantification Date: 05/28/99 08:10:23 TOTAL CMF = 7.97E-005

SFP RISK AT DECOMMISSIONED PLANTS

LOSS OF OFFSITE POWER
FROM PLANT CENTERED EVENTS
CASE 3



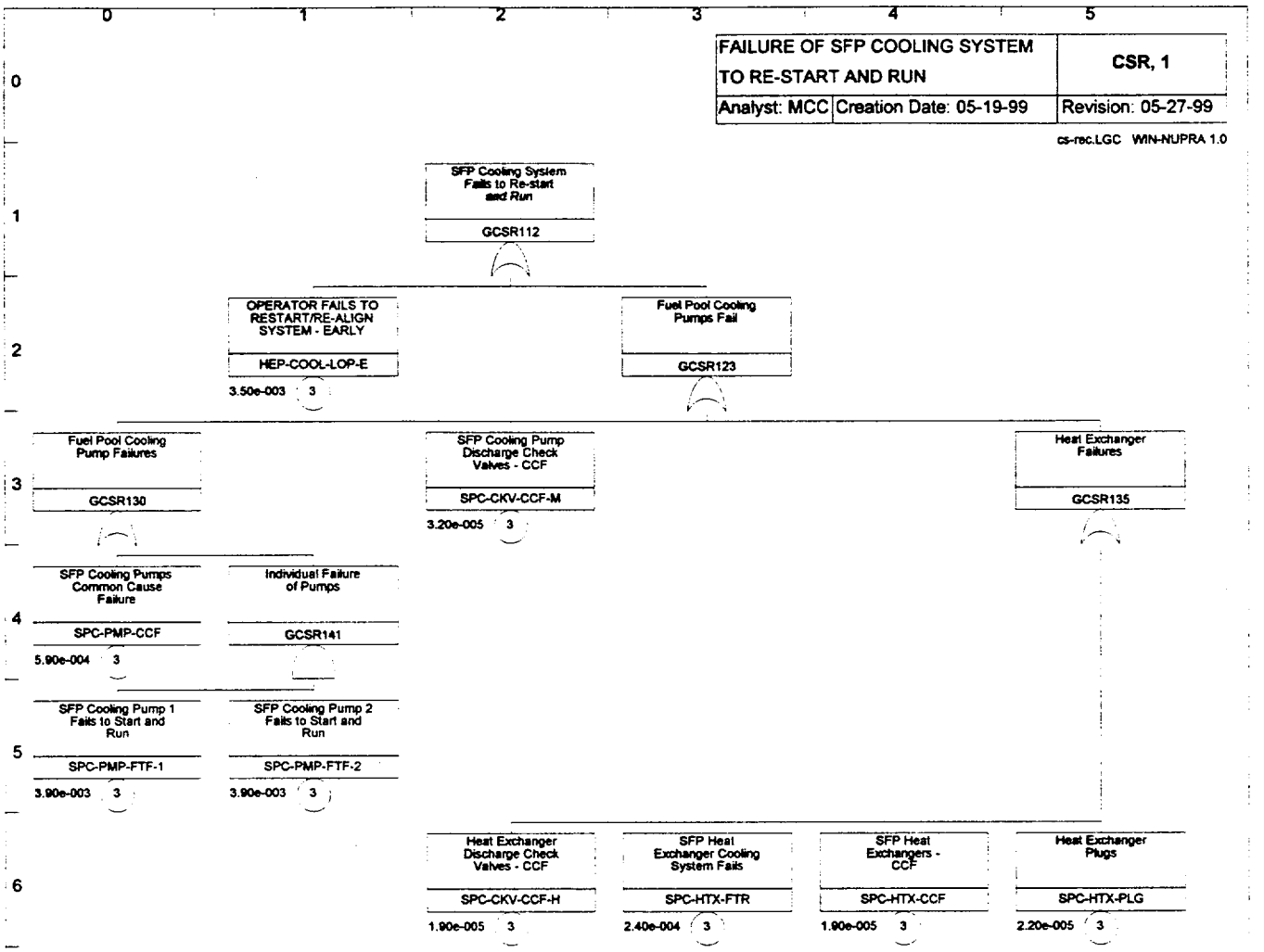
C:\WinNUPRA\SFP-3\Lp2.evt 11:23:20 06/04/99 WIN-NUPRA 1.0
Quantification Date: 05/28/99 08:12:17 TOTAL CMF = 1.36E-005

SFP RISK AT DECOMMISSIONED PLANTS

LOSS OF OFFSITE POWER
FROM SEVERE WEATHER EVENTS
CASE 3

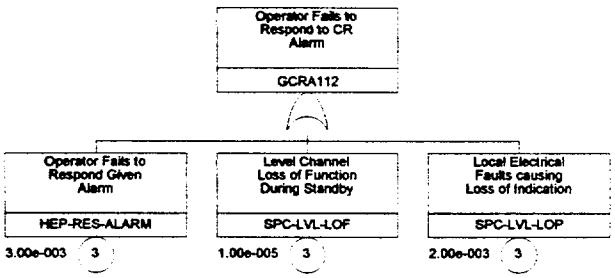
FAILURE OF SFP COOLING SYSTEM TO RE-START AND RUN		CSR, 1
Analyst: MCC	Creation Date: 05-19-99	Revision: 05-27-99

cs-rec.LGC WIN-NUPRA 1.0



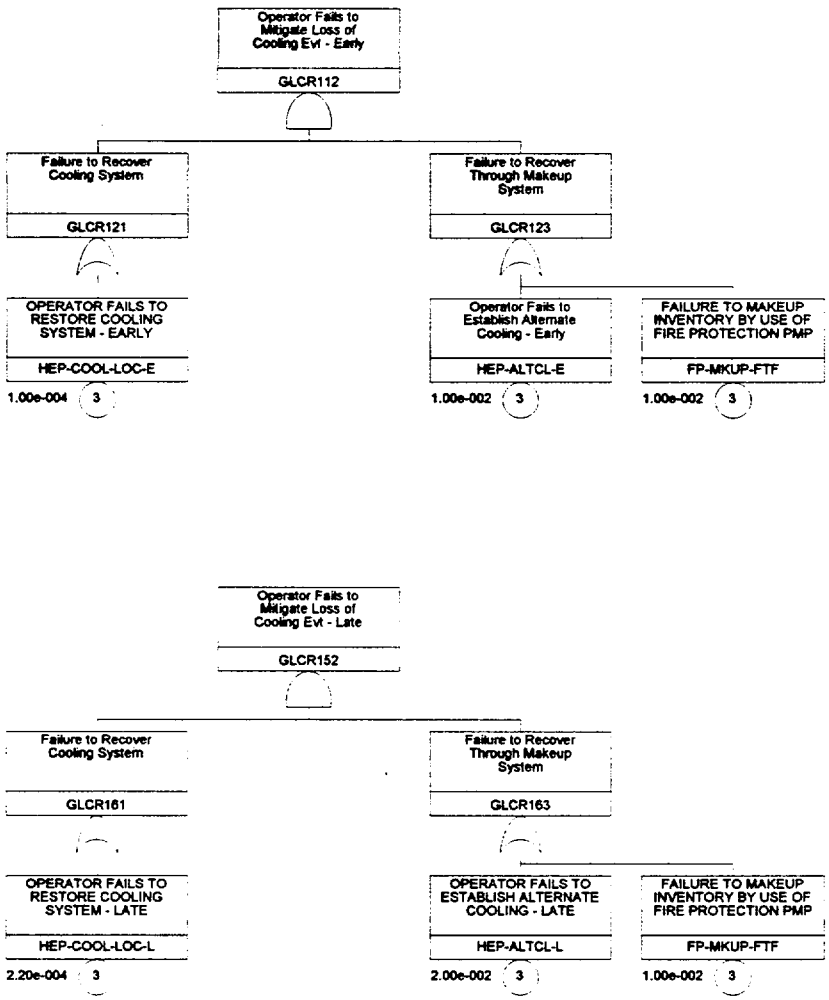
FAILURE TO RESPOND TO A CONTROL ROOM ALARM		CRA, 1
Analyst: MCC	Creation Date: 05-18-99	Revision: 05-18-99

cr-alarm.LGC WIN-NUPRA 1.0



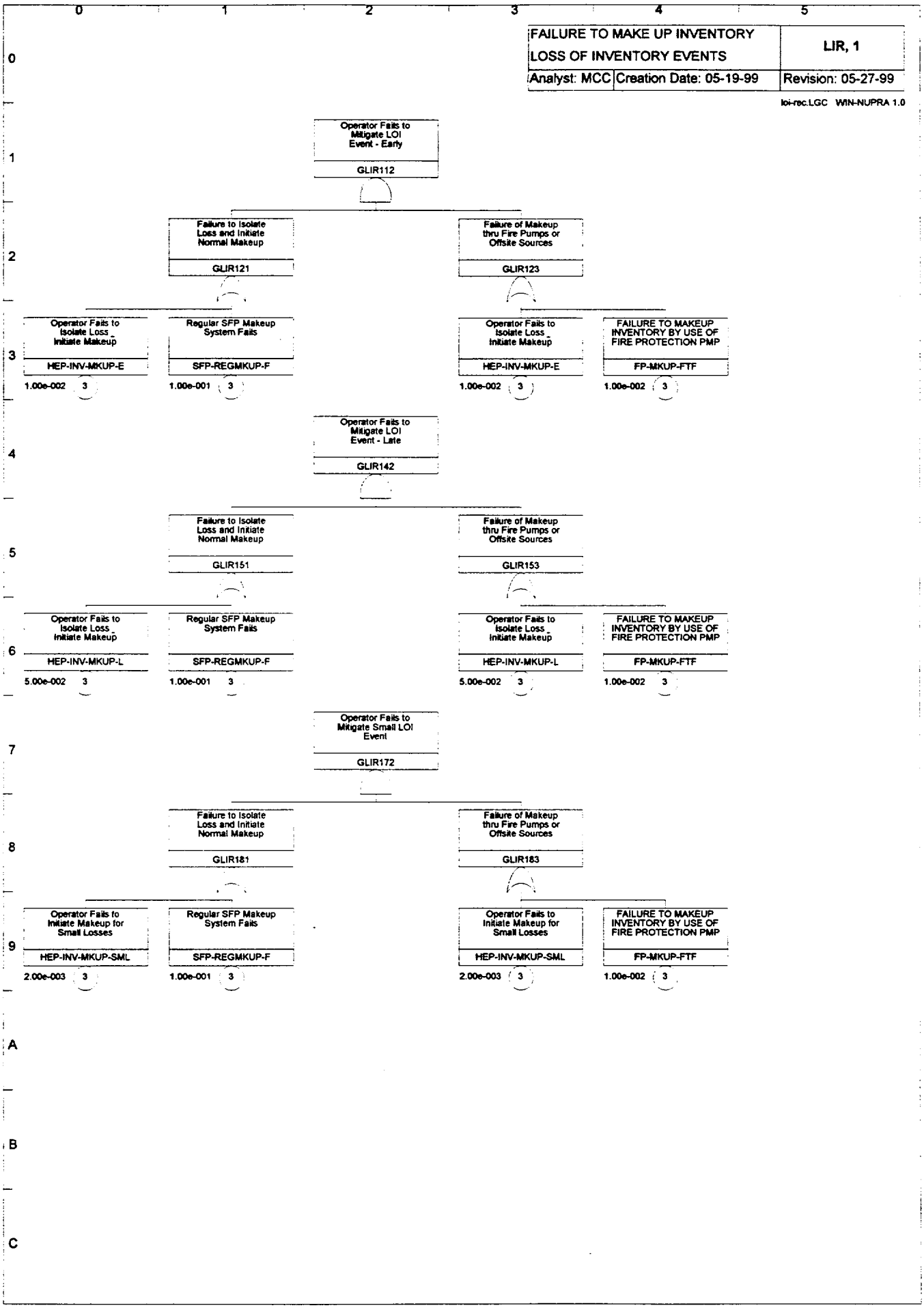
FAILURE TO MITIGATE LOSS OF COOLING EVENT		LCR, 1
Analyst: MCC	Creation Date: 05-18-99	Revision: 05-27-99

loc-rec.LGC WIN-NUPRA 1.0



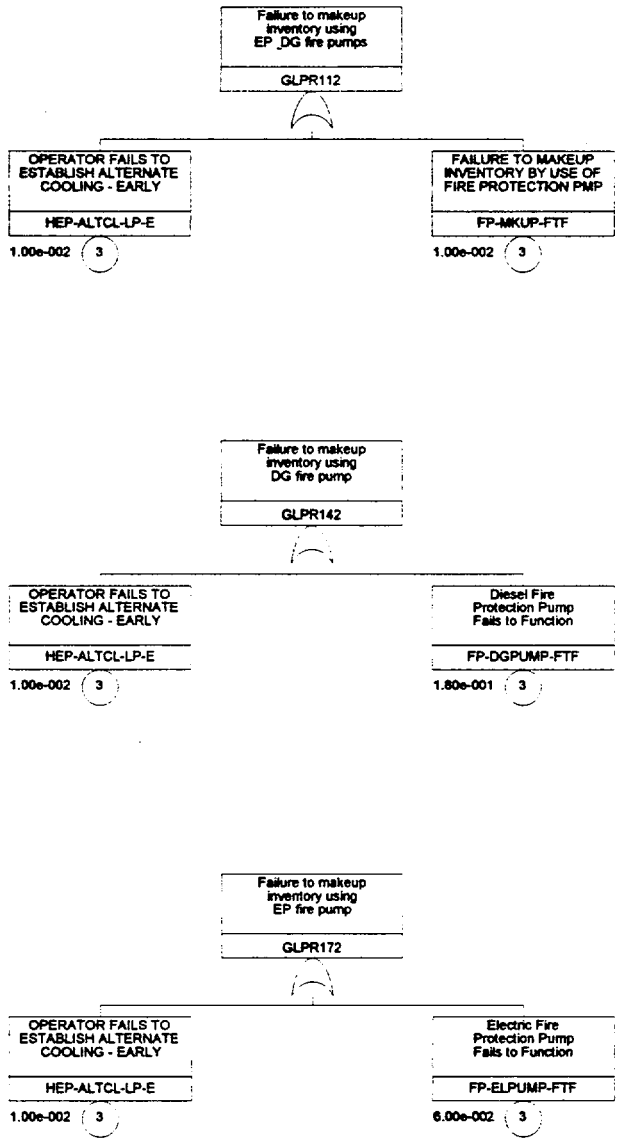
FAILURE TO MAKE UP INVENTORY LOSS OF INVENTORY EVENTS		LIR, 1
Analyst: MCC	Creation Date: 05-19-99	Revision: 05-27-99

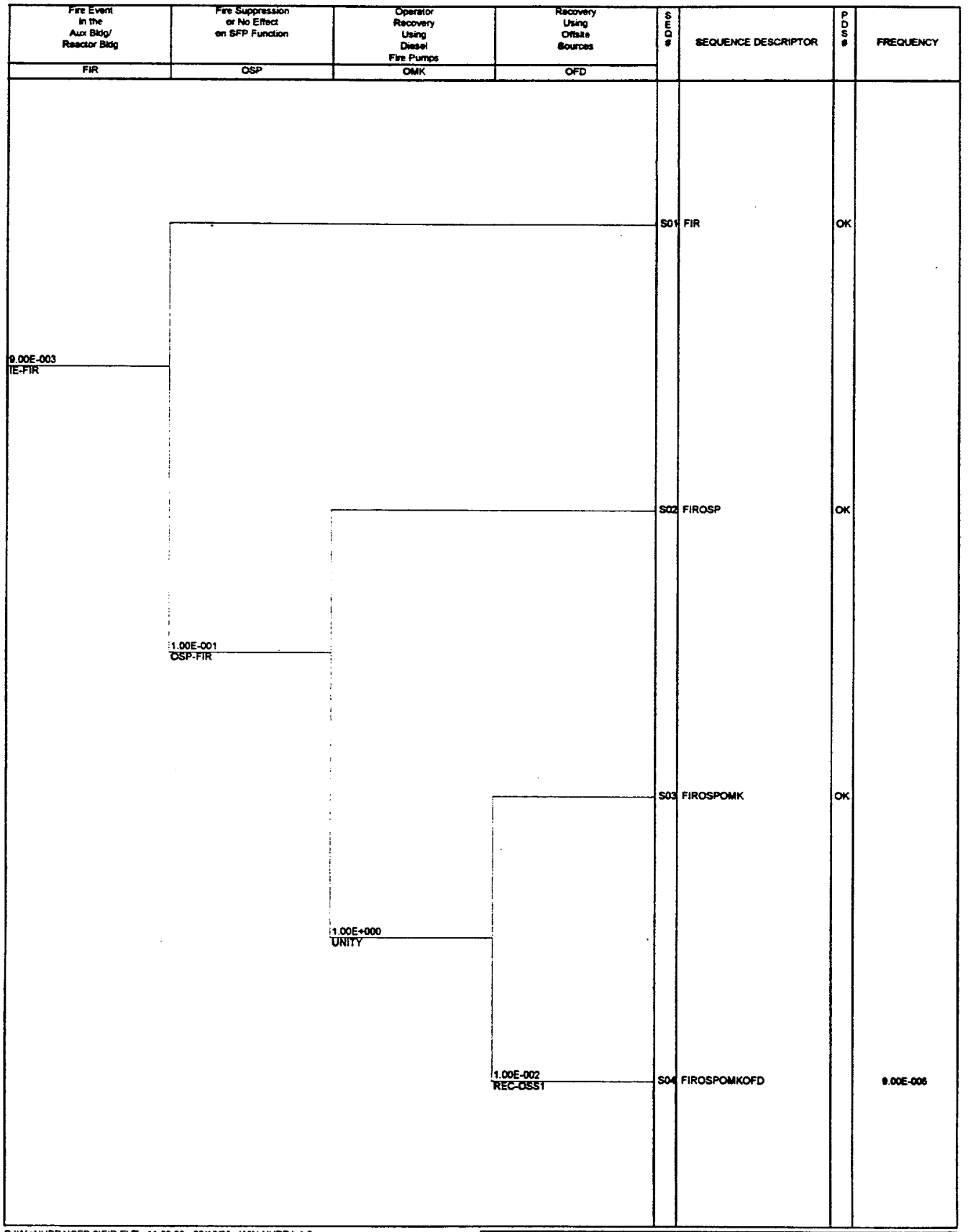
loi-rec.LGC WIN-NUPRA 1.0



FAILURE TO MAKE UP INVENTORY LOSS OF POWER EVENTS		LPR, 1
Analyst: MCC	Creation Date: 05-19-99	Revision: 05-27-99

lop-rec.LGC WIN-NUPRA 1.0





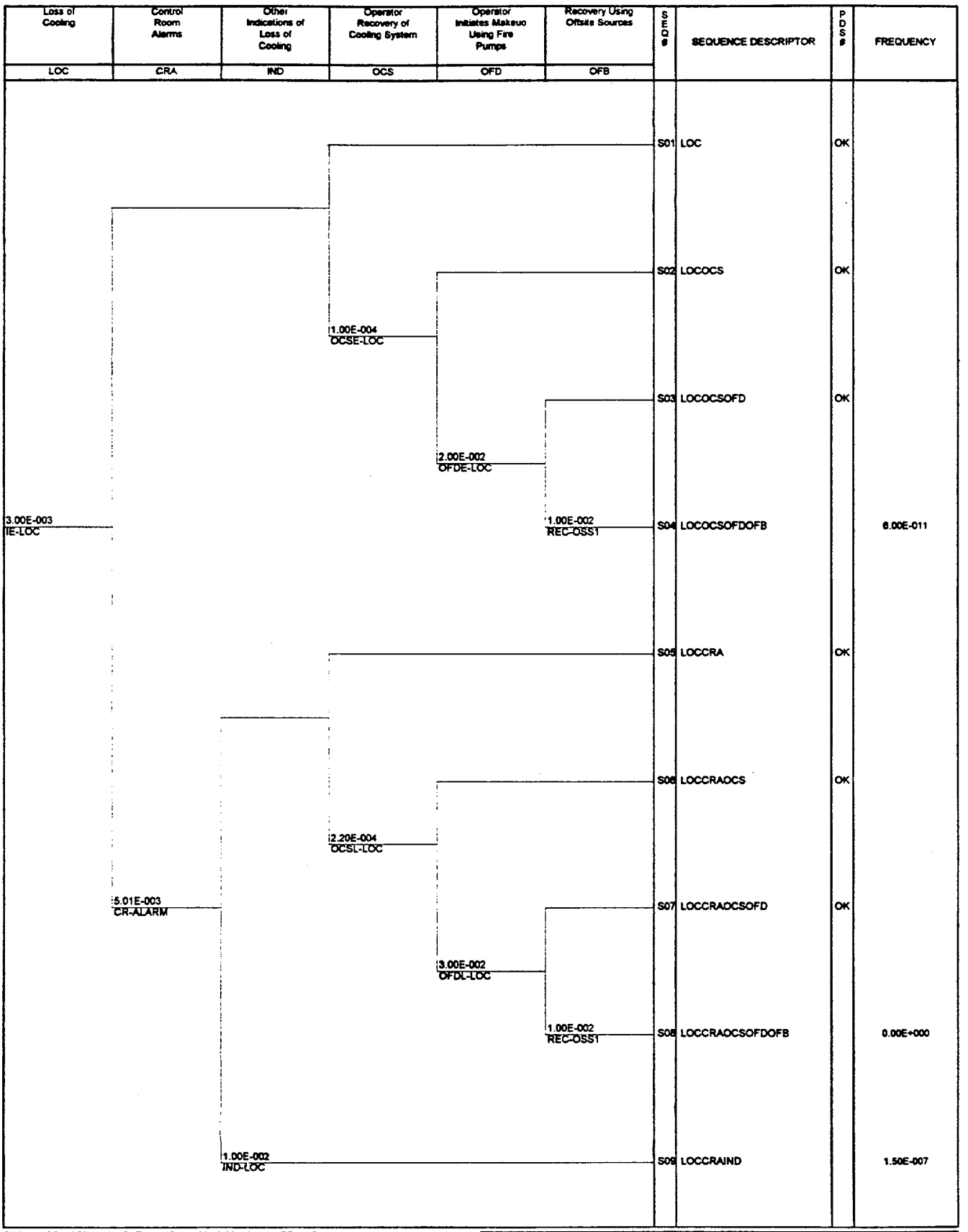
C:\WinNUPRA\SFP-3\FIR.EVT 11:03:33 06/10/99 WIN-NUPRA 1.0
Quantification Date: 06/10/99 11:03:02 TOTAL CMF = 9.00E-006

SFP RISK AT DECOMMISSIONED PLANTS

INTERNAL FIRE INITIATING EVENT

CASE 3

Rework by Hilal Given & Yoshida 6/11/99

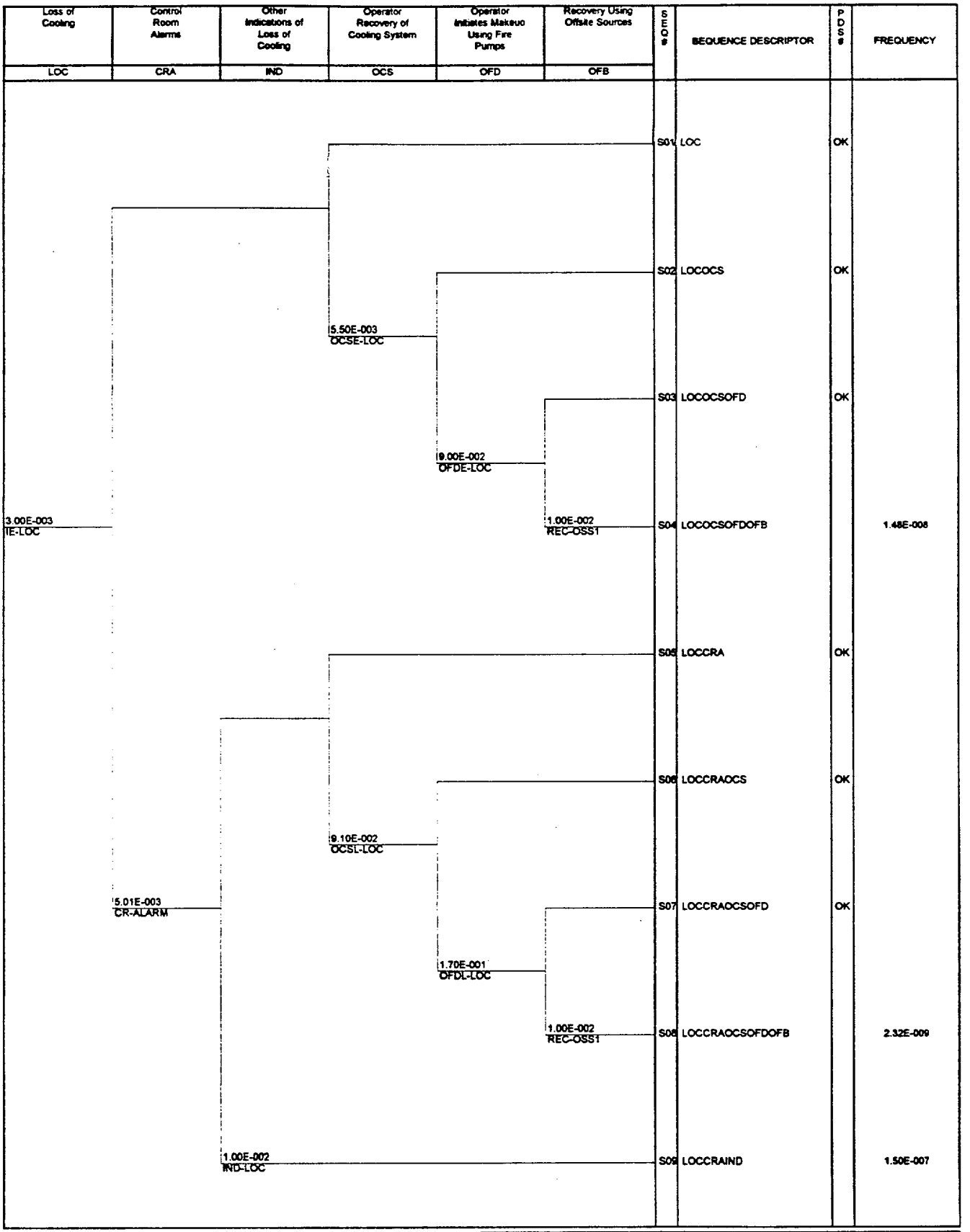


C:\WinNUPRA\SFP-1\LOC.EVT 10:37:29 06/10/99 WIN-NUPRA 1.0
Quantification Date 06/10/99 10:36:45 TOTAL CMF = 1.50E-007

SFP RISK AT DECOMMISSIONED PLANTS

LOSS OF COOLING

CASE 1

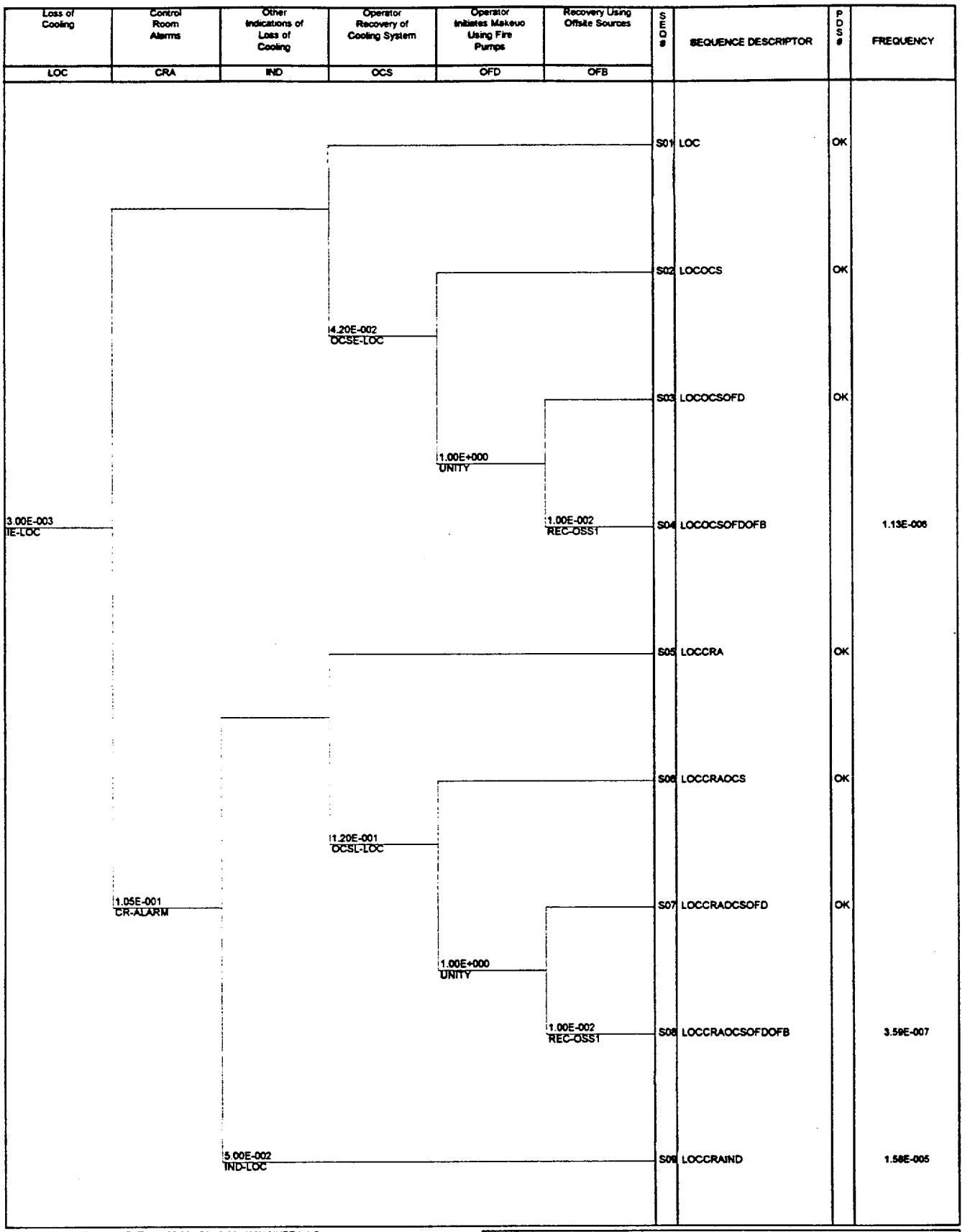


C:\WinNUPRA\SFP-2\LOC.EVT 11:06.33 06/10/99 WIN-NUPRA 1.0
Quantification Date. 06/10/99 10:56.46 TOTAL CMF = 1.67E-007

SFP RISK AT DECOMMISSIONED PLANTS

LOSS OF COOLING

CASE 2

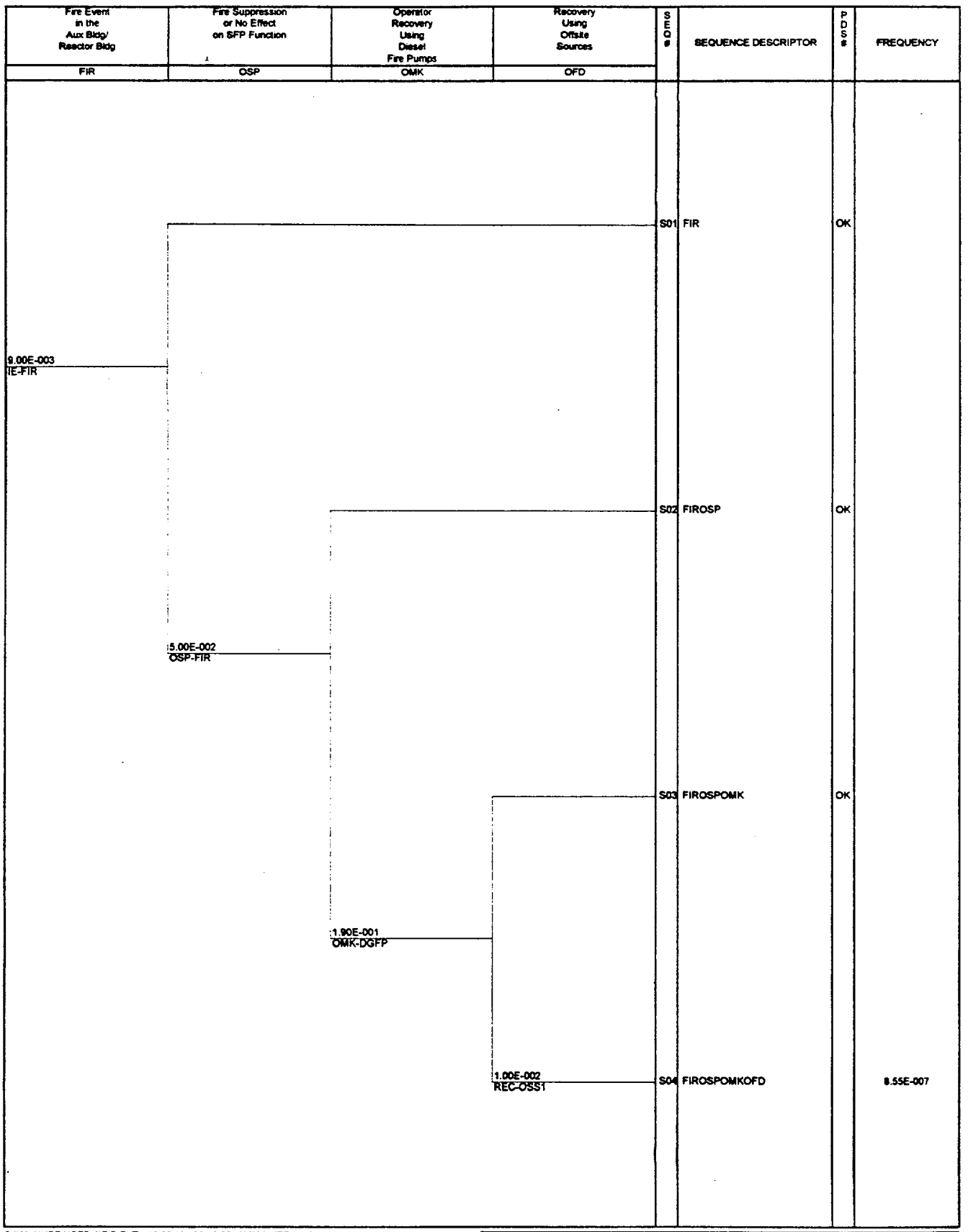


C:\WinNUPRA\SFP-3\LOC.EVT 11:05:38 06/10/99 WIN-NUPRA 1.0
Quantification Date: 06/10/99 11:03:52 TOTAL CMF = 1.73E-005

SFP RISK AT DECOMMISSIONED PLANTS

LOSS OF COOLING

CASE 3

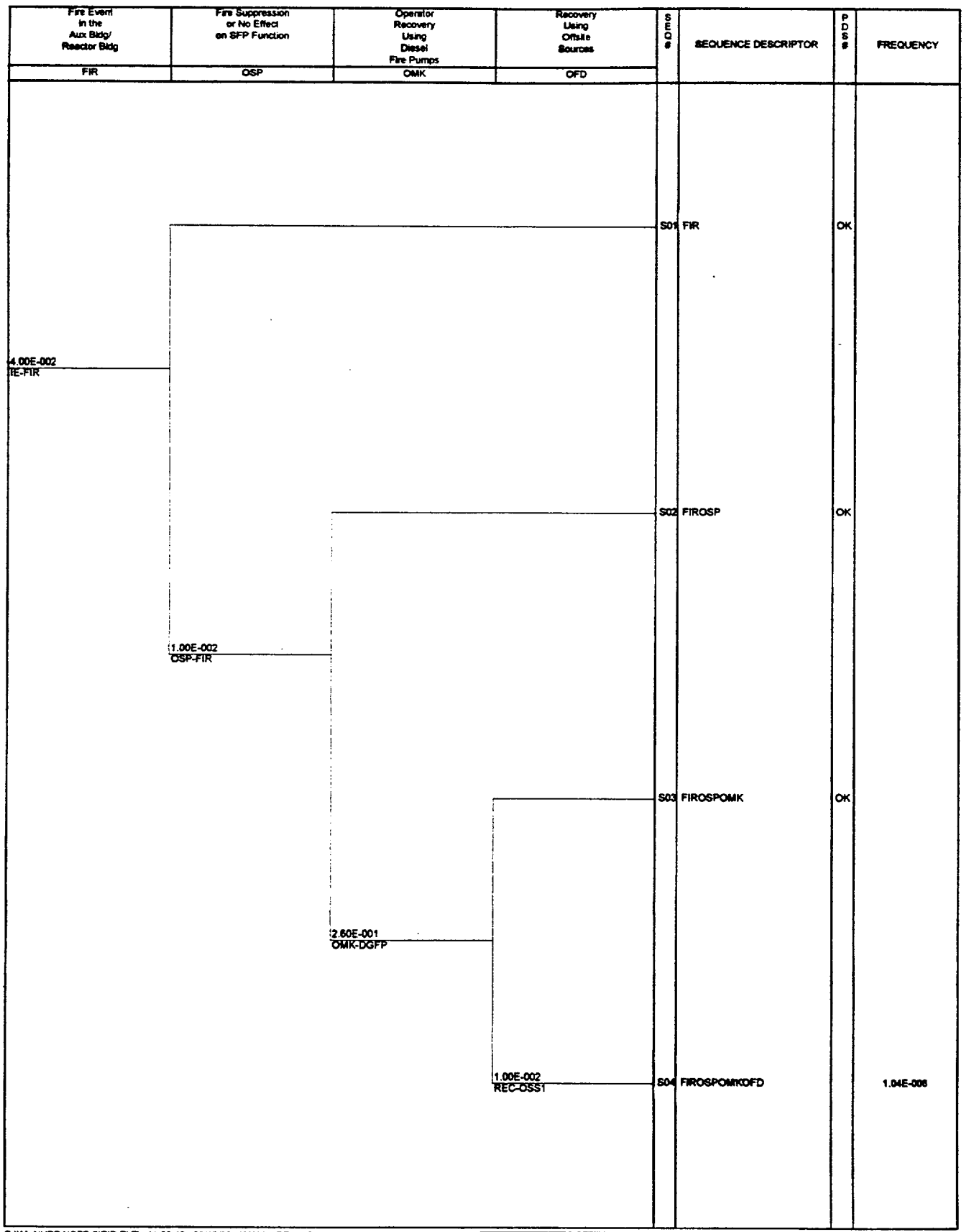


C:\WinNUPRA\SFP-1\FIR.EVT 10:36:18 06/10/99 WIN-NUPRA 1.0
Quantification Date: 06/10/99 10:34:45 TOTAL CMF = 8.55E-007

SFP RISK AT DECOMMISSIONED PLANTS

INTERNAL FIRE INITIATING EVENT

CASE 1



C:\WinNUPRA\SFP-2\FIR.EVT 11:06:46 06/10/99 WIN-NUPRA 1.0
Quantification Date: 06/10/99 10:55:41 TOTAL CMF = 1.04E-006

SFP RISK AT DECOMMISSIONED PLANTS

INTERNAL FIRE INITIATING EVENT

CASE 2