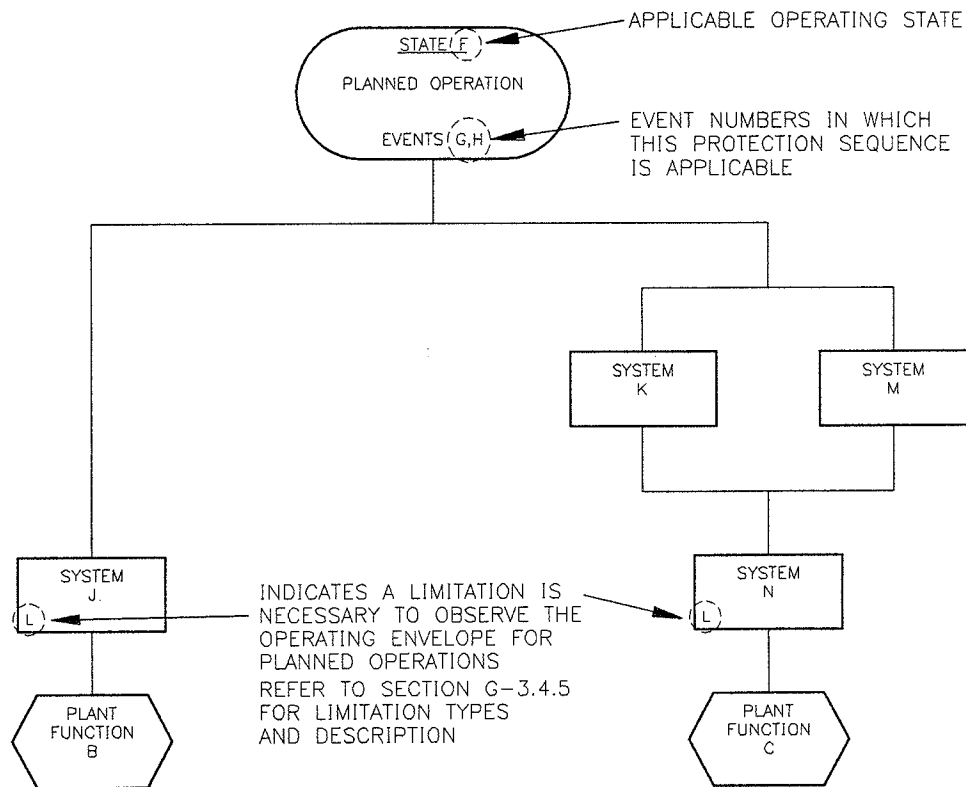


Nebraska Public Power District  
 COOPER NUCLEAR STATION  
 UPDATED SAFETY ANALYSIS REPORT (USAR)

**BLOCK DIAGRAM FOR  
 NUCLEAR SAFETY  
 OPERATIONAL ANALYSIS**

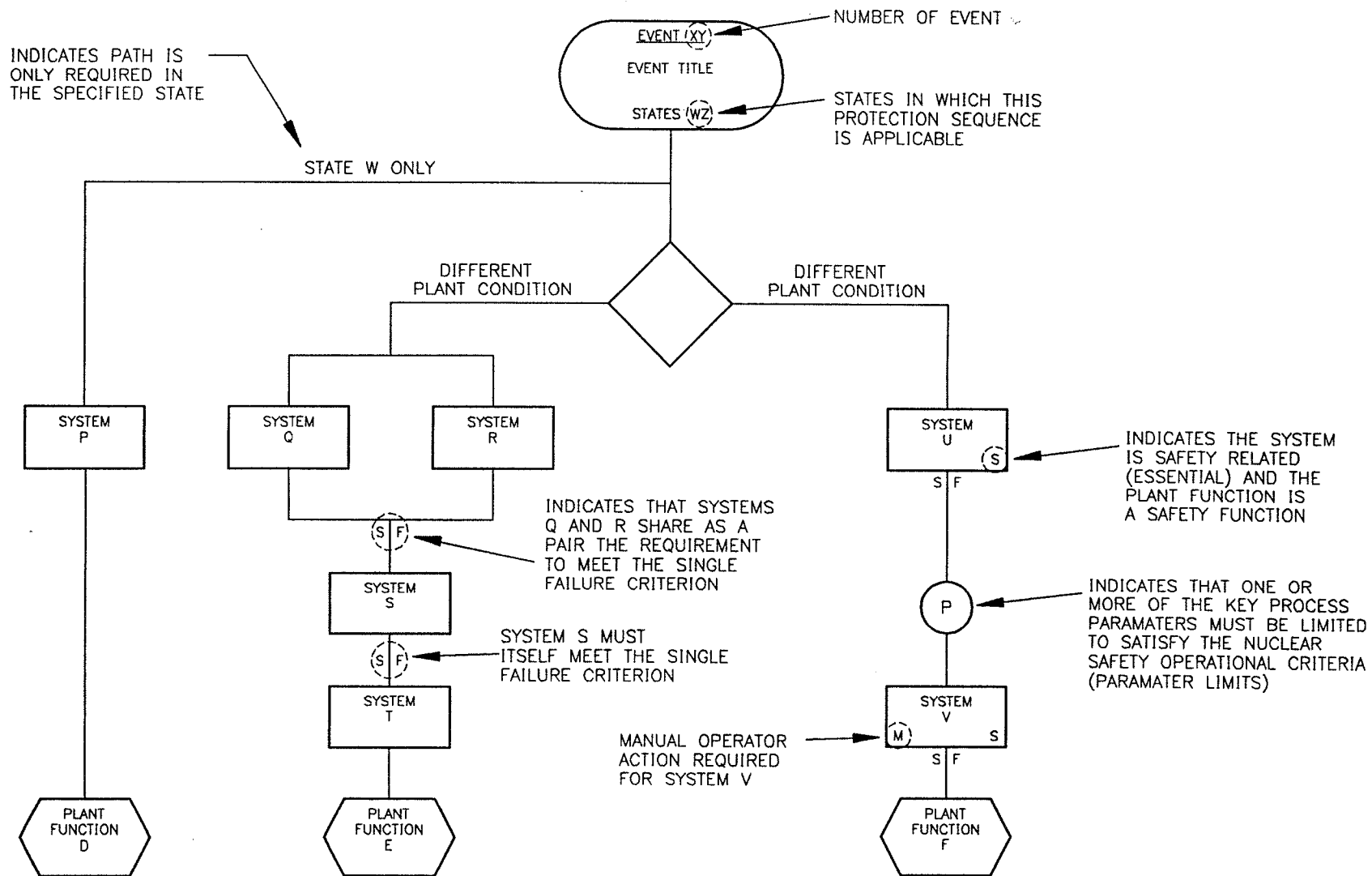
FIGURE G-2-2  
 7/22/96



Nebraska Public Power District  
 COOPER NUCLEAR STATION  
 UPDATED SAFETY ANALYSIS REPORT (USAR)

**FORMAT FOR  
 PROTECTION SEQUENCE DIAGRAMS  
 - PLANNED OPERATION**

FIGURE G-4-1  
 8/3/00

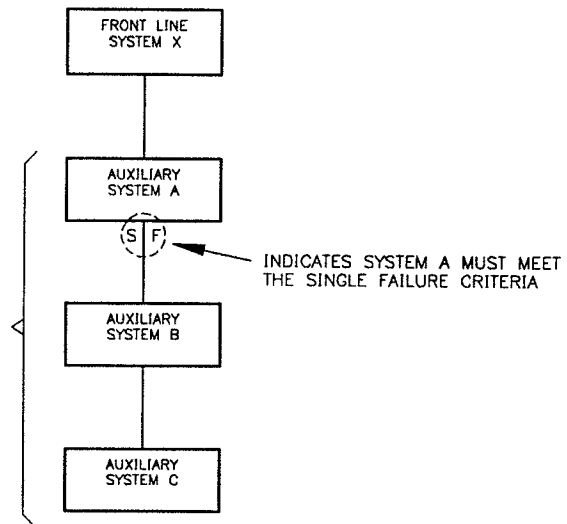


Nebraska Public Power District  
 COOPER NUCLEAR STATION  
 UPDATED SAFETY ANALYSIS REPORT (USAR)

**FORMAT FOR  
 PROTECTION SEQUENCE DIAGRAMS  
 - EVENTS**

FIGURE G-4-2  
 7/22/96

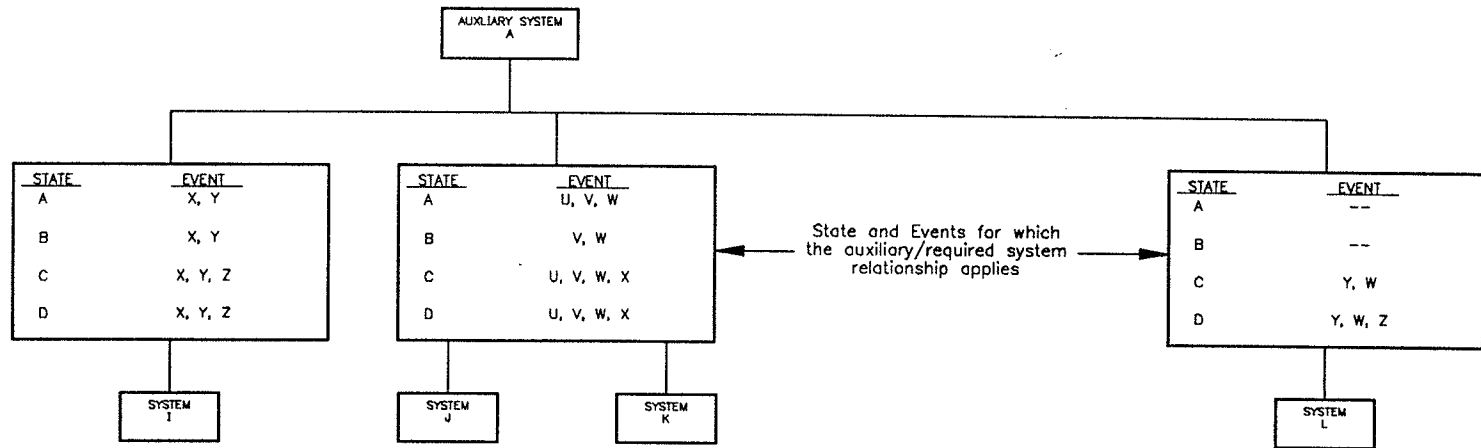
DIAGRAM INDICATES THAT AUXILIARY SYSTEMS A,B AND C ARE REQUIRED FOR THE OPERATION OF FRONT-LINE SYSTEM X. IF SYSTEM X IS SAFETY RELATED (ESSENTIAL), THEN AUXILIARY SYSTEMS A,B, AND C MUST ALSO BE SAFETY RELATED (ESSENTIAL).



Nebraska Public Power District  
COOPER NUCLEAR STATION  
UPDATED SAFETY ANALYSIS REPORT (USAR)

**FORMAT FOR  
AUXILIARY SYSTEM DIAGRAMS**

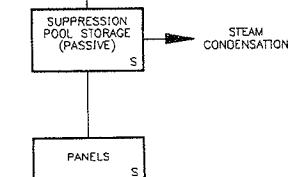
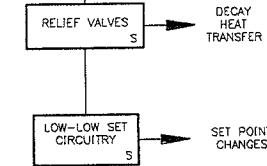
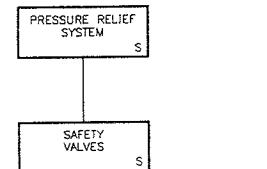
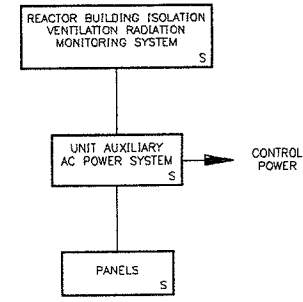
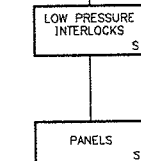
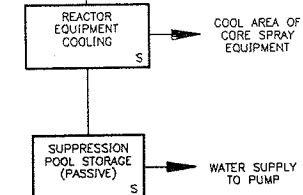
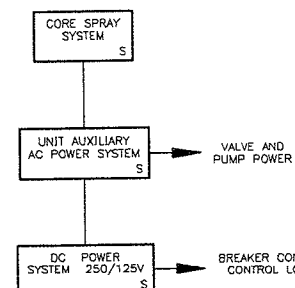
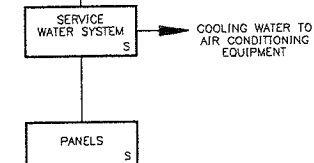
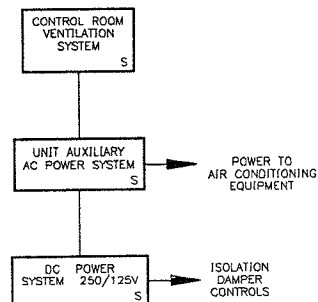
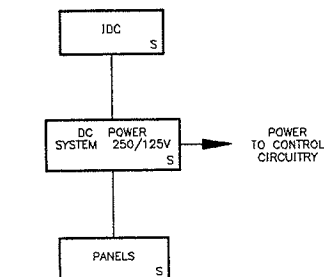
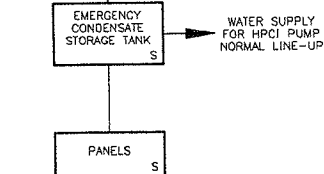
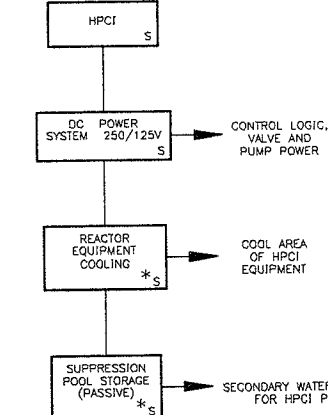
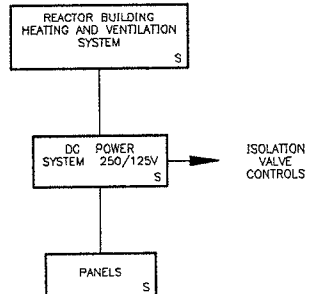
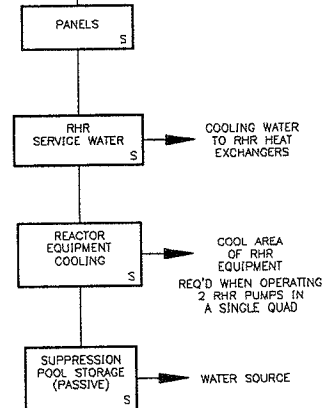
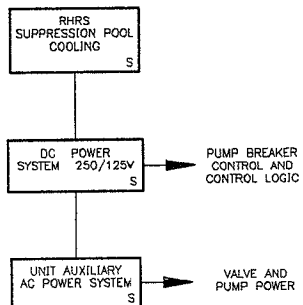
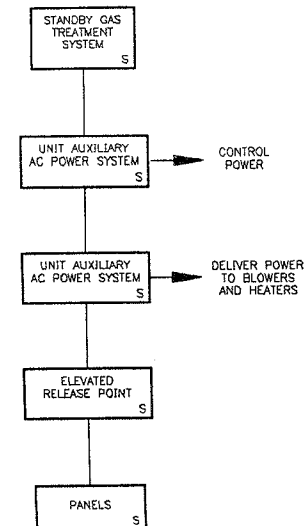
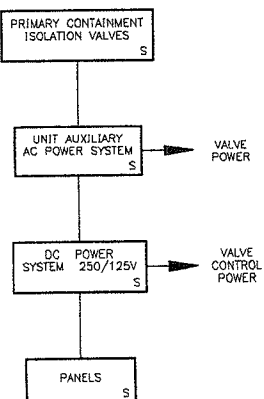
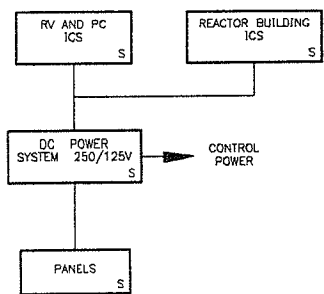
FIGURE G-4-3  
7/22/96



Nebraska Public Power District  
COOPER NUCLEAR STATION  
UPDATED SAFETY ANALYSIS REPORT (USAR)

**FORMAT FOR  
COMMONALITY DIAGRAMS**

FIGURE G-4-4  
7/22/96

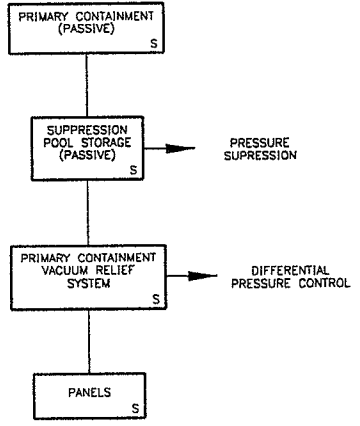
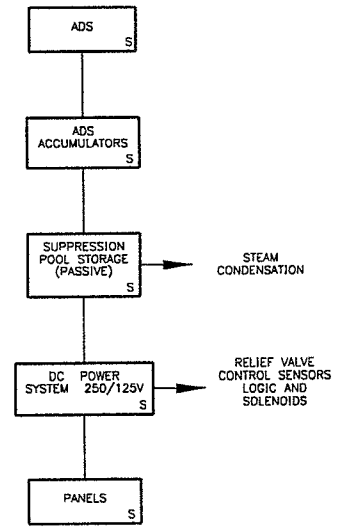
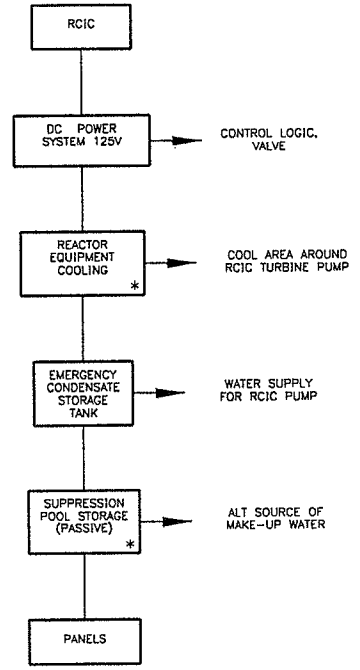
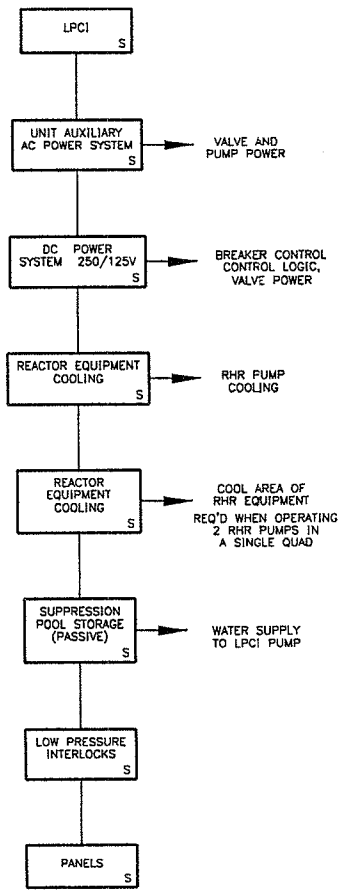


\* -NOT APPLICABLE FOR STATION BLACKOUT

Nebraska Public Power District  
COOPER NUCLEAR STATION  
UPDATED SAFETY ANALYSIS REPORT (USAR)

### AUXILIARY SYSTEMS FOR FRONT-LINE SYSTEMS

FIGURE G-5-1  
8/3/00

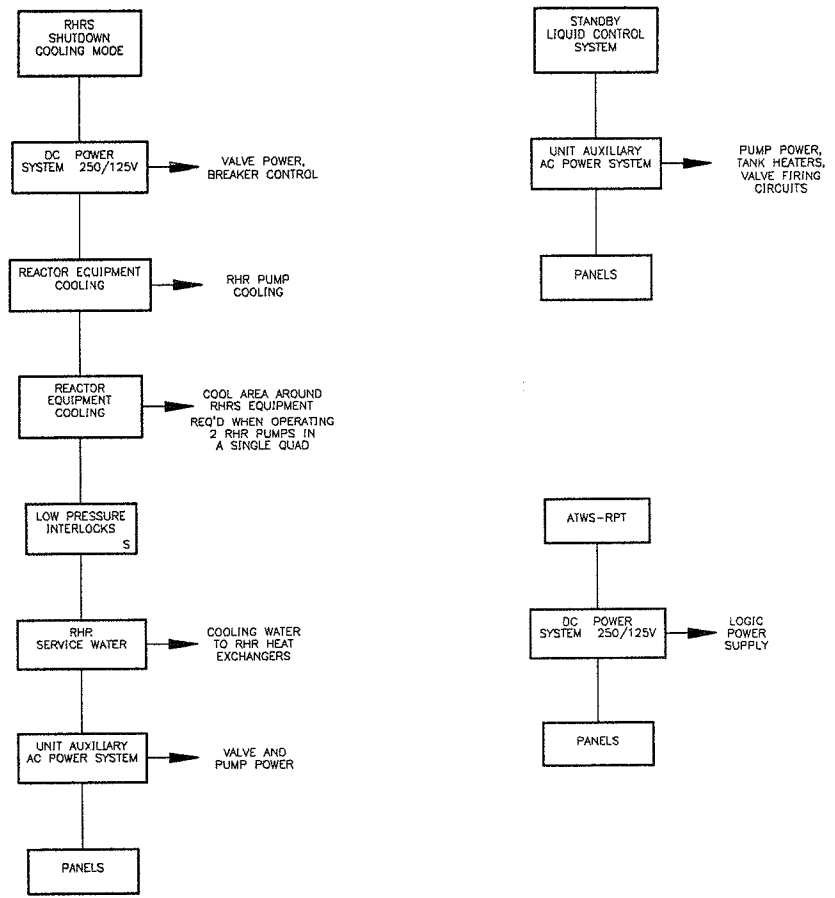


SYSTEMS WITH NO REQUIRED AUXILIARY SYSTEMS	PASSIVE	FAIL-SAFE	SELF CON-TAINED	SAFETY RELATED
FUEL ASSEMBLIES	X			X
CONTROL RODS			X	X
CONTROL ROD DRIVES		X		X
NEUTRON MONITORING		X		X
ROD BLOCK MONITORING		X		
MAIN STEAM LINE RAD MONITORING		X		X
RPS		X		X
MSIV'S		X		X
FLOW RESTRICTORS	X			X
SAFETY VALVES			X	X
RADWASTE BUILDING	X			
REACTOR BUILDING	X			X
CONTROL ROD VELOCITY-LIMITER	X			X
CONTROL ROD HOUSING	X			X
DC POWER SYSTEM 250/125V			X	X
SUPPRESSION POOL STORAGE			X	X
PRIMARY CONTAINMENT RELIEF		X		X
SPENT FUEL POOL	X			X
CRD HOUSING SUPPORTS	X			X
CONTROL ROOM PANELS	X			X
LOCAL PANELS AND RACKS	X			X
EMERGENCY COND. STORAGE TANK	X			

\* -NOT APPLICABLE FOR STATION BLACKOUT

Nebraska Public Power District  
 COOPER NUCLEAR STATION  
 UPDATED SAFETY ANALYSIS REPORT (USAR)

**AUXILIARY SYSTEMS FOR FRONT-LINE SYSTEMS**  
 FIGURE G-5-2  
 5/5/06

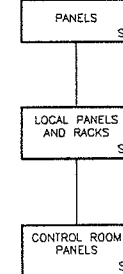
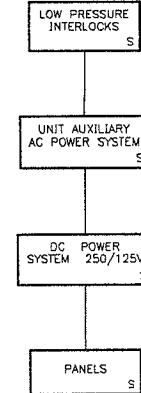
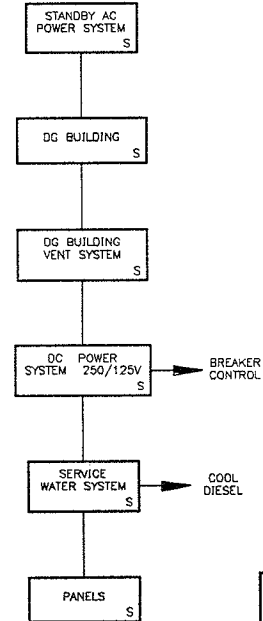
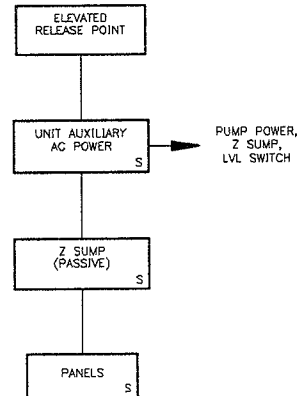
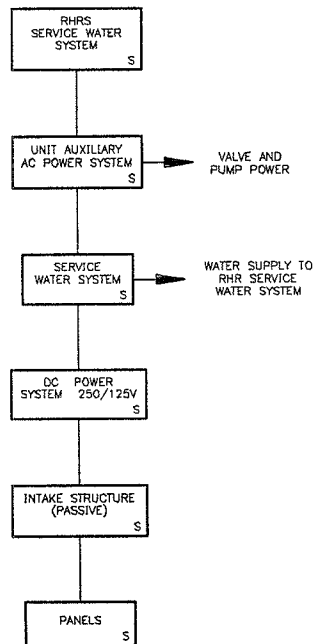
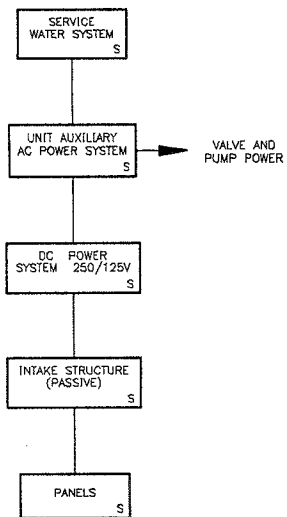
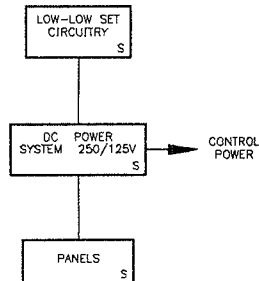
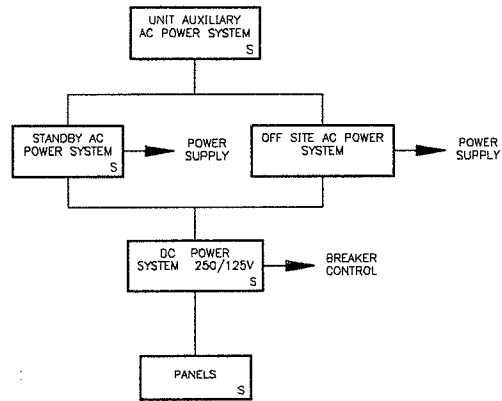
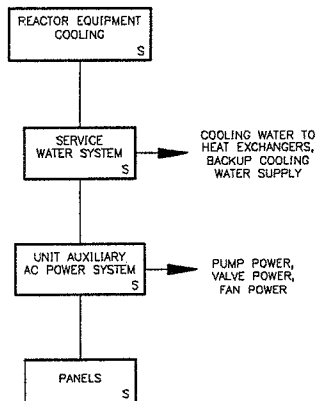
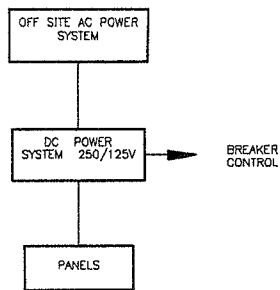


Nebraska Public Power District  
 COOPER NUCLEAR STATION  
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**AUXILIARY SYSTEMS  
 FOR FRONT-LINE  
 SYSTEMS**

FIGURE G-5-3  
 8/3/00

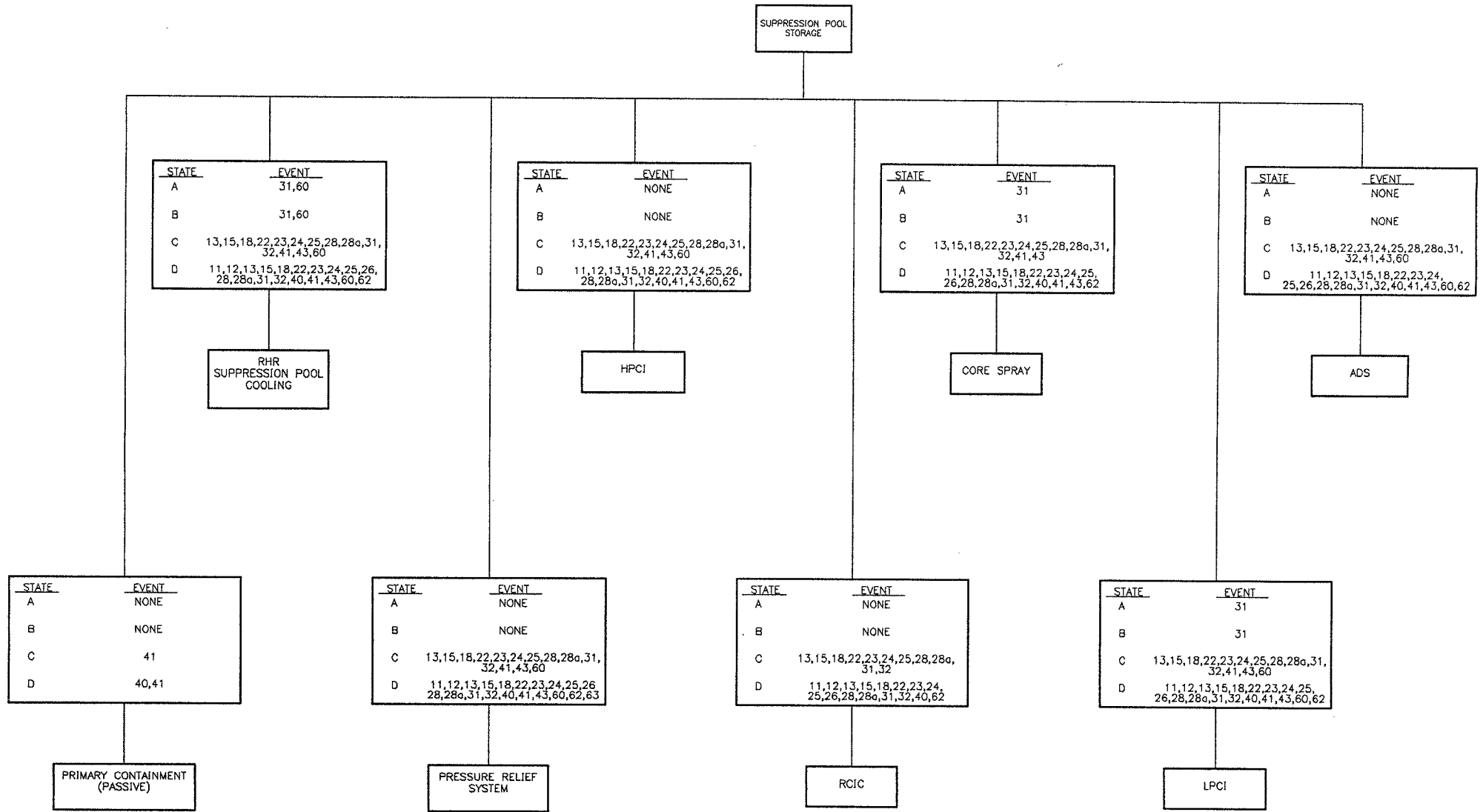




Nebraska Public Power District  
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**AUXILIARY SYSTEMS  
 FOR OTHER  
 AUXILIARY SYSTEMS**

FIGURE G-5-4  
 8/3/00



Nebraska Public Power District  
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**COMMONALITY DIAGRAMS**

FIGURE G-5-5  
 1/31/01

REACTOR  
EQUIPMENT  
COOLING

STATE	EVENT
A	31,60
B	31,60
C	13,15,18,22,23,24,25,28,28a,31, 32,41,43,60
D	11,12,13,15,18,22,23,24,25,26, 28,28a,31,32,40,41,43,60,62

RHR  
SUPPRESSION POOL  
COOLING

STATE	EVENT
A	NONE
B	NONE
C	13,15,18,22,23,24,25,28,28a,31, 32,41,43,60
D	11,12,13,15,18,22,23,24,25,26, 28,28a,31,32,40,41,43,60,62

HPCI

STATE	EVENT
A	31
B	31
C	13,15,18,22,23,24,25,28,28a,31, 32,41,43
D	11,12,13,15,18,22,23,24,25, 26,28,28a,31,32,40,41,43,62

CORE SPRAY

STATE	EVENT
A	31
B	31
C	13,15,18,22,23,24,25,28,28a,31, 32,41,43,60
D	11,12,13,15,18,22,23,24,25, 26,28,28a,31,32,40,41,43,60,62

LPCI

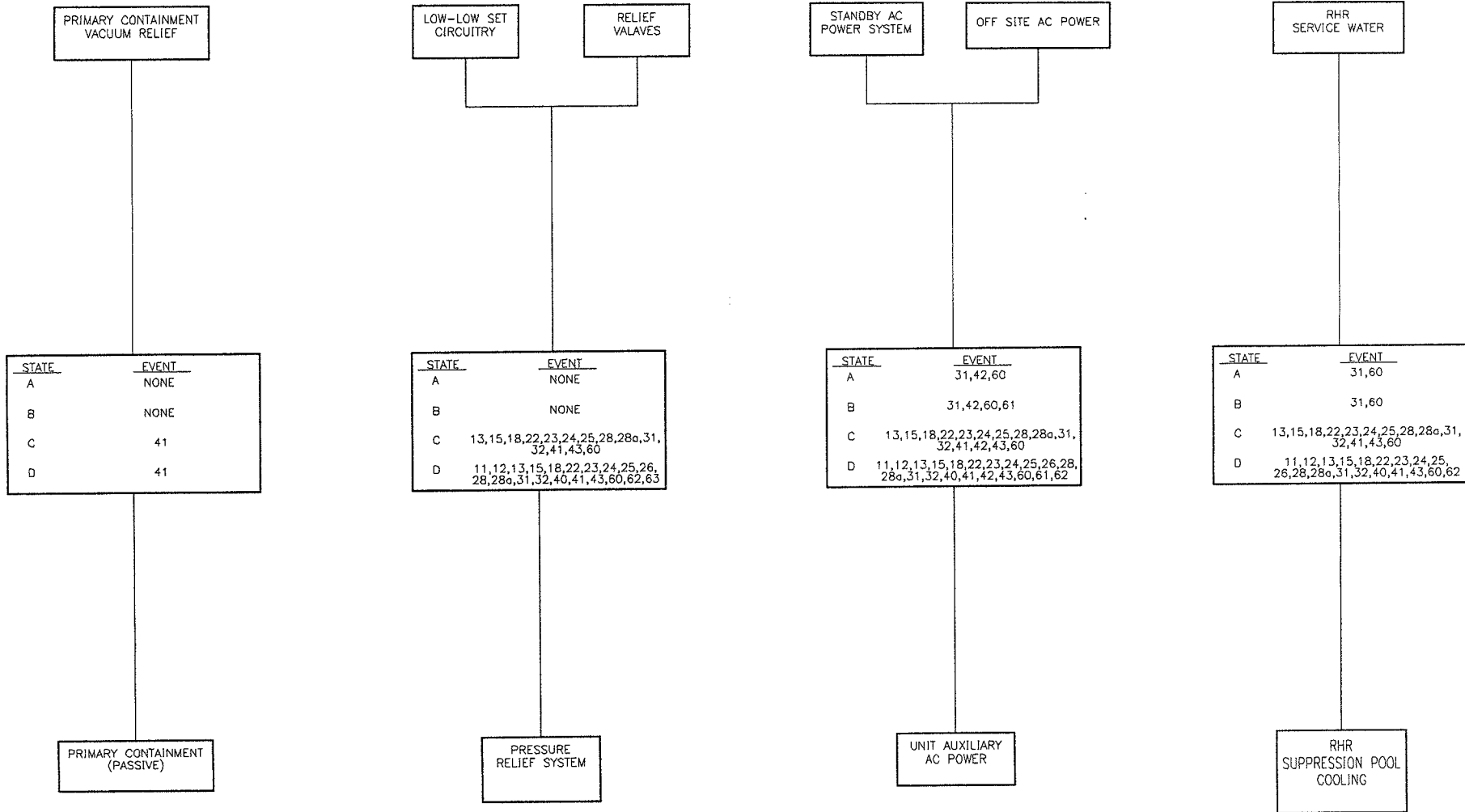
STATE	EVENT
A	NONE
B	NONE
C	13,15,18,22,23,24,25,28,28a, 31,32
D	11,12,13,15,18,22,23,24, 25,26,28,28a,31,32,40,62

RCIC

Nebraska Public Power District  
COOPER NUCLEAR STATION  
UPDATED SAFETY ANALYSIS REPORT (USAR)

COMMONALITY DIAGRAMS

FIGURE G-5-6  
8/3/00

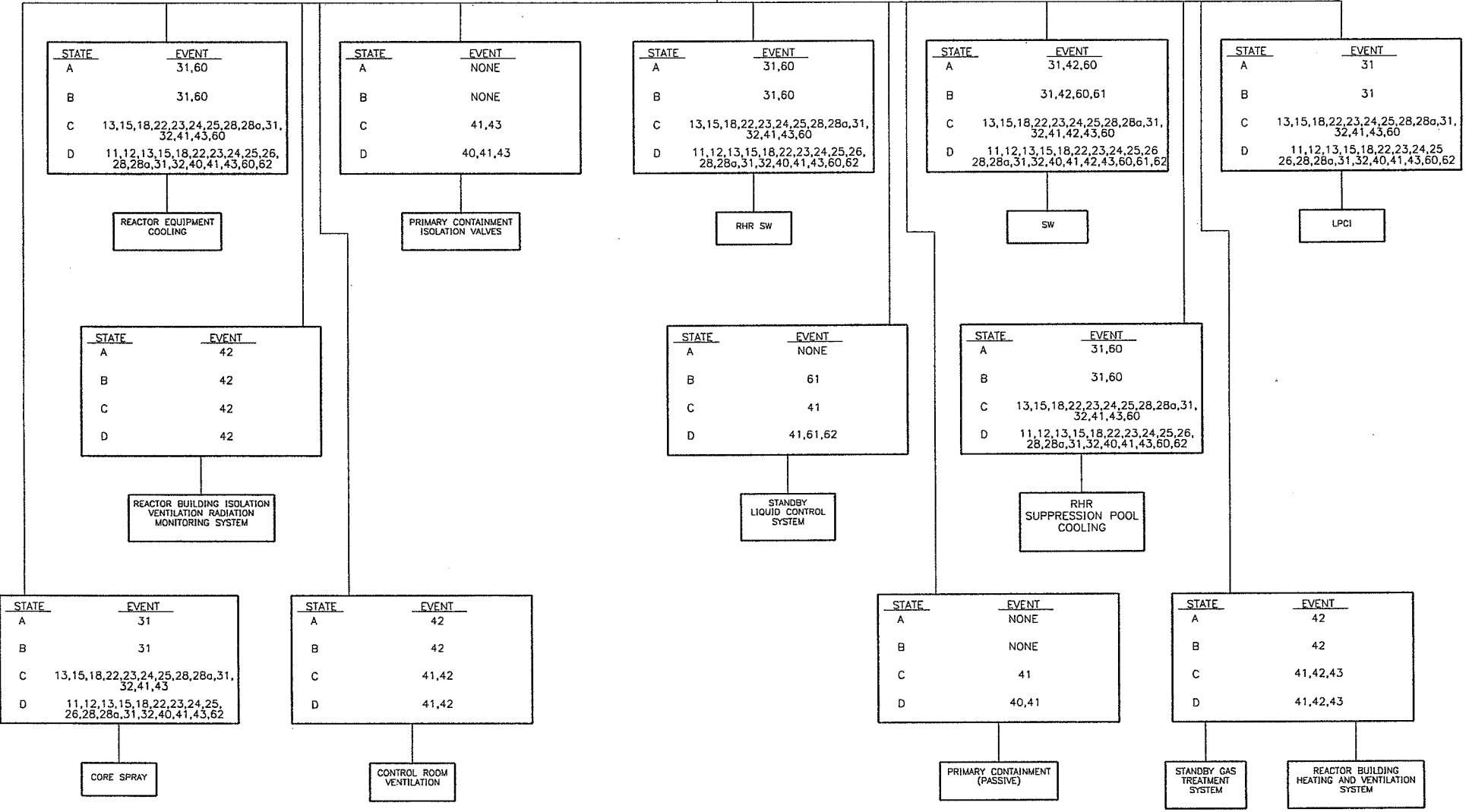


Nebraska Public Power District  
 COOPER NUCLEAR STATION  
 UPDATED SAFETY ANALYSIS REPORT (USAR)

**COMMONALITY DIAGRAMS**

FIGURE G-5-7  
 8/3/00

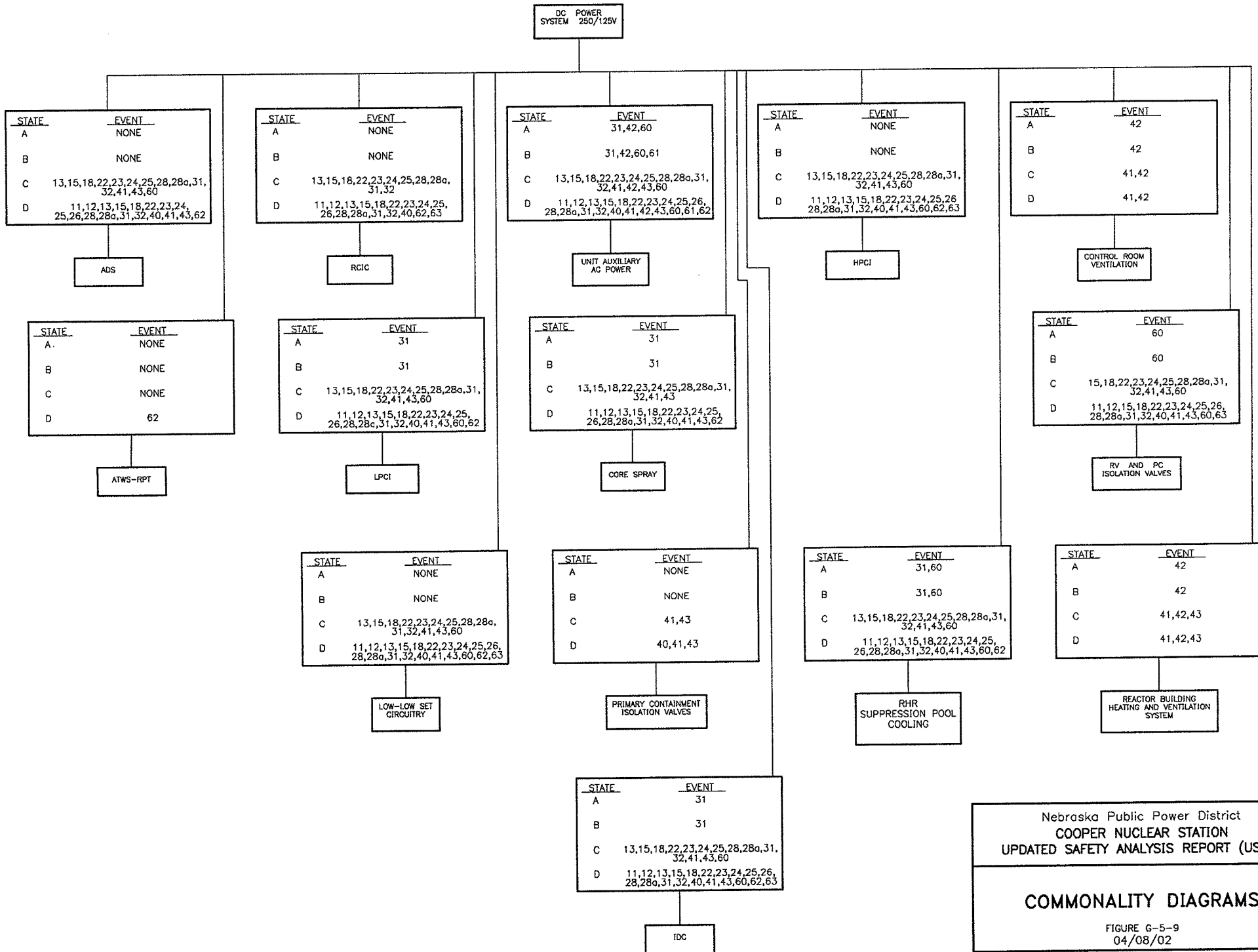
UNIT AUXILIARY  
AC POWER



Nebraska Public Power District  
COOPER NUCLEAR STATION  
UPDATED SAFETY ANALYSIS REPORT (USAR)

**COMMONALITY DIAGRAMS**

FIGURE G-5-8  
02/05/10



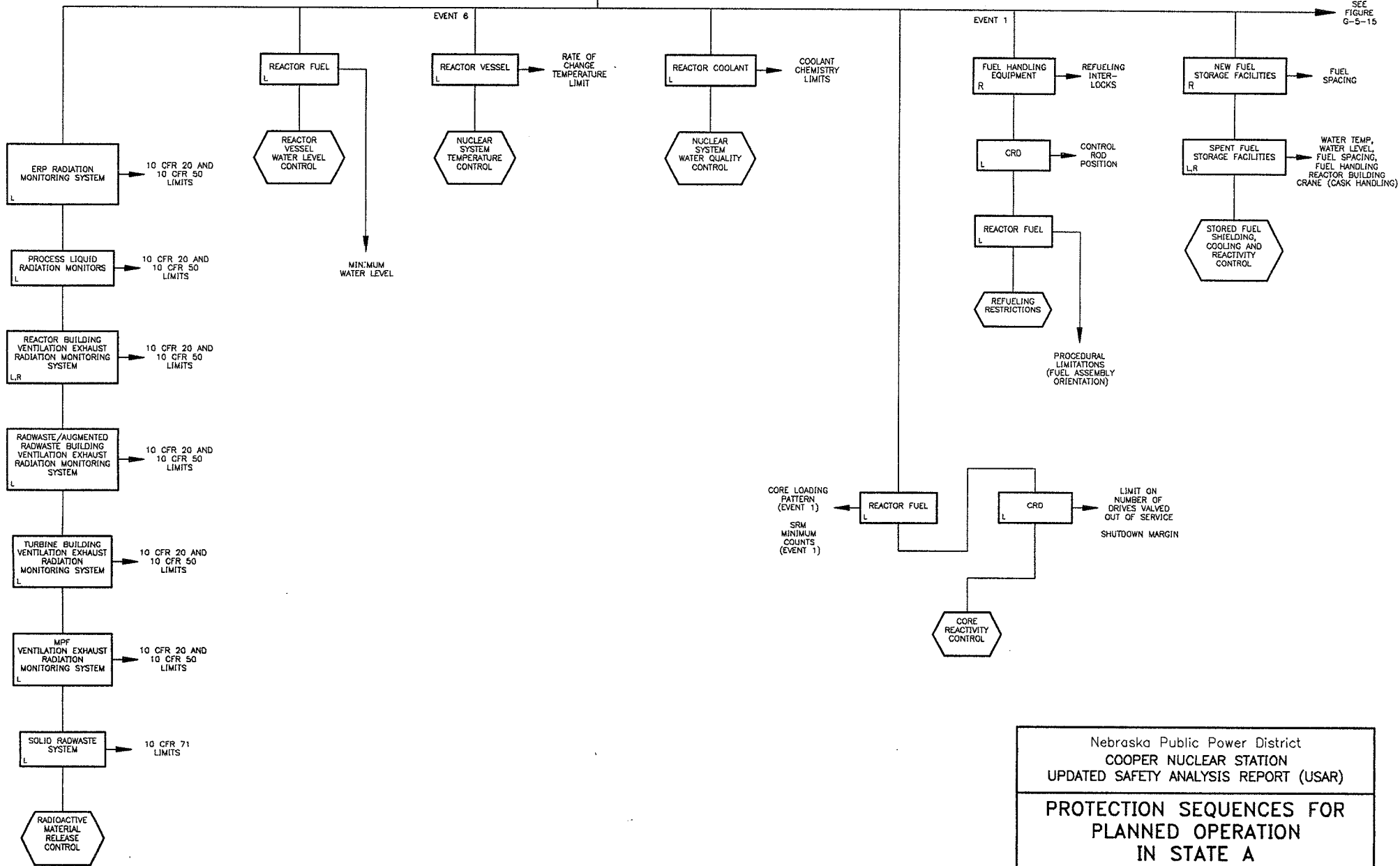


Nebraska Public Power District  
 COOPER NUCLEAR STATION  
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**COMMONALITY DIAGRAMS**

FIGURE G-5-10  
 04/08/02

EVENTS 1,2,E  
 PLANNED OPERATION STATE A



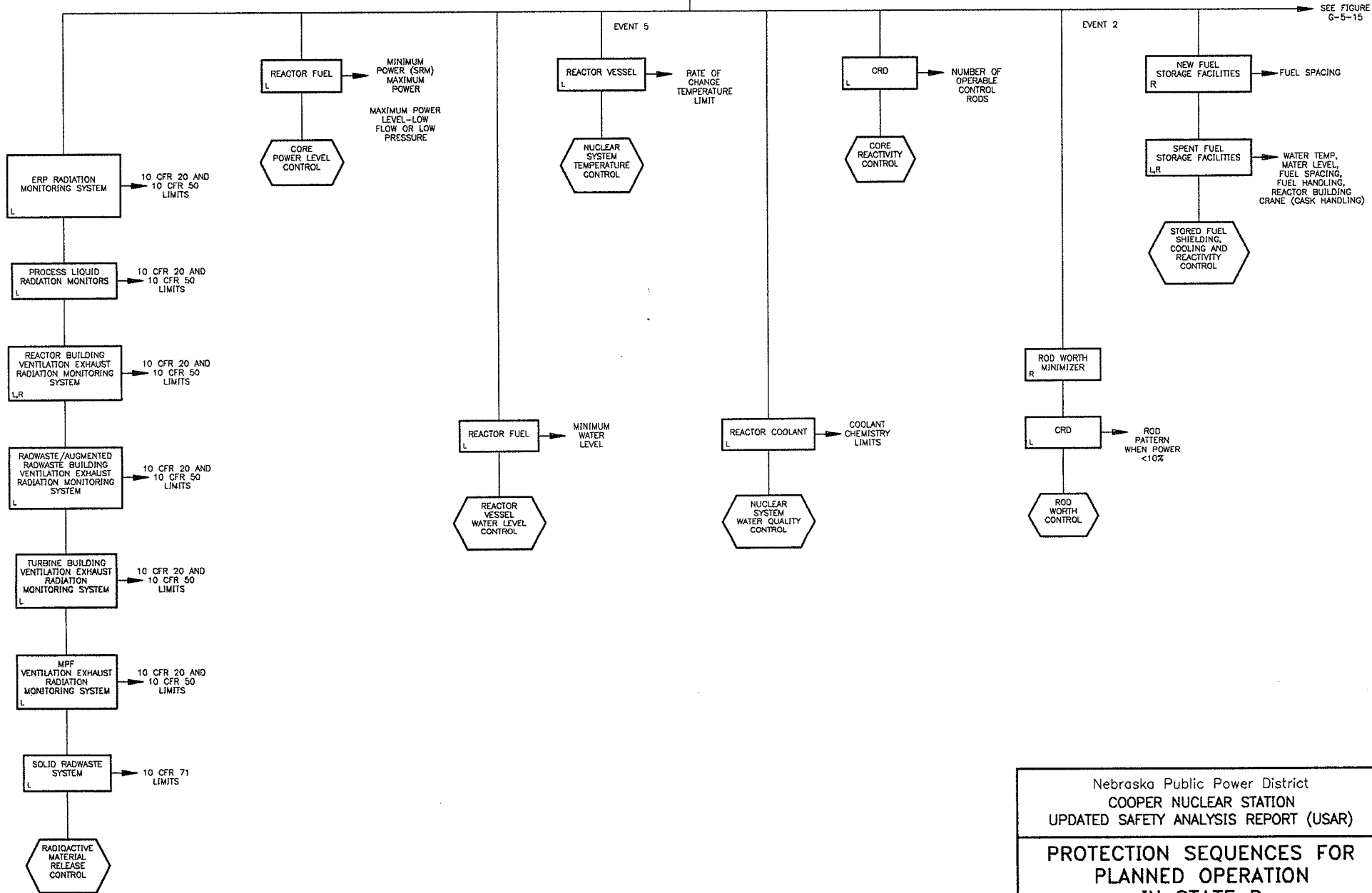
Nebraska Public Power District  
 COOPER NUCLEAR STATION  
 UPDATED SAFETY ANALYSIS REPORT (USAR)

**PROTECTION SEQUENCES FOR  
 PLANNED OPERATION  
 IN STATE A**

FIGURE G-5-11  
 2/19/01



EVENTS 2,5  
PLANNED  
OPERATION  
STATE B

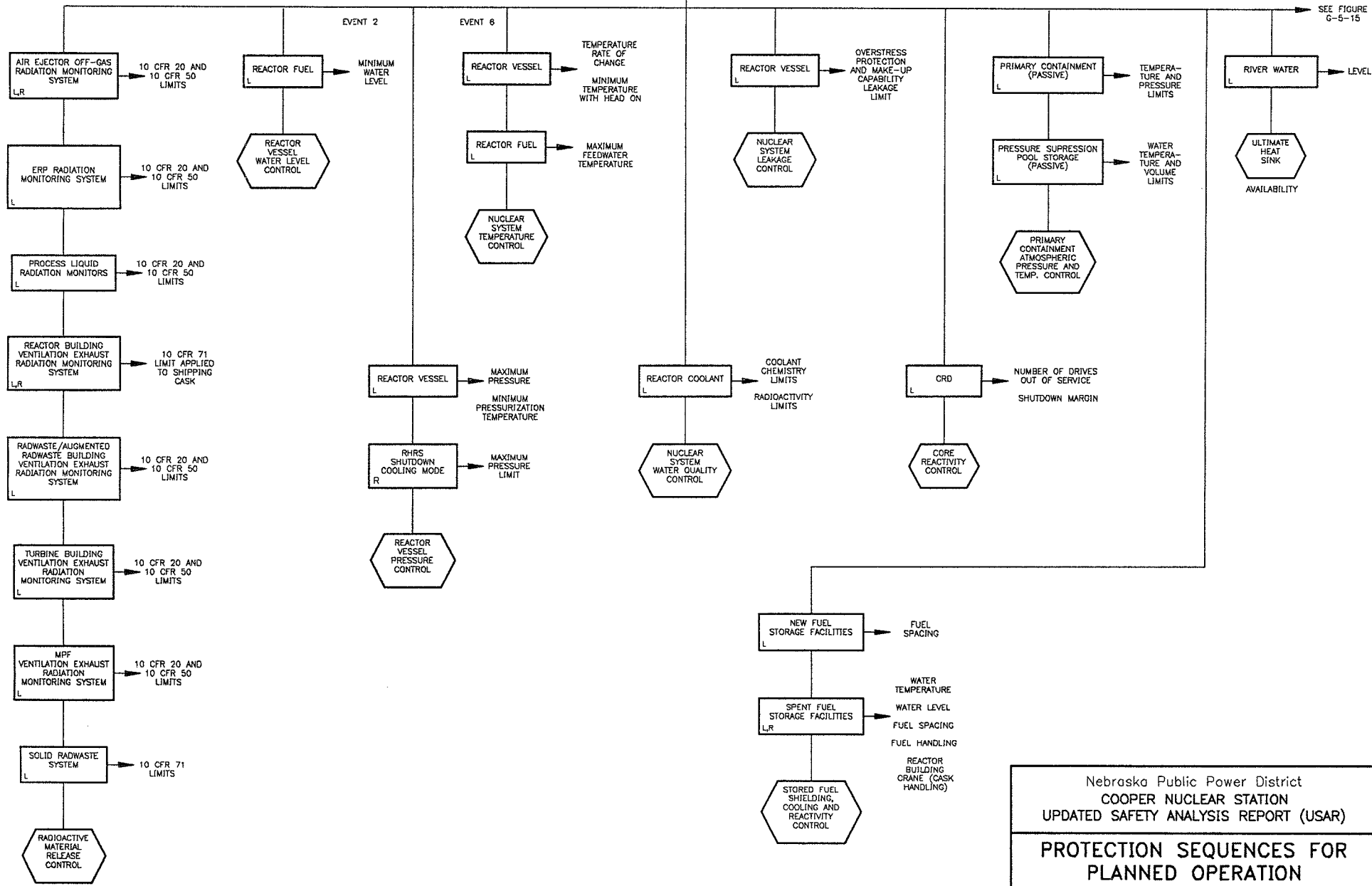


Nebraska Public Power District  
COOPER NUCLEAR STATION  
UPDATED SAFETY ANALYSIS REPORT (USAR)

**PROTECTION SEQUENCES FOR  
PLANNED OPERATION  
IN STATE B**

FIGURE G-5-12  
2/19/01

EVENTS 2,6  
PLANNED OPERATION  
STATE C



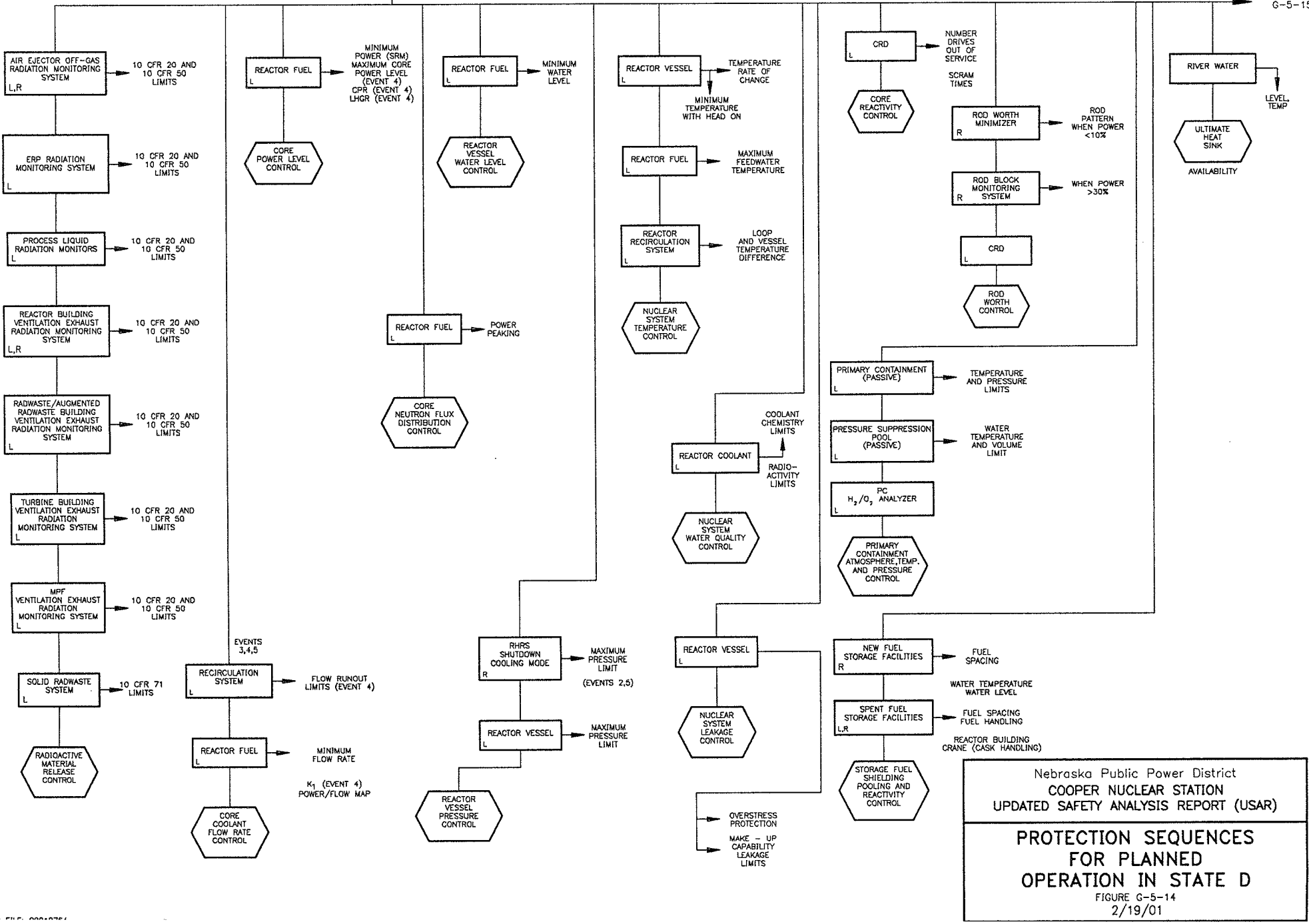
Nebraska Public Power District  
COOPER NUCLEAR STATION  
UPDATED SAFETY ANALYSIS REPORT (USAR)

**PROTECTION SEQUENCES FOR  
PLANNED OPERATION  
IN STATE C**

FIGURE G-5-13  
2/19/01

EVENTS 2,3,4,5  
PLANNED OPERATION STATE D

SEE FIGURE G-5-15

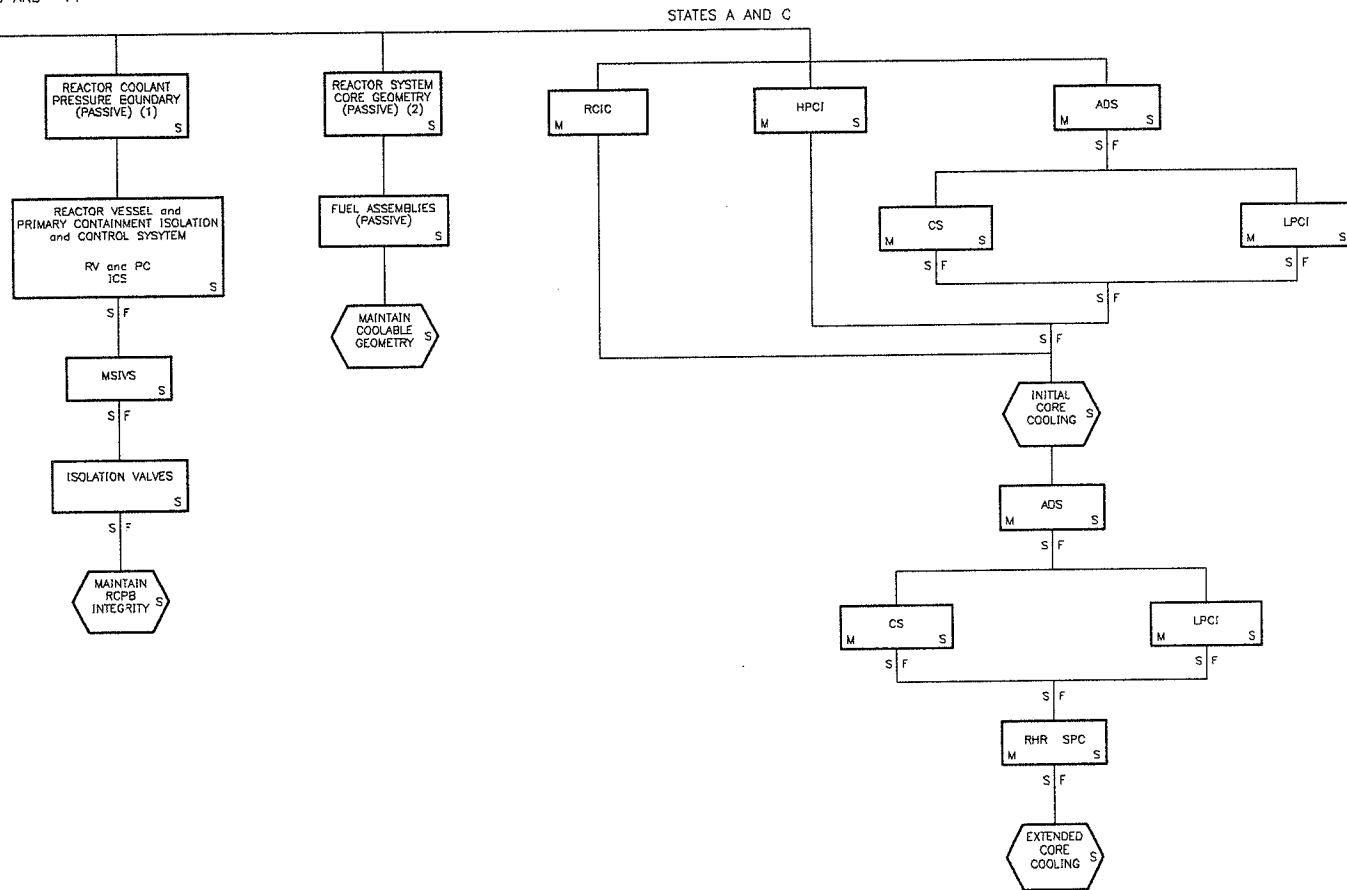


Nebraska Public Power District  
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**PROTECTION SEQUENCES  
FOR PLANNED  
OPERATION IN STATE D**

FIGURE G-5-14  
2/19/01

SEE FIGURES G-5-11, -12, -13 AND -14  
STATES A, B, C AND D



(1) RCPB:

- |                      |                      |
|----------------------|----------------------|
| 1. RPV               | 6. RWCU              |
| 2. MAIN STEAM SYSTEM | 7. CRD SYSTEM        |
| 3. RHR               | 8. SLCS              |
| 4. HPCI              | 9. FEED WATER SYSTEM |
| 5. RCIC              |                      |

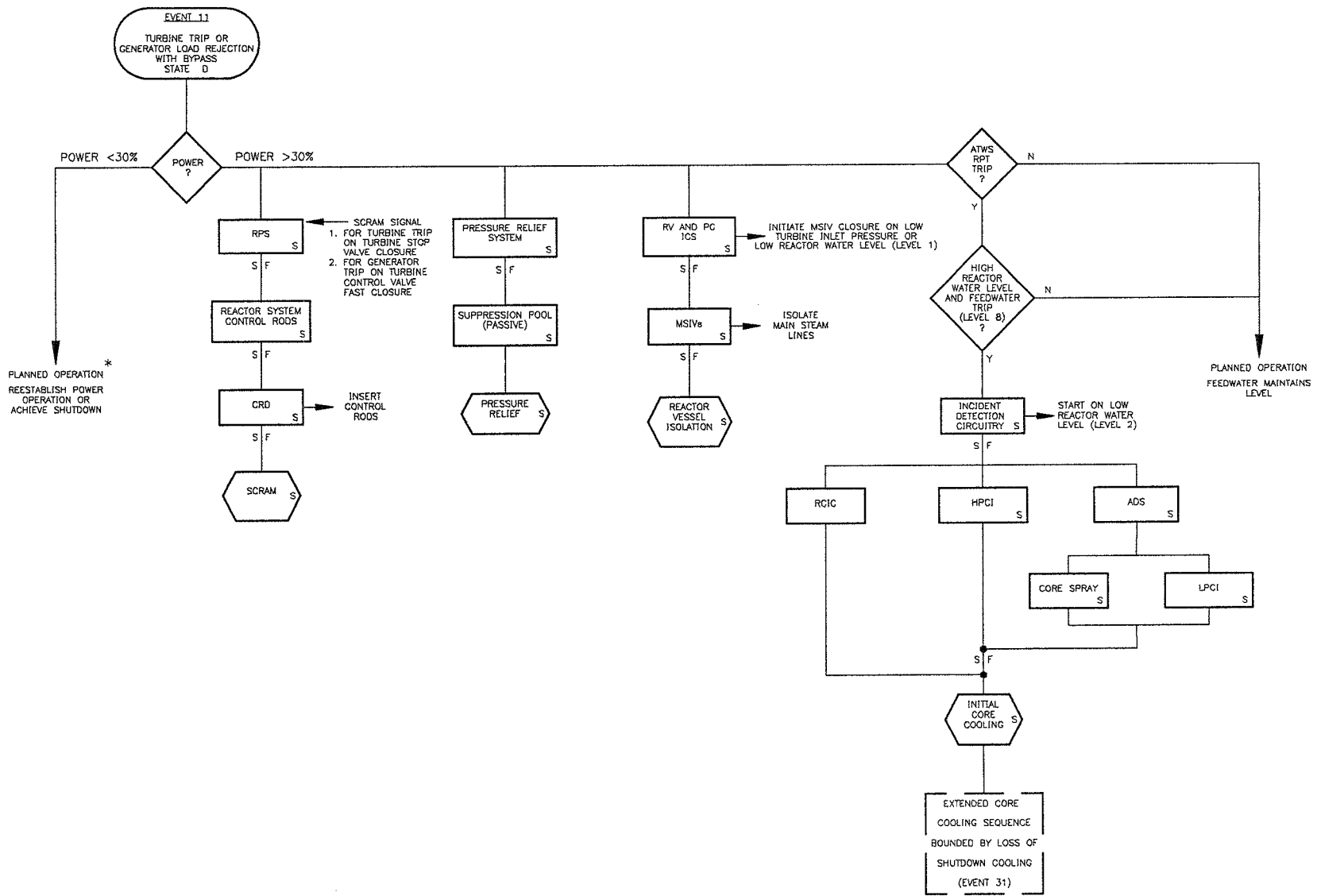
(2) CORE GEOMETRY:

1. RPV
2. CORE SUPPORT STRUCTURES
3. CORE SHROUD
4. SHROUD SUPPORT

Nebraska Public Power District  
COOPER NUCLEAR STATION  
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**PROTECTION SEQUENCES  
FOR PLANNED OPERATION  
IN STATE A, B, C & D**

FIGURE G-5-15  
8/3/00



\* BELOW ABOUT 25 PERCENT OF RATED POWER, THE BYPASS SYSTEM WILL TRANSFER STEAM AROUND THE TURBINE AND AVOID REACTOR SCRAM. BETWEEN ABOUT 25 PERCENT AND 30 PERCENT POWER, A HIGH RPV PRESSURE SCRAM WILL RESULT UNLESS OPERATOR ACTION CAN REDUCE POWER TO WITHIN THE BYPASS CAPACITY.

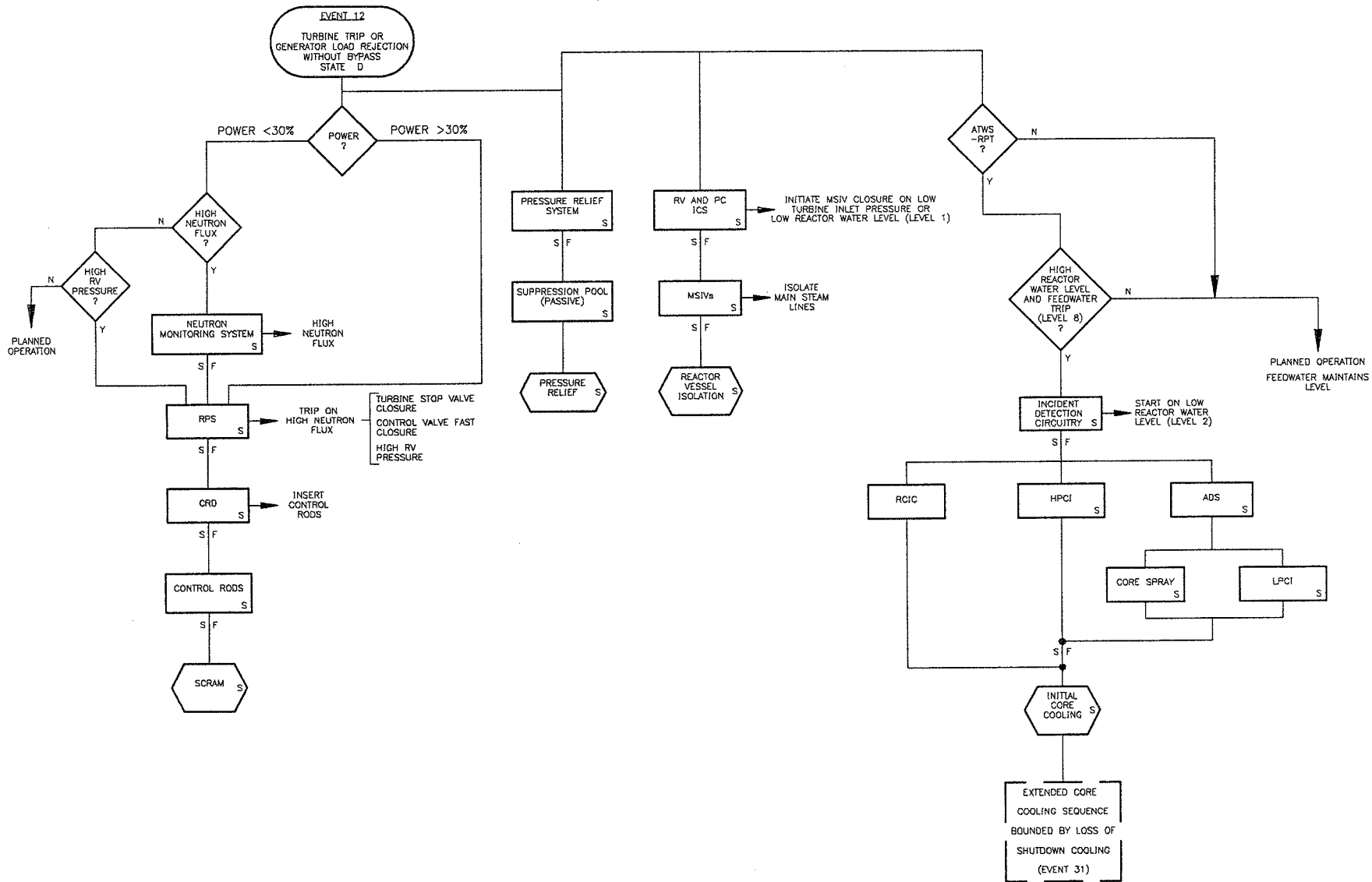
NOTE: REFER TO FIG. G-4-2 FOR DIAGRAM FORMAT.

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**PROTECTION SEQUENCES FOR  
TURBINE TRIP OR GENERATOR  
LOAD REJECTION WITH BYPASS**

FIGURE G-5-16  
8/3/00

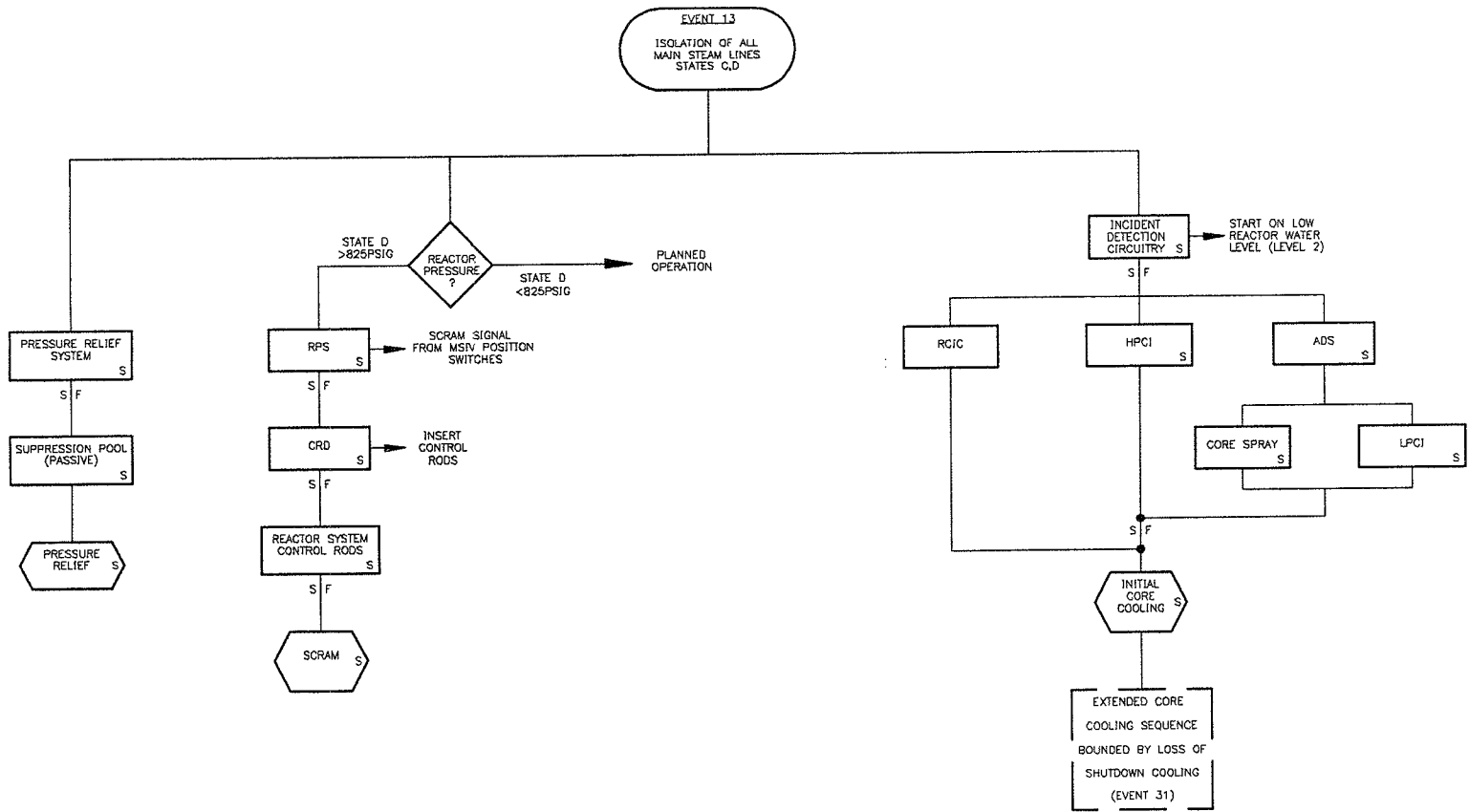


NOTE: REFER TO FIG. G-4-2 FOR DIAGRAM FORMAT.

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UPDATED SAFETY ANALYSIS REPORT (USAR)

**PROTECTION SEQUENCES FOR  
TURBINE TRIP OR GENERATOR  
LOAD REJECTION W/OUT BYPASS**

FIGURE G-5-17  
8/3/00

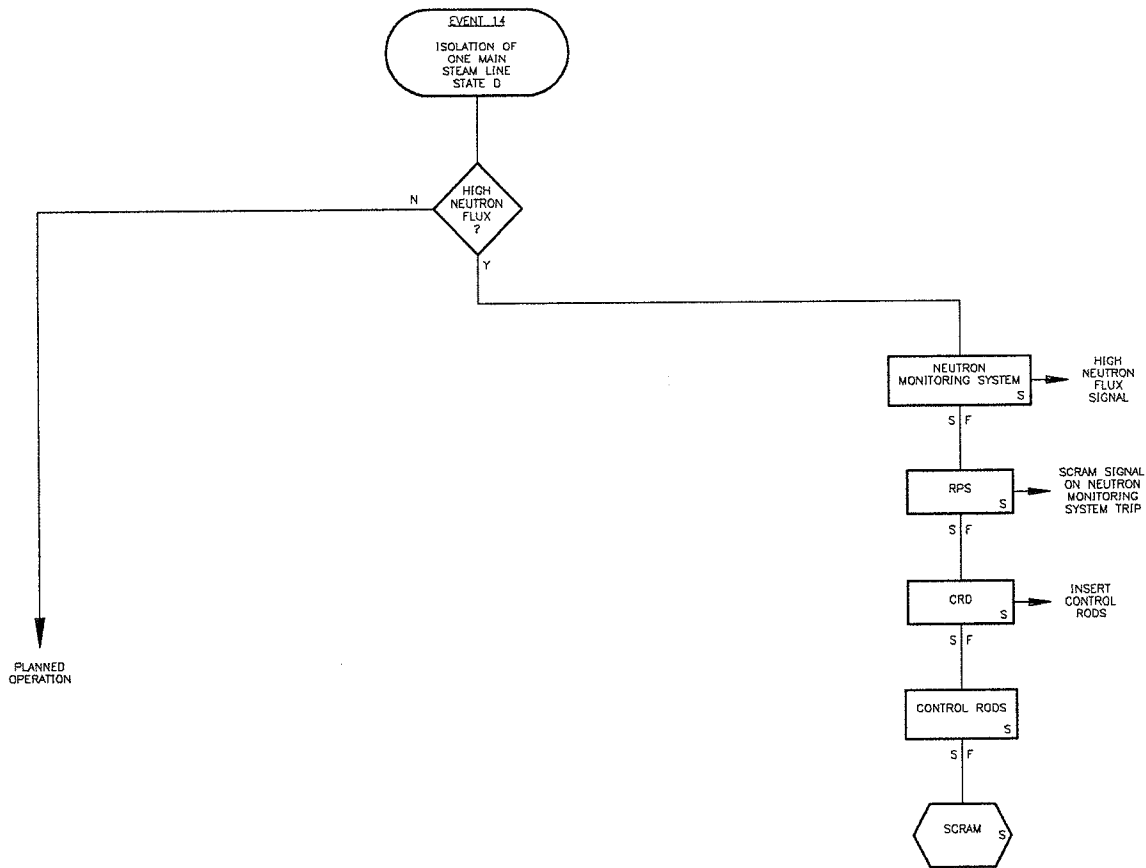


NOTE: REFER TO FIG. G-4-2 FOR DIAGRAM FORMAT.

Nebraska Public Power District  
COOPER NUCLEAR STATION  
UPDATED SAFETY ANALYSIS REPORT (USAR)

**PROTECTION SEQUENCES FOR  
ISOLATION OF ALL  
MAIN STEAM LINES**

FIGURE G-5-18  
8/3/00



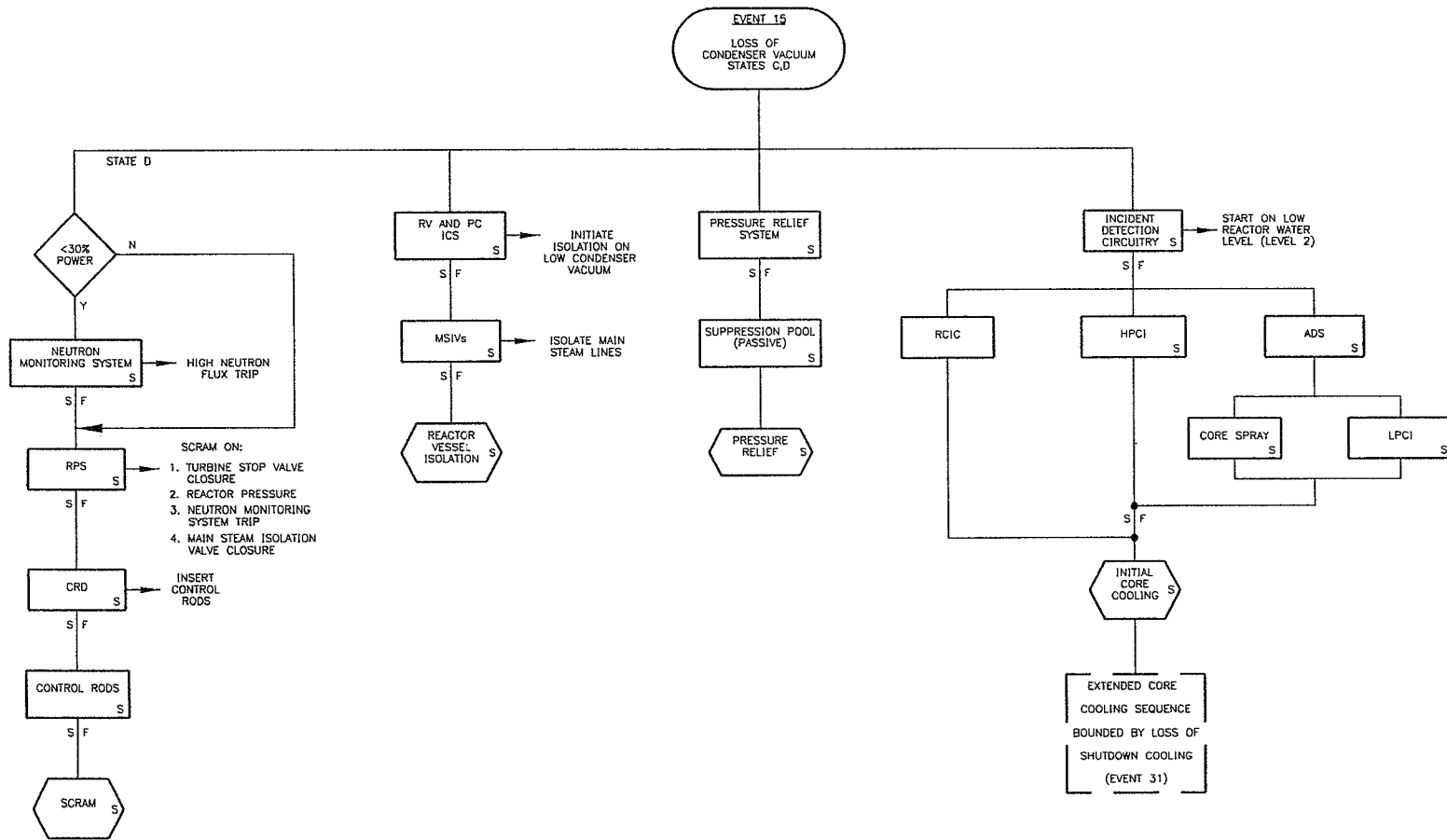
NOTE: REFER TO FIG. G-4-2 FOR DIAGRAM FORMAT.

Nebraska Public Power District  
 COOPER NUCLEAR STATION  
 UPDATED SAFETY ANALYSIS REPORT (USAR)

**PROTECTION SEQUENCES FOR  
 ISOLATION OF ONE  
 MAIN STEAM LINE**

FIGURE G-5-19  
 8/3/00



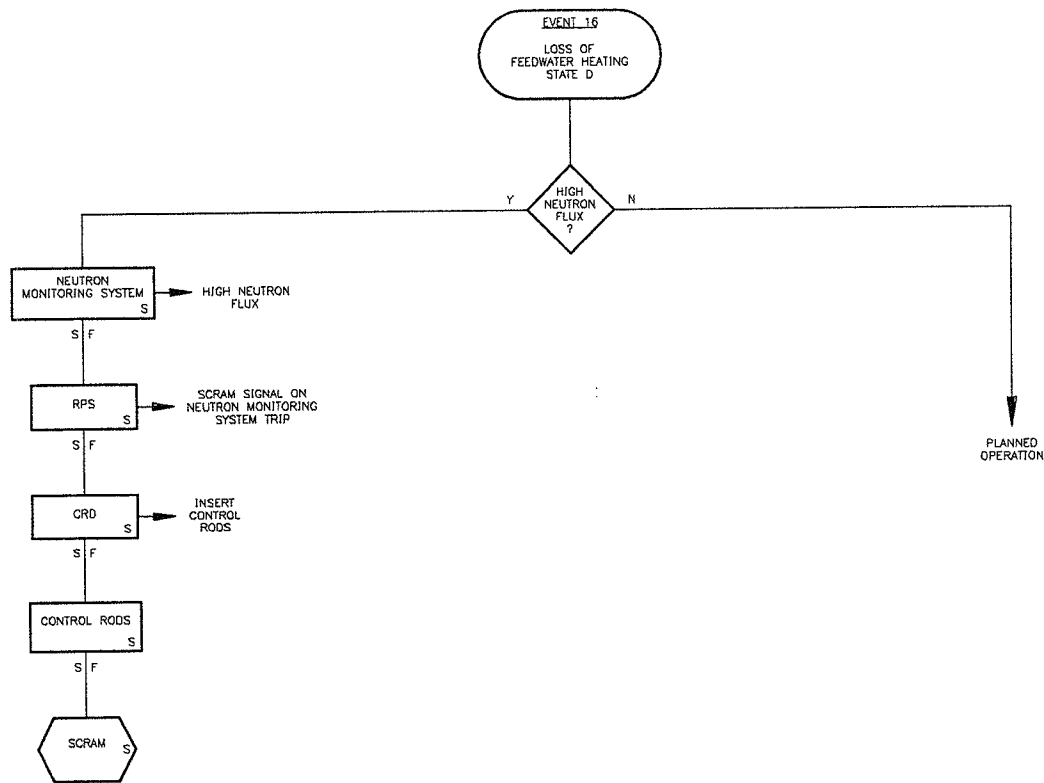


NOTE: REFER TO FIG. G-4-2 FOR DIAGRAM FORMAT.

Nebraska Public Power District  
COOPER NUCLEAR STATION  
UPDATED SAFETY ANALYSIS REPORT (USAR)

**PROTECTION SEQUENCES  
FOR LOSS OF  
CONDENSER VACUUM**

FIGURE G-5-20  
8/28/08

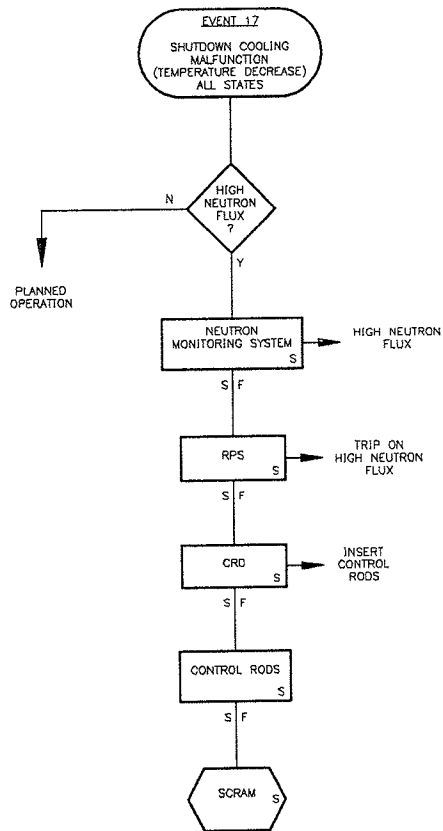


NOTE: REFER TO FIG. G-4-2 FOR DIAGRAM FORMAT.

Nebraska Public Power District  
 COOPER NUCLEAR STATION  
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**PROTECTION SEQUENCES  
 FOR LOSS OF  
 FEEDWATER HEATING**

FIGURE G-5-21  
 8/3/00

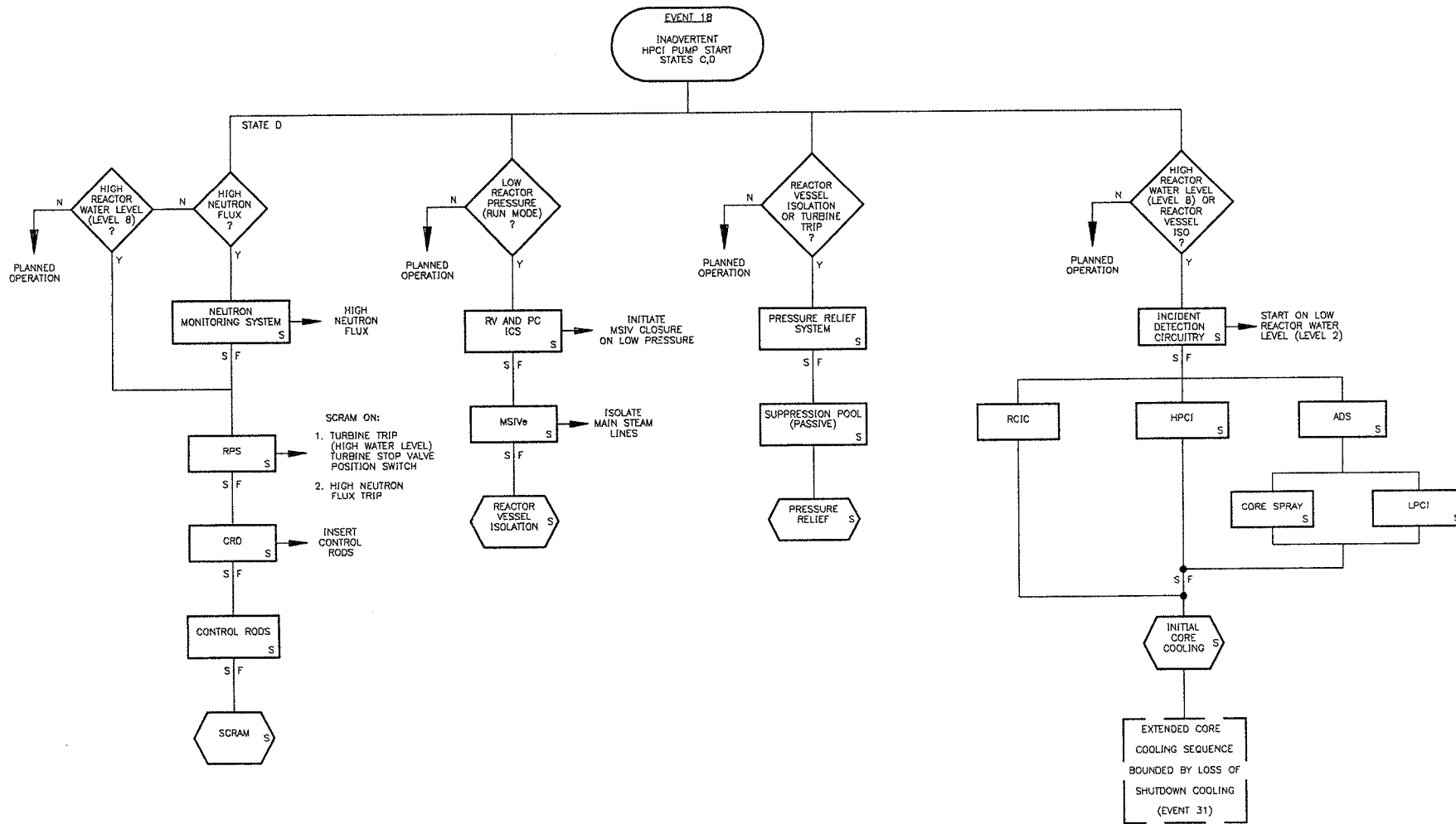


NOTE: REFER TO FIG. G-4-2 FOR DIAGRAM FORMAT.

Nebraska Public Power District  
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**PROTECTION SEQUENCES FOR  
SHUTDOWN COOLING (RHRS)  
MALFUNCTION - TEMP DECREASE**

FIGURE G-5-22  
8/3/00

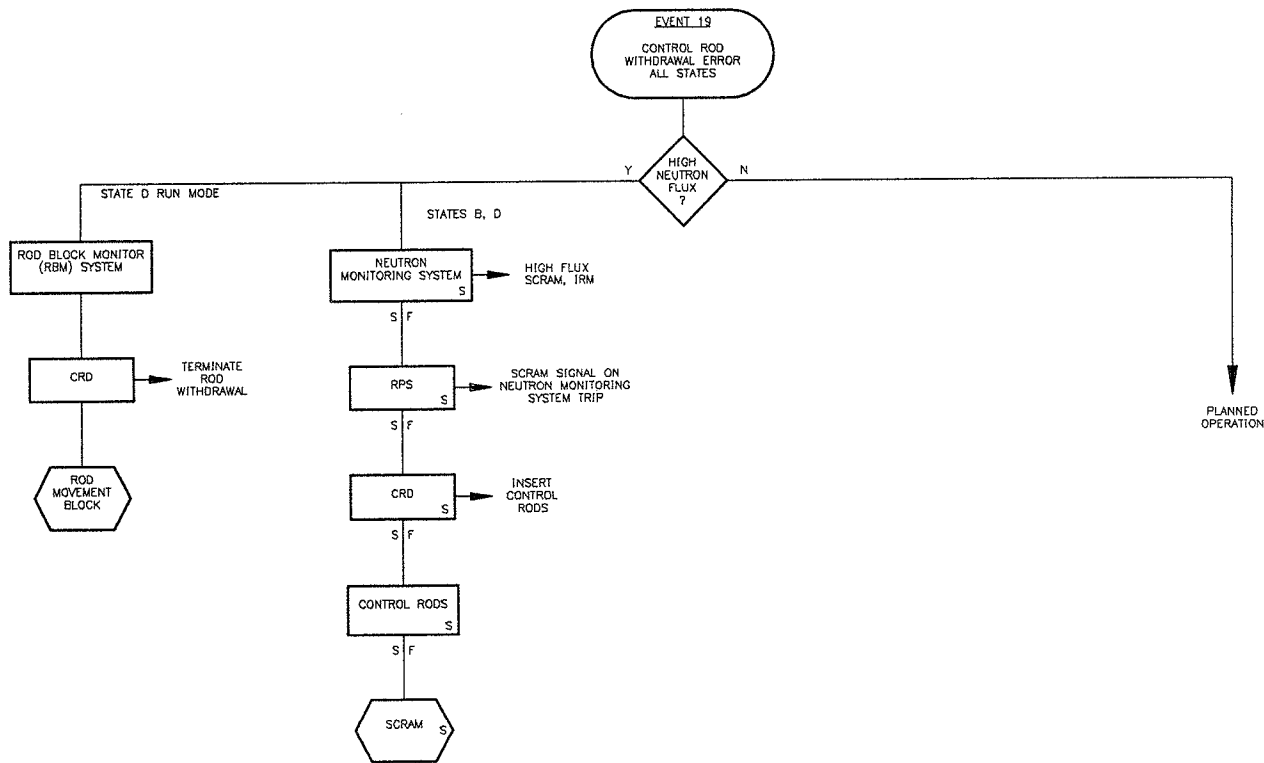


NOTE: REFER TO FIG. G-4-2 FOR DIAGRAM FORMAT.

Nebraska Public Power District  
COOPER NUCLEAR STATION  
UPDATED SAFETY ANALYSIS REPORT (USAR)

PROTECTION SEQUENCES FOR  
INADVERTENT HPCI  
PUMP START

FIGURE G-5-23  
8/3/00

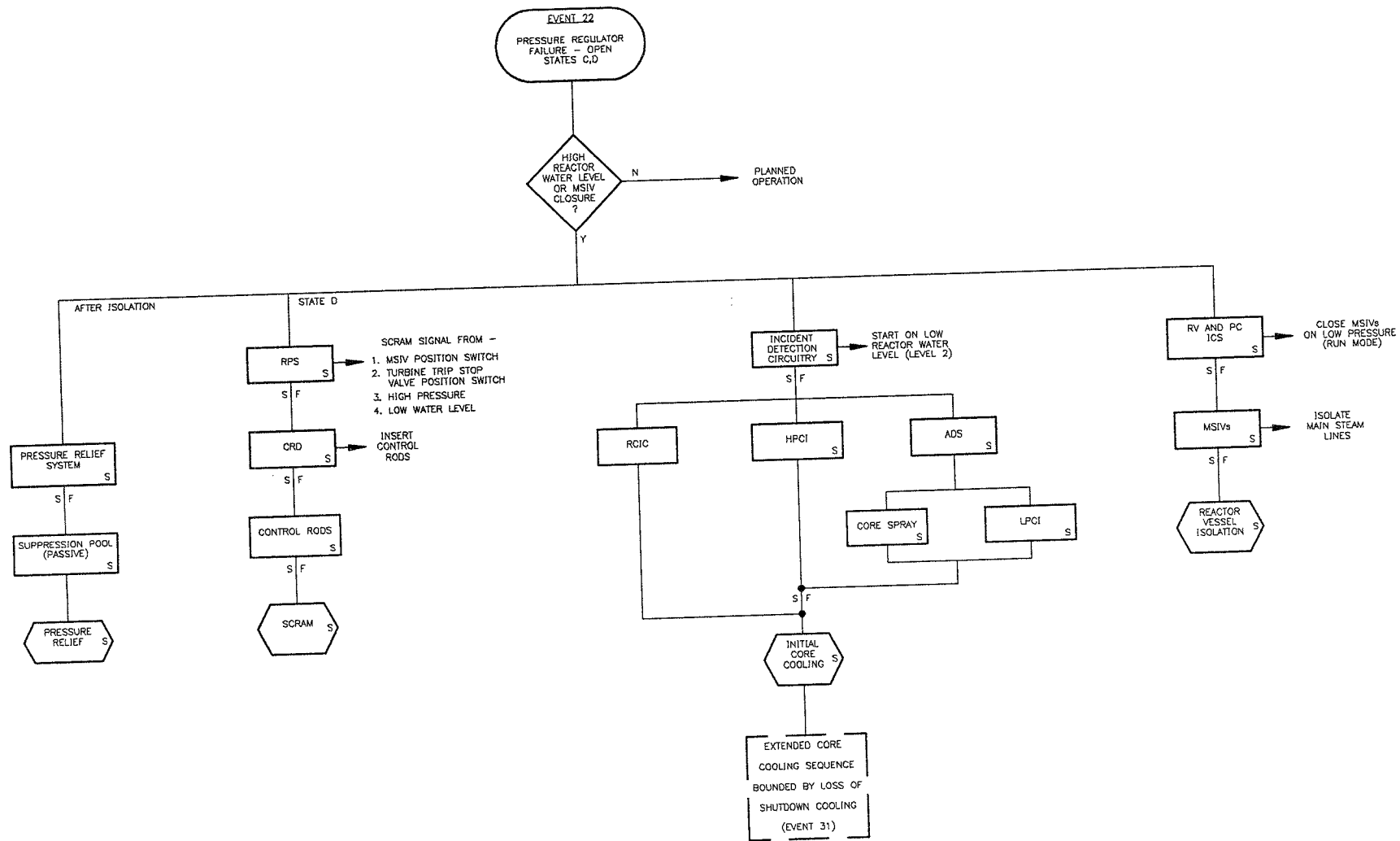


NOTE: REFER TO FIG. G-4-2 FOR DIAGRAM FORMAT.

Nebraska Public Power District  
COOPER NUCLEAR STATION  
UPDATED SAFETY ANALYSIS REPORT (USAR)

**PROTECTION SEQUENCES FOR  
CONTROL ROD  
WITHDRAWAL ERROR**

FIGURE G-5-24  
8/3/00

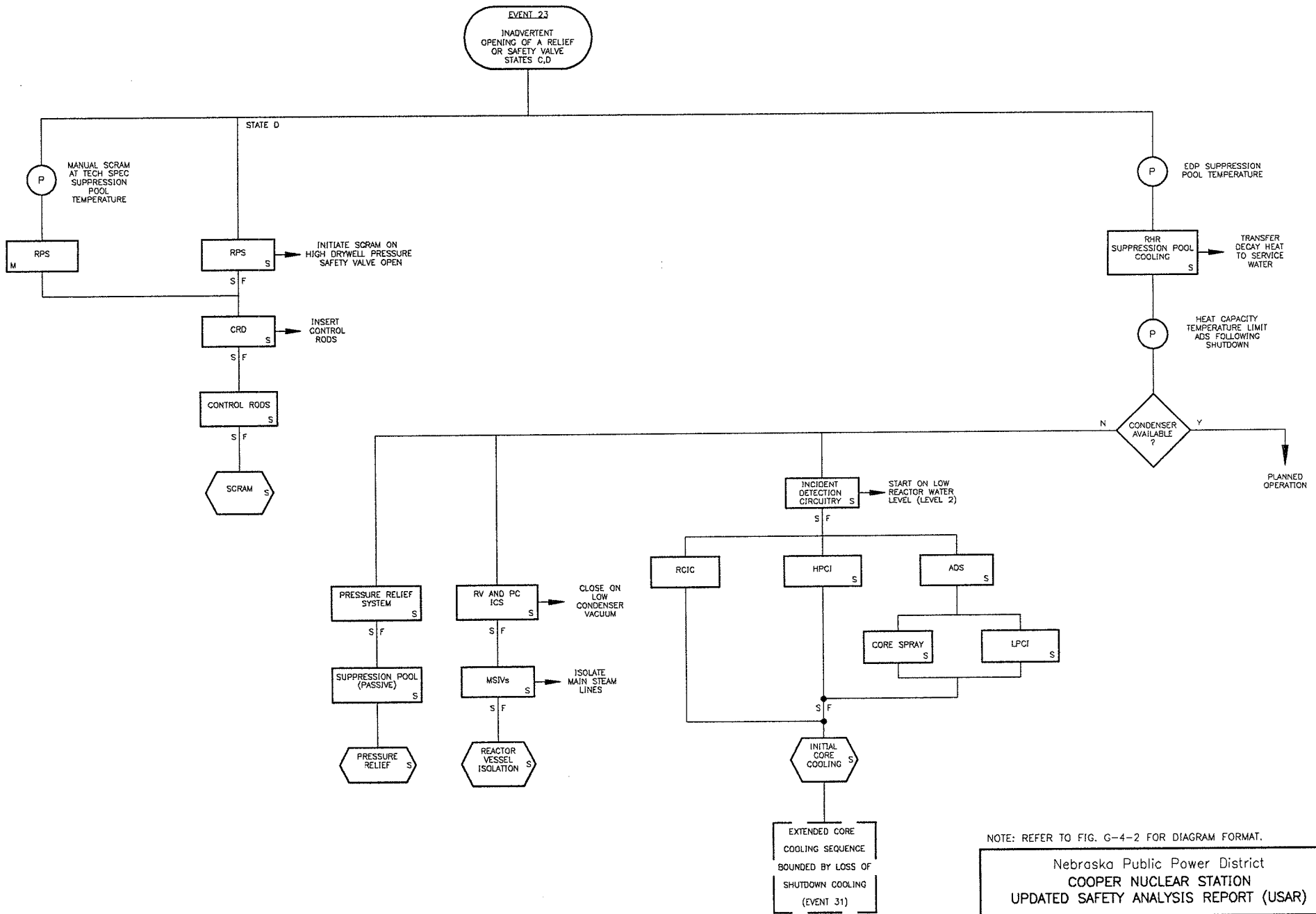


NOTE: REFER TO FIG. G-4-2 FOR DIAGRAM FORMAT.

Nebraska Public Power District  
COOPER NUCLEAR STATION  
UPDATED SAFETY ANALYSIS REPORT (USAR)

**PROTECTION SEQUENCES FOR  
PRESSURE REGULATOR  
FAILURE - OPEN**

FIGURE G-5-25  
8/3/00

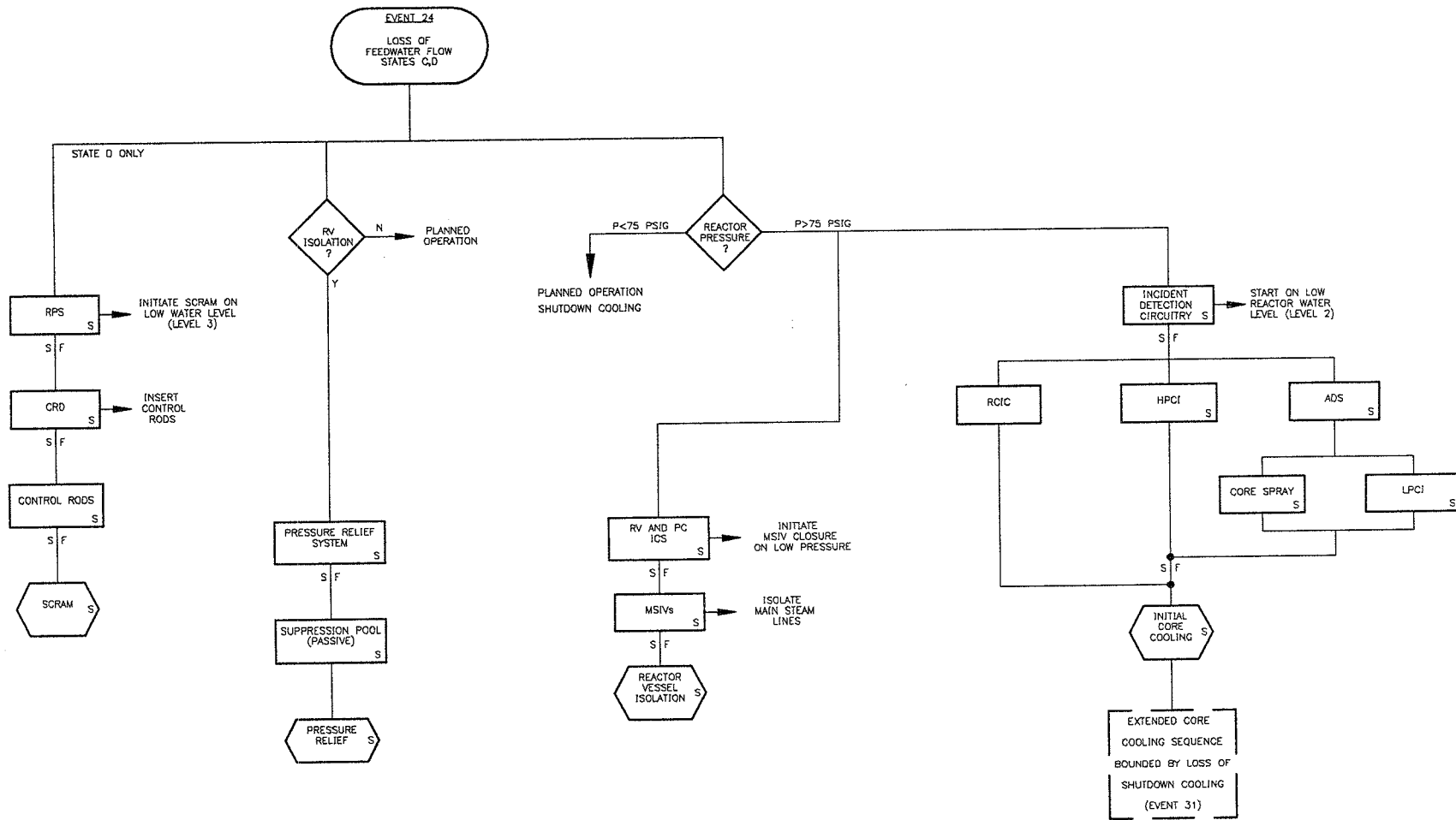


NOTE: REFER TO FIG. G-4-2 FOR DIAGRAM FORMAT.

Nebraska Public Power District  
COOPER NUCLEAR STATION  
UPDATED SAFETY ANALYSIS REPORT (USAR)

**PROTECTION SEQUENCES FOR  
INADVERTENT OPENING  
OF A SAFETY OR RELIEF VALVE**

FIGURE G-5-26  
8/3/00



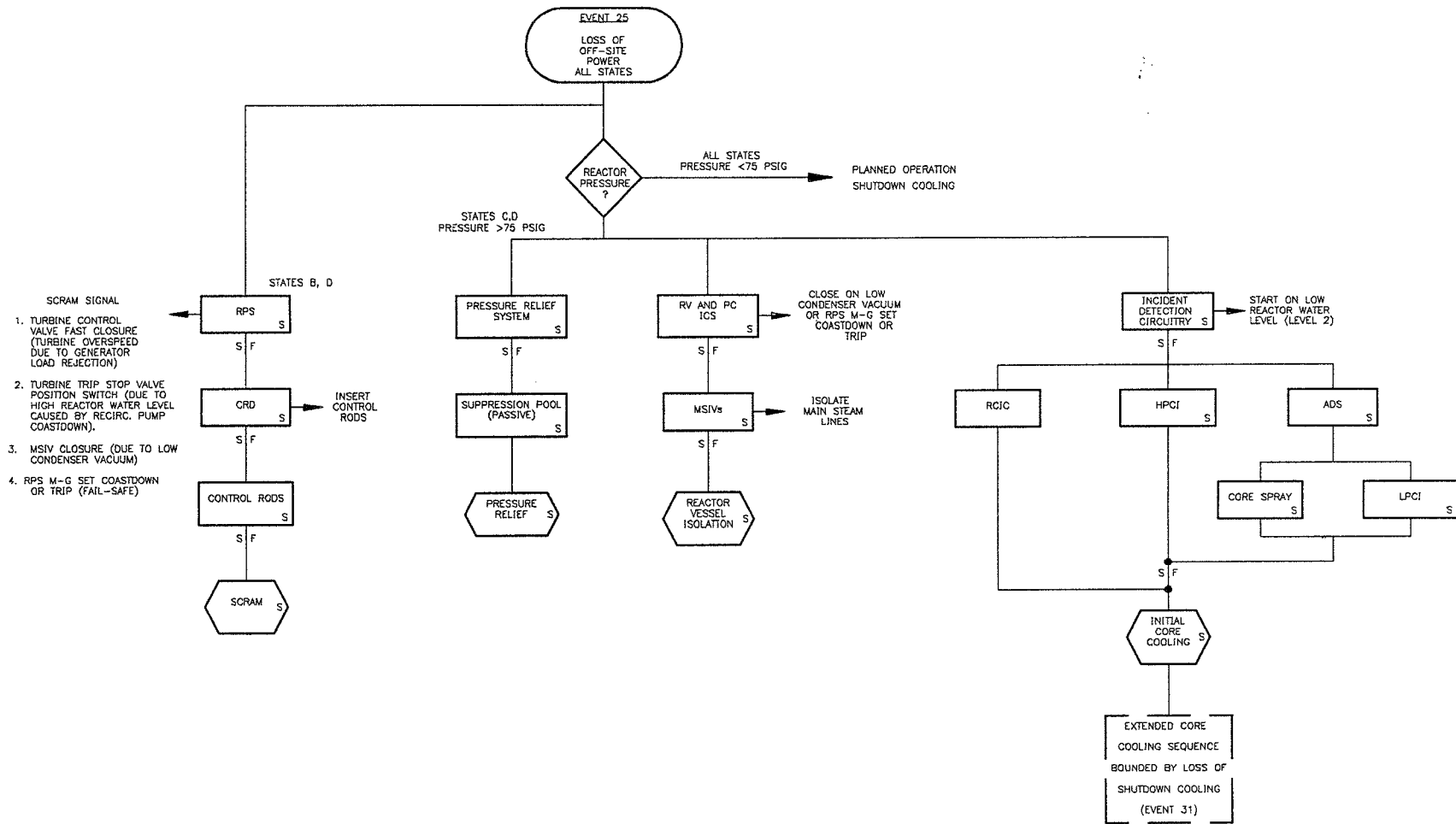
NOTE: REFER TO FIG. G-4-2 FOR DIAGRAM FORMAT.

Nebraska Public Power District  
COOPER NUCLEAR STATION  
UPDATED SAFETY ANALYSIS REPORT (USAR)

**PROTECTION SEQUENCES FOR  
LOSS OF FEEDWATER FLOW**

FIGURE G-5-27  
8/3/00



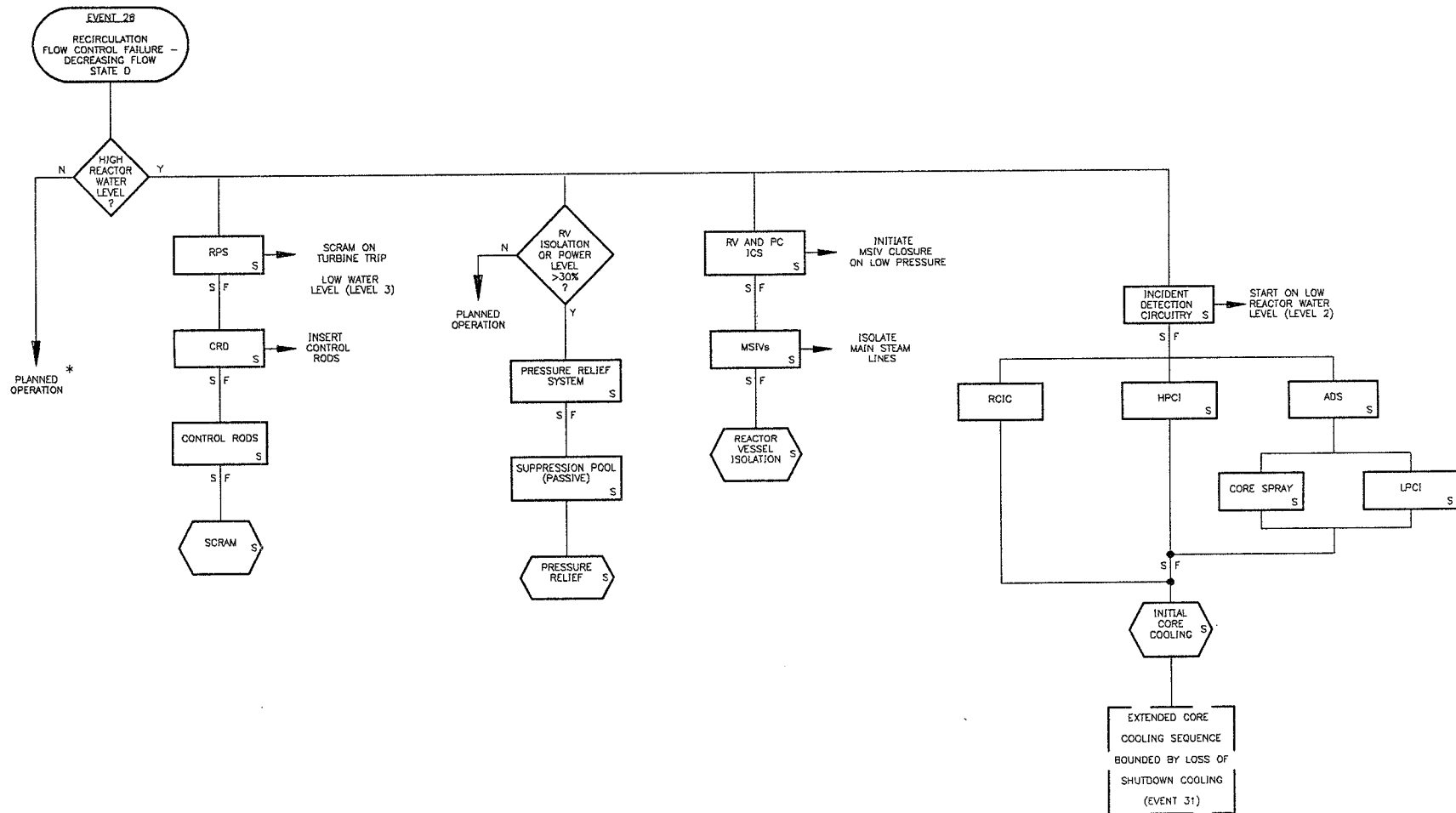


NOTE: REFER TO FIG. G-4-2 FOR DIAGRAM FORMAT.

Nebraska Public Power District  
COOPER NUCLEAR STATION  
UPDATED SAFETY ANALYSIS REPORT (USAR)

**PROTECTION SEQUENCES FOR  
LOSS OF OFF-SITE POWER**

FIGURE G-5-28  
8/3/00



\* BELOW ABOUT 25 PERCENT OF RATED POWER, THE BYPASS SYSTEM WILL TRANSFER STEAM AROUND THE TURBINE AND AVOID REACTOR SCRAM. BETWEEN ABOUT 25 PERCENT AND 30 PERCENT POWER, A HIGH RPV PRESSURE SCRAM WILL RESULT UNLESS OPERATOR ACTION CAN REDUCE POWER TO WITHIN THE BYPASS CAPACITY.

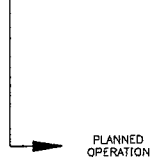
NOTE: REFER TO FIG. G-4-2 FOR DIAGRAM FORMAT.

Nebraska Public Power District  
COOPER NUCLEAR STATION  
UPDATED SAFETY ANALYSIS REPORT (USAR)

**PROTECTION SEQUENCES FOR  
RECIRCULATION FLOW  
CONTROLLER FAILURE -  
DECREASING FLOW**

FIGURE G-5-29  
8/3/00

EVENT 27  
TRIP OF ONE  
RECIRCULATION  
PUMP  
STATES G,D

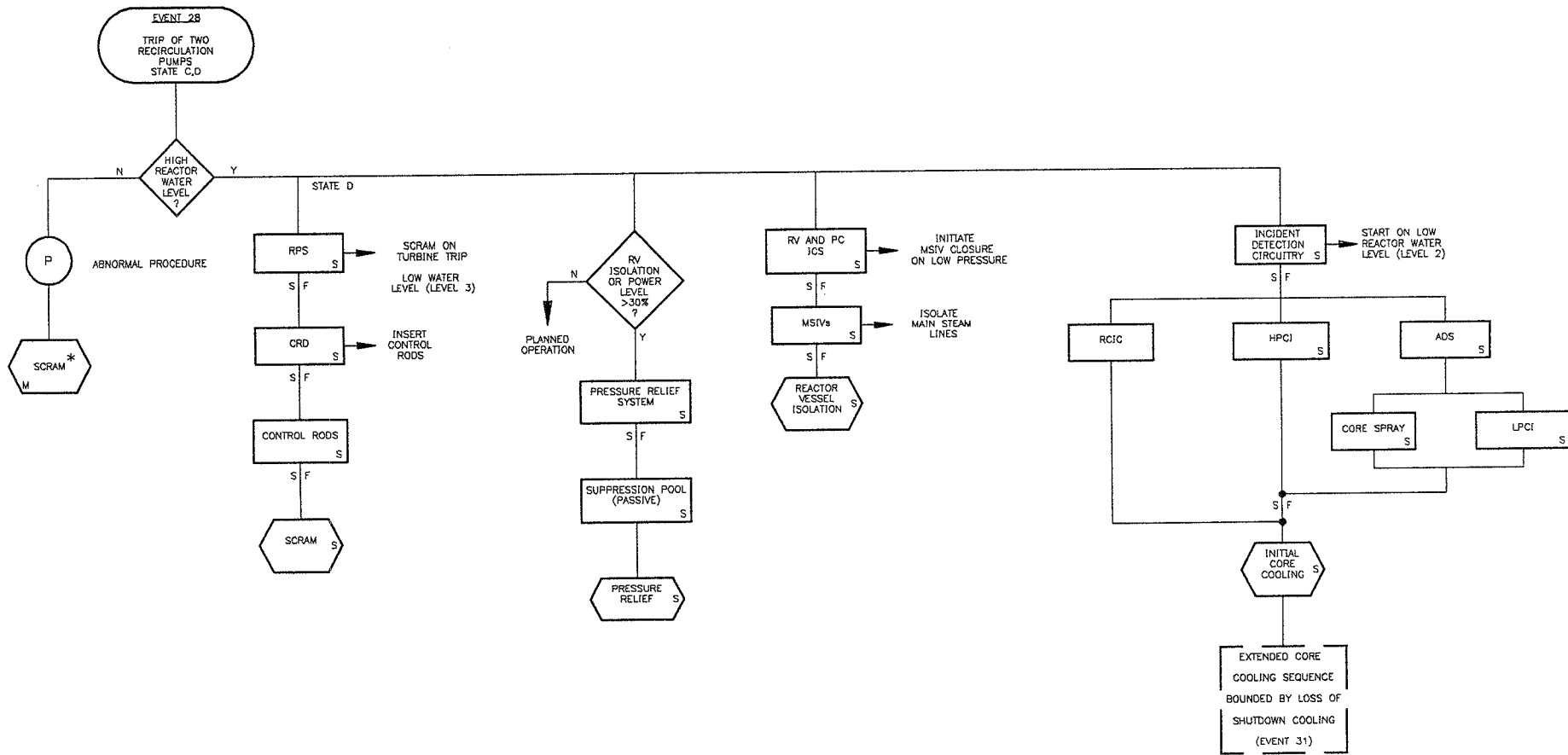


NOTE: REFER TO FIG. G-4-2 FOR DIAGRAM FORMAT.

Nebraska Public Power District  
COOPER NUCLEAR STATION  
UPDATED SAFETY ANALYSIS REPORT (USAR)

PROTECTION SEQUENCES FOR  
TRIP OF ONE  
RECIRCULATION PUMP

FIGURE G-5-30  
8/3/00



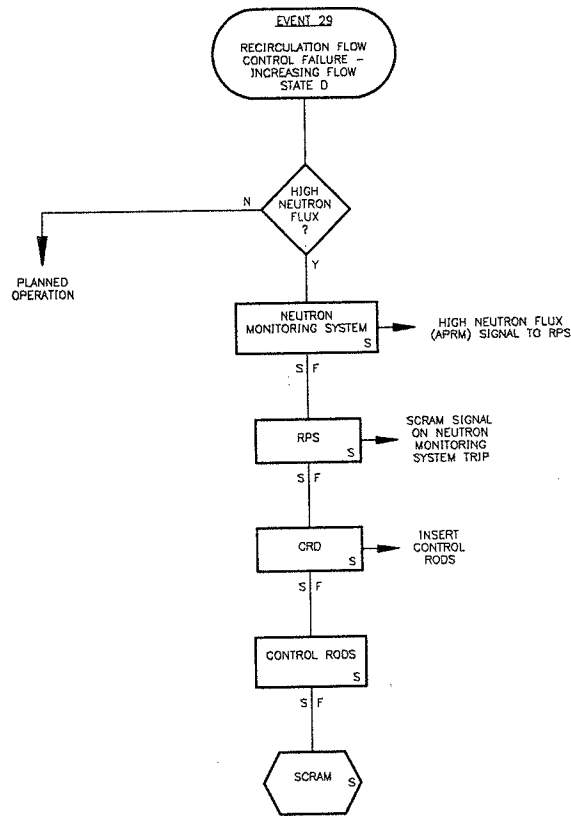
\* THE ANALYSIS ASSUMES BELOW ABOUT 25 PERCENT OF RATED POWER, THE BYPASS SYSTEM WILL TRANSFER STEAM AROUND THE TURBINE AND AVOID REACTOR SCRAM. BETWEEN ABOUT 25 PERCENT AND 30 PERCENT POWER, A HIGH RPV PRESSURE SCRAM WILL RESULT UNLESS OPERATOR ACTION CAN REDUCE POWER TO WITHIN THE BYPASS CAPACITY HOWEVER, THE ABNORMAL PROCEDURE REQUIRES THE OPERATOR TO INITIATE A MANUAL SCRAM.

NOTE: REFER TO FIG. G-4-2 FOR DIAGRAM FORMAT.

Nebraska Public Power District  
COOPER NUCLEAR STATION  
UPDATED SAFETY ANALYSIS REPORT (USAR)

PROTECTION SEQUENCES FOR  
TRIP OF TWO  
RECIRCULATION PUMPS

FIGURE G-5-31  
8/3/00

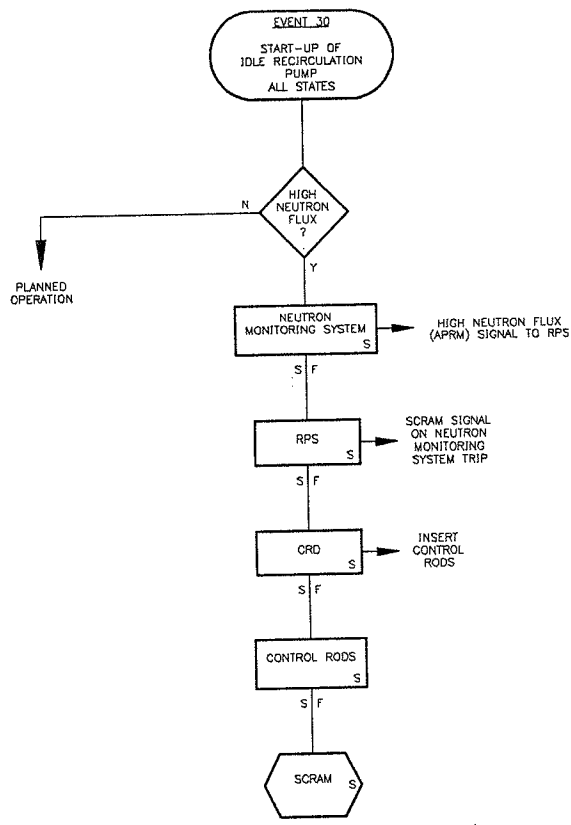


NOTE: REFER TO FIG. G-4-2 FOR DIAGRAM FORMAT.

Nebraska Public Power District  
 COOPER NUCLEAR STATION  
 UPDATED SAFETY ANALYSIS REPORT (USAR)

**PROTECTION SEQUENCES FOR  
 RECIRCULATION FLOW  
 CONTROLLER FAILURE-  
 INCREASING FLOW**

FIGURE G-5-32  
 8/3/00



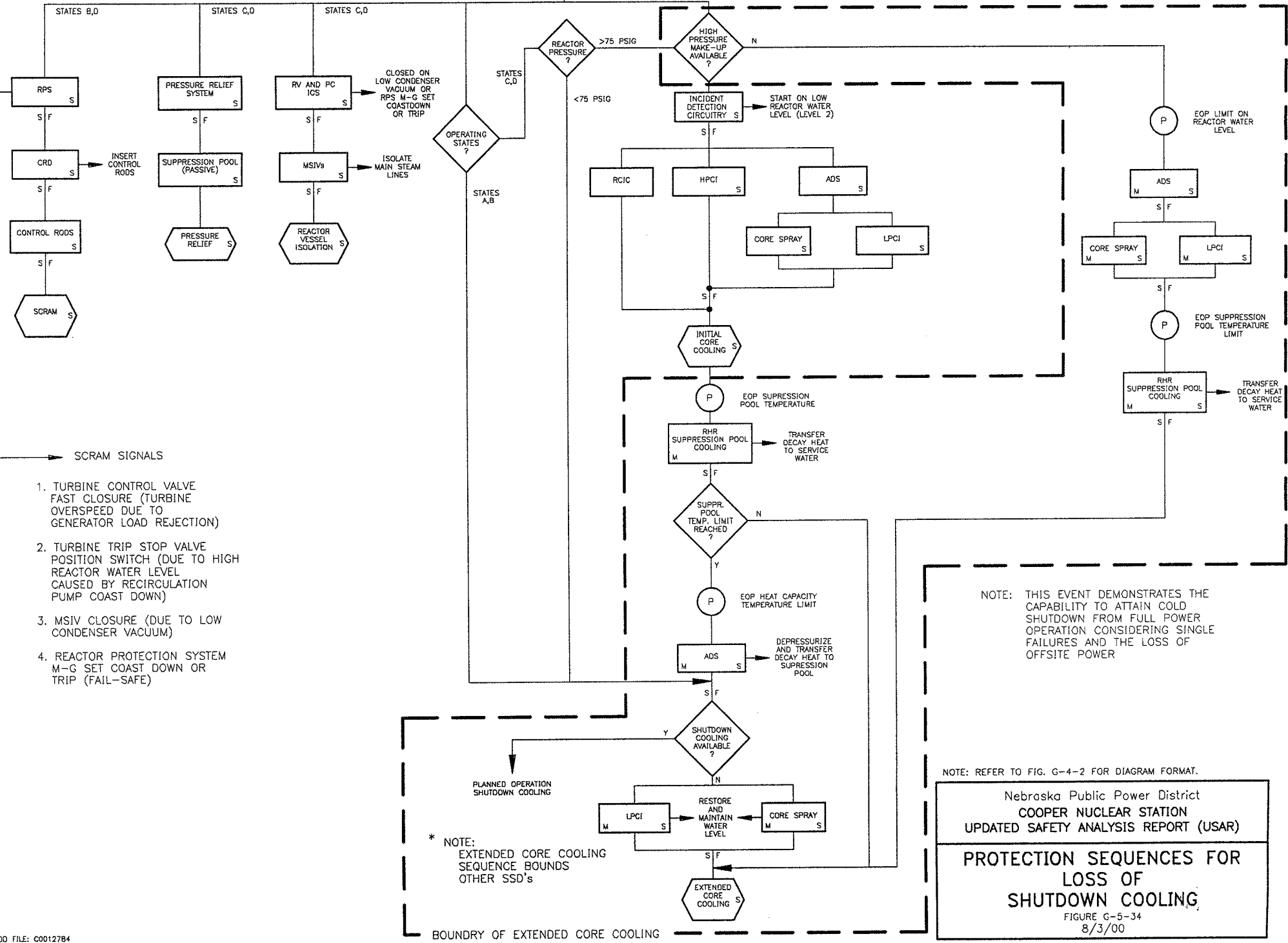
NOTE: REFER TO FIG. G-4-2 FOR DIAGRAM FORMAT.

Nebraska Public Power District  
 COOPER NUCLEAR STATION  
 UPDATED SAFETY ANALYSIS REPORT (USAR)

**PROTECTION SEQUENCES FOR  
 START-UP OF IDLE  
 RECIRCULATION PUMP**

FIGURE G-5-33  
 8/3/00

EVENT 31  
LOSS OF SHUTDOWN COOLING ALL STATES



1. TURBINE CONTROL VALVE FAST CLOSURE (TURBINE OVERSPEED DUE TO GENERATOR LOAD REJECTION)
2. TURBINE TRIP STOP VALVE POSITION SWITCH (DUE TO HIGH REACTOR WATER LEVEL CAUSED BY RECIRCULATION PUMP COAST DOWN)
3. MSIV CLOSURE (DUE TO LOW CONDENSER VACUUM)
4. REACTOR PROTECTION SYSTEM M-G SET COAST DOWN OR TRIP (FAIL-SAFE)

NOTE: THIS EVENT DEMONSTRATES THE CAPABILITY TO ATTAIN COLD SHUTDOWN FROM FULL POWER OPERATION CONSIDERING SINGLE FAILURES AND THE LOSS OF OFFSITE POWER

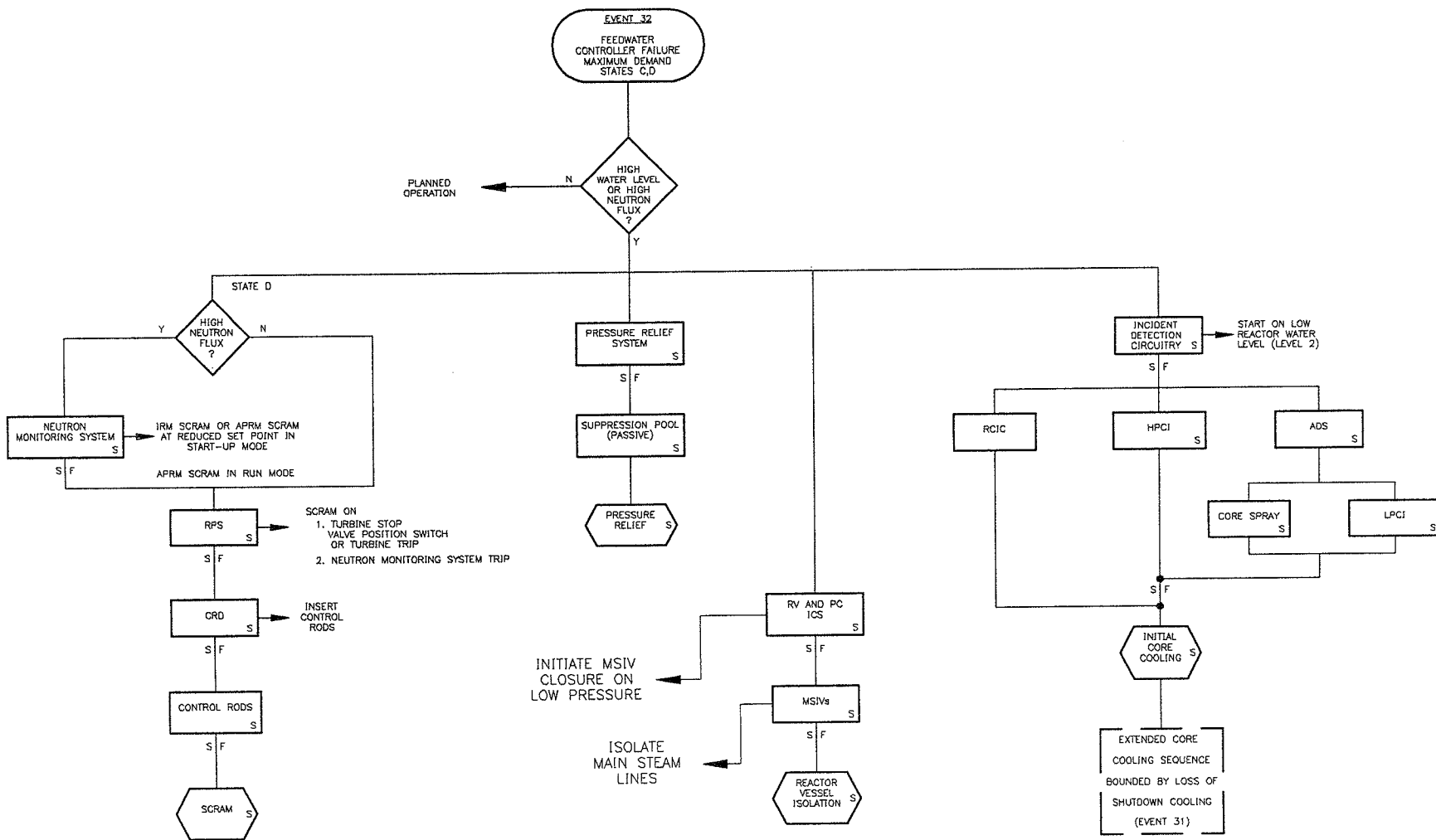
NOTE: REFER TO FIG. G-4-2 FOR DIAGRAM FORMAT.

Nebraska Public Power District  
COOPER NUCLEAR STATION  
UPDATED SAFETY ANALYSIS REPORT (USAR)

**PROTECTION SEQUENCES FOR  
LOSS OF  
SHUTDOWN COOLING**

FIGURE G-5-34  
8/3/00

\* NOTE:  
EXTENDED CORE COOLING  
SEQUENCE BOUNDS  
OTHER SSD'S



NOTE: REFER TO FIG. G-4-2 FOR DIAGRAM FORMAT.

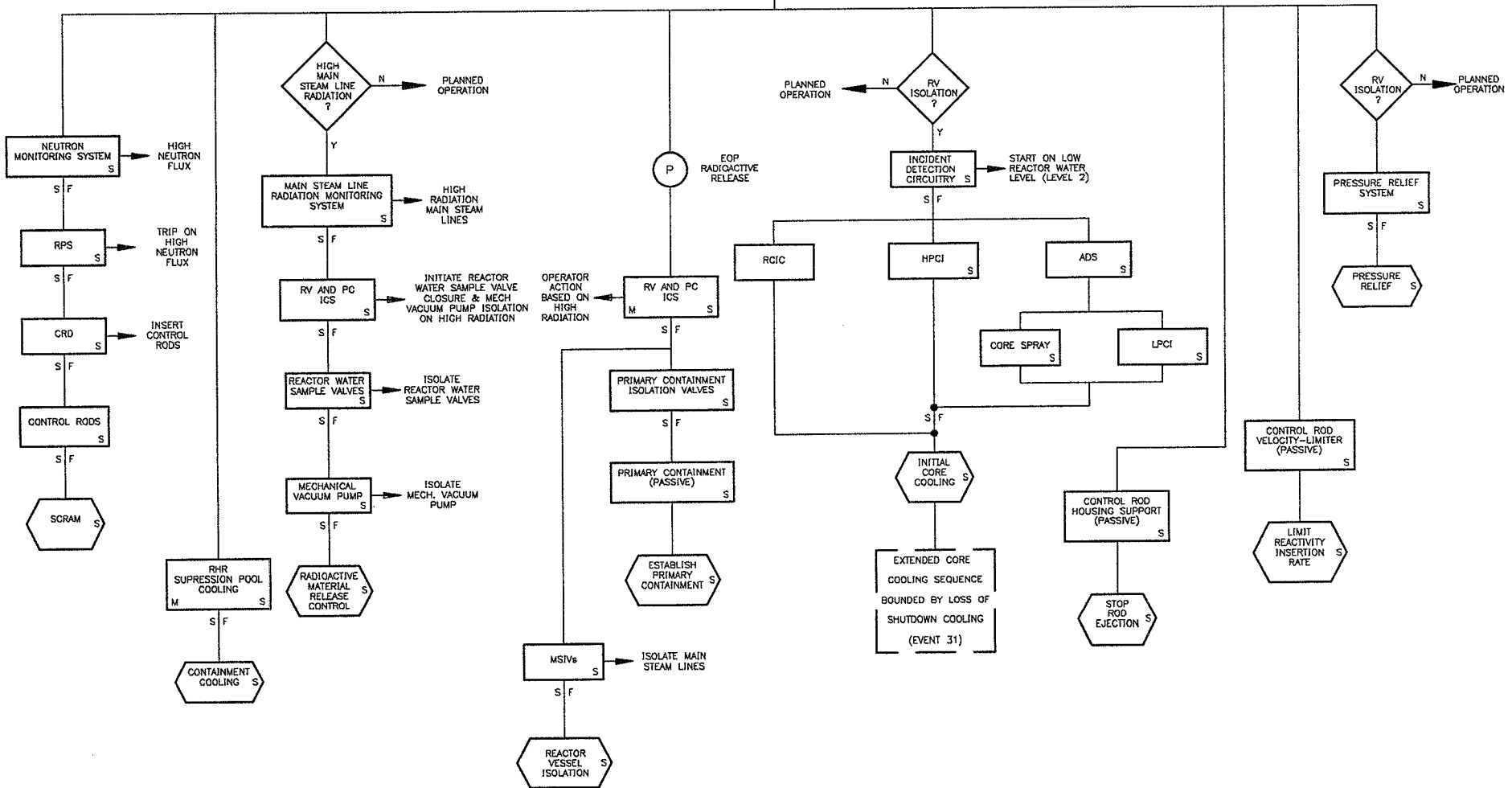
Nebraska Public Power District  
COOPER NUCLEAR STATION  
UPDATED SAFETY ANALYSIS REPORT (USAR)

**PROTECTION SEQUENCES FOR  
FEEDWATER CONTROLLER  
FAILURE--MAXIMUM DEMAND**

FIGURE G-5-35  
8/3/00



EVENT 40  
CONTROL ROD  
DROP ACCIDENT  
STATE D

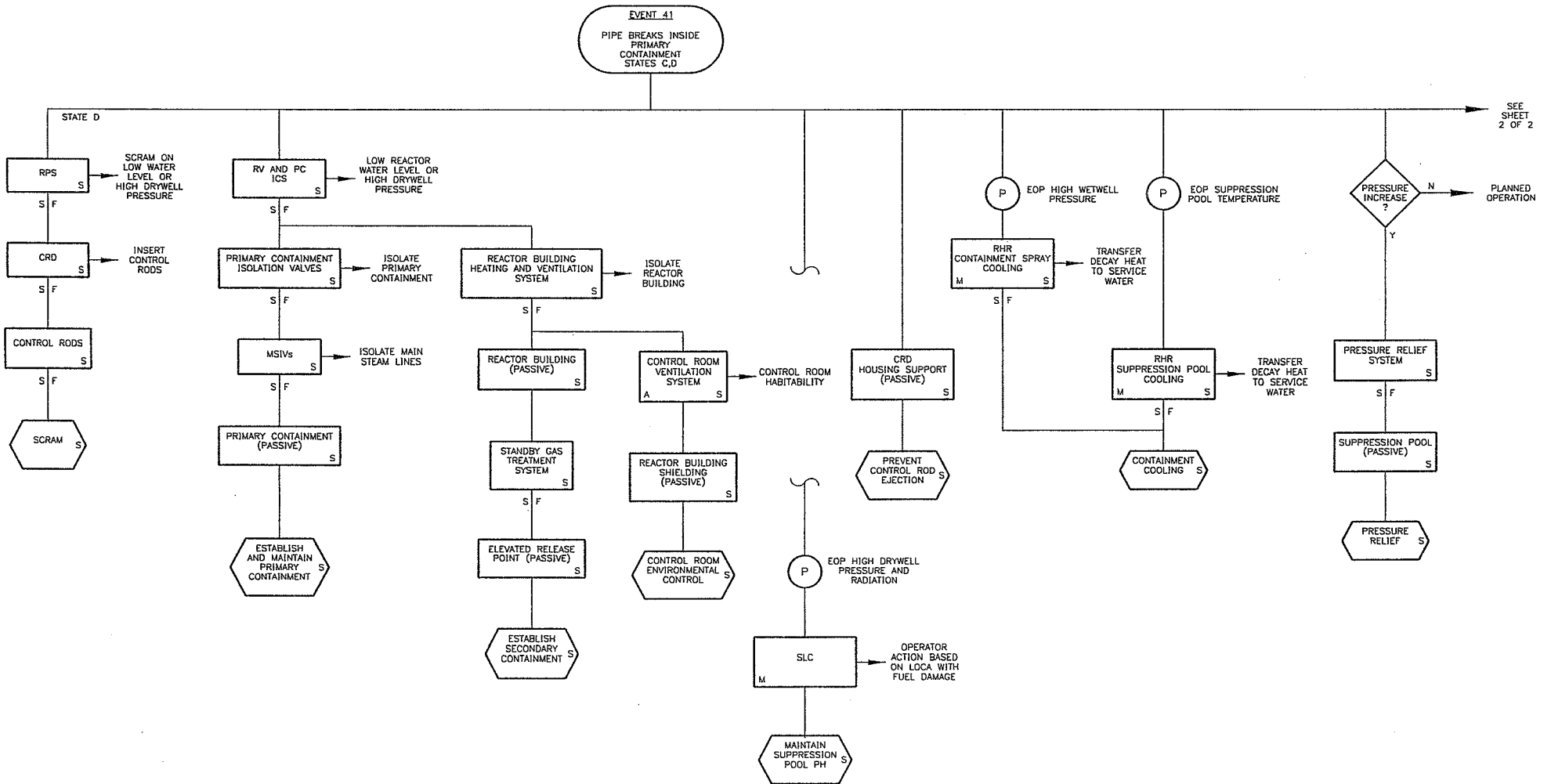


NOTE: REFER TO FIG. G-4-2 FOR DIAGRAM FORMAT.

Nebraska Public Power District  
COOPER NUCLEAR STATION  
UPDATED SAFETY ANALYSIS REPORT (USAR)

**PROTECTION SEQUENCES FOR  
CONTROL ROD DROP  
ACCIDENT**

FIGURE G-5-36  
04/08/02



SEE  
SHEET  
2 OF 2

PLANNED  
OPERATION

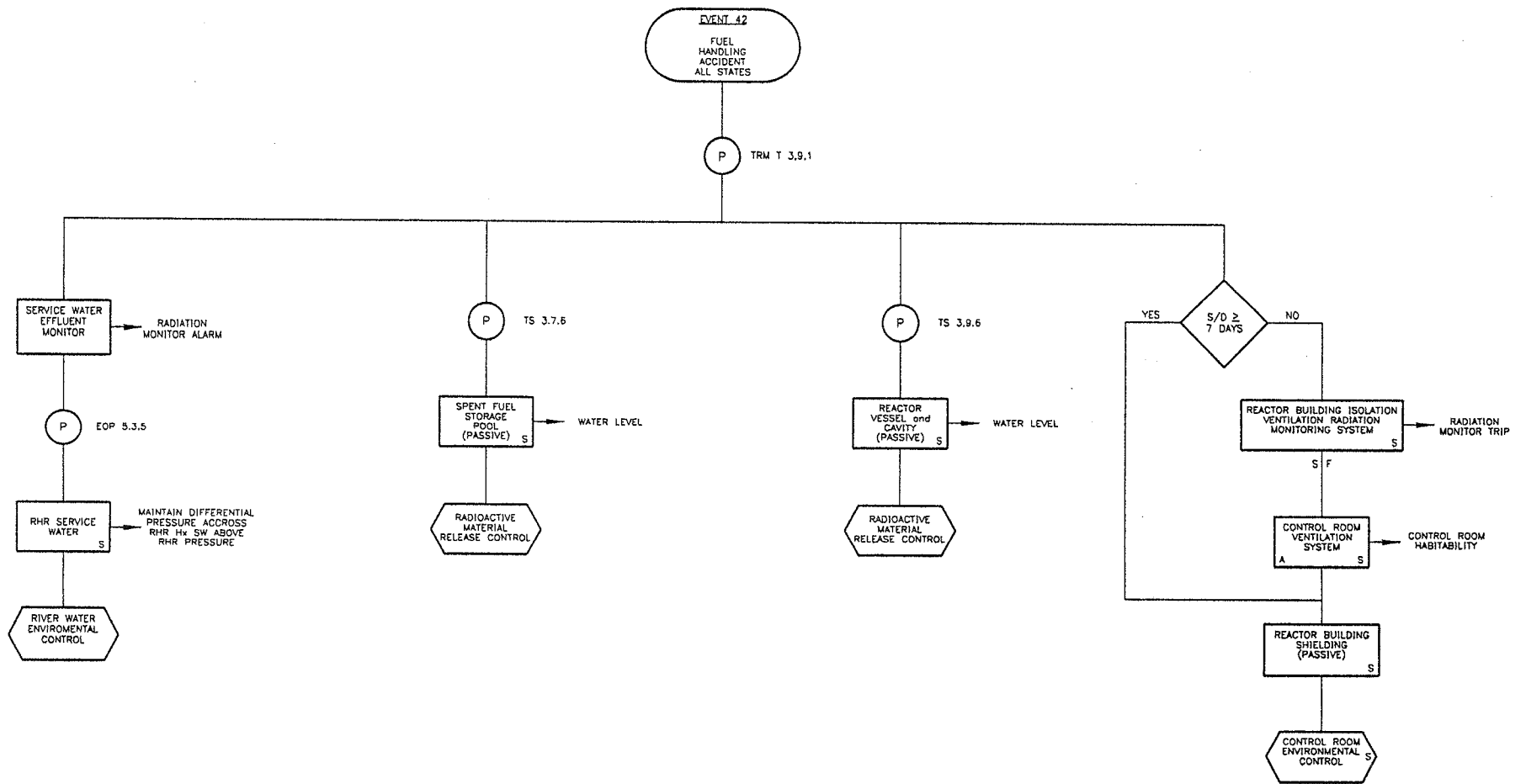
NOTE: REFER TO FIG. G-4-2 FOR DIAGRAM FORMAT.

Nebaska Public Power District  
COOPER NUCLEAR STATION  
UPDATED SAFETY ANALYSIS REPORT (USAR)

**PROTECTION SEQUENCES FOR  
PIPE BREAKS INSIDE  
PRIMARY CONTAINMENT**

**SHEET 1**  
FIGURE G-5-37  
02/05/10



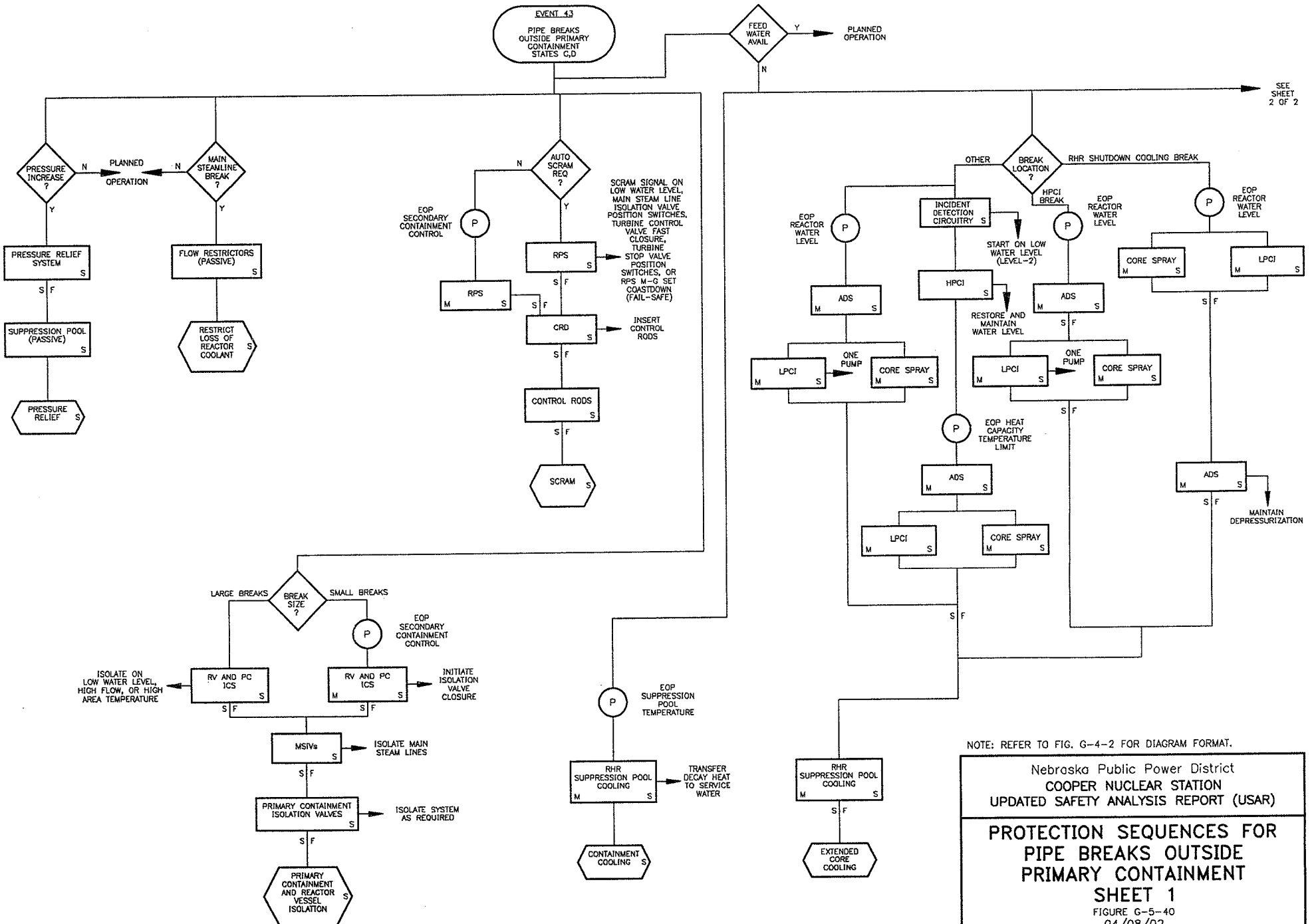


NOTE: REFER TO FIG. G-4-2 FOR DIAGRAM FORMAT.

Nebraska Public Power District  
COOPER NUCLEAR STATION  
UPDATED SAFETY ANALYSIS REPORT (USAR)

**PROTECTION SEQUENCES FOR  
FUEL HANDLING  
ACCIDENT**

FIGURE G-5-39  
03/09/07



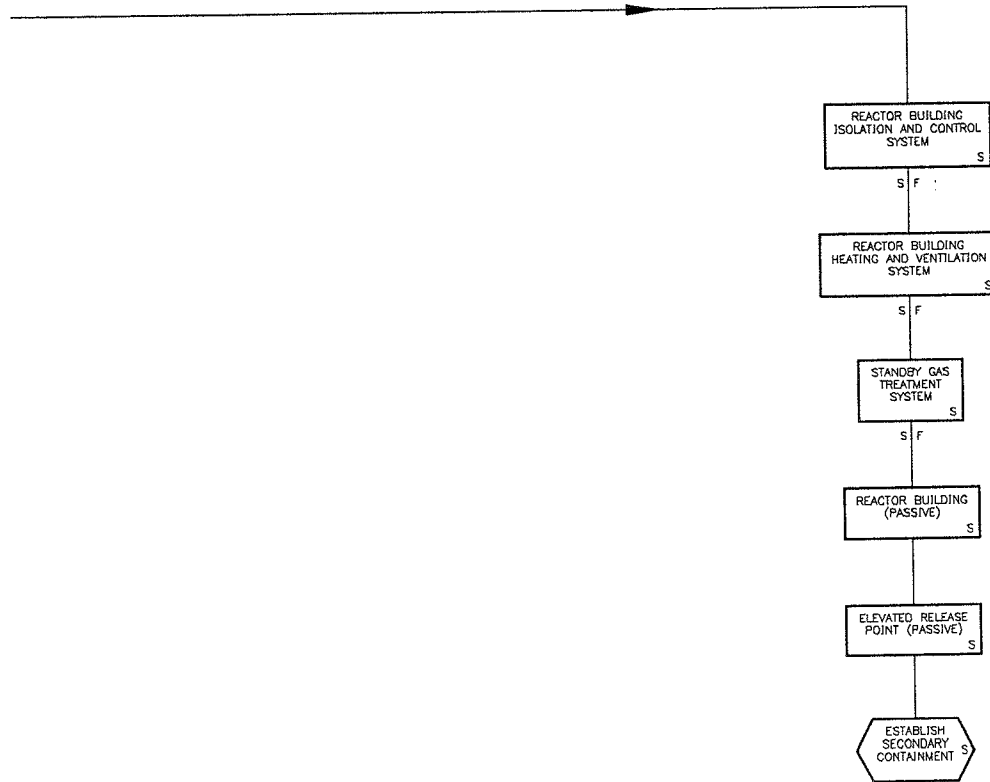
NOTE: REFER TO FIG. G-4-2 FOR DIAGRAM FORMAT.

Nebraska Public Power District  
COOPER NUCLEAR STATION  
UPDATED SAFETY ANALYSIS REPORT (USAR)

**PROTECTION SEQUENCES FOR  
PIPE BREAKS OUTSIDE  
PRIMARY CONTAINMENT**

SHEET 1  
FIGURE G-5-40  
04/08/02

EVENT 43 (CONTINUED)



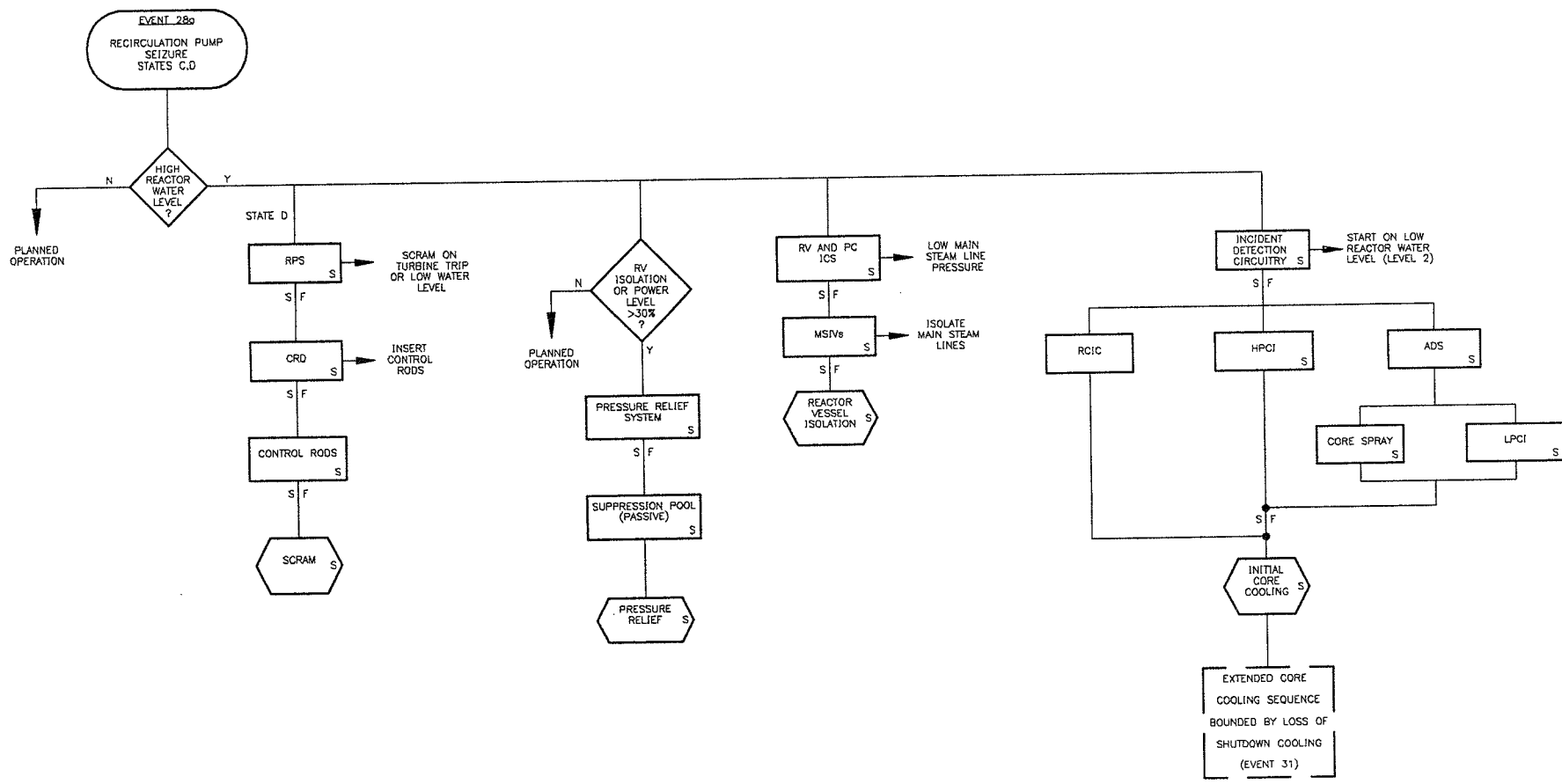
NOTE: REFER TO FIG. G-4-2 FOR DIAGRAM FORMAT.

Nebraska Public Power District  
COOPER NUCLEAR STATION  
UPDATED SAFETY ANALYSIS REPORT (USAR)

**PROTECTION SEQUENCES FOR  
PIPE BREAKS OUTSIDE  
PRIMARY CONTAINMENT**

**SHEET 2**

FIGURE G-5-41  
8/3/00



NOTE: REFER TO FIG. G-4-2 FOR DIAGRAM FORMAT.

Nebraska Public Power District  
 COOPER NUCLEAR STATION  
 UPDATED SAFETY ANALYSIS REPORT (USAR)

**PROTECTION SEQUENCES FOR  
 RECIRCULATION PUMP  
 SEIZURE**

FIGURE G-5-42  
 8/3/00

EVENT 20  
FUEL  
LOADING  
ERROR  
ALL STATES



PLANNED  
OPERATION

NOTE: REFER TO FIG. G-4-2 FOR DIAGRAM FORMAT.

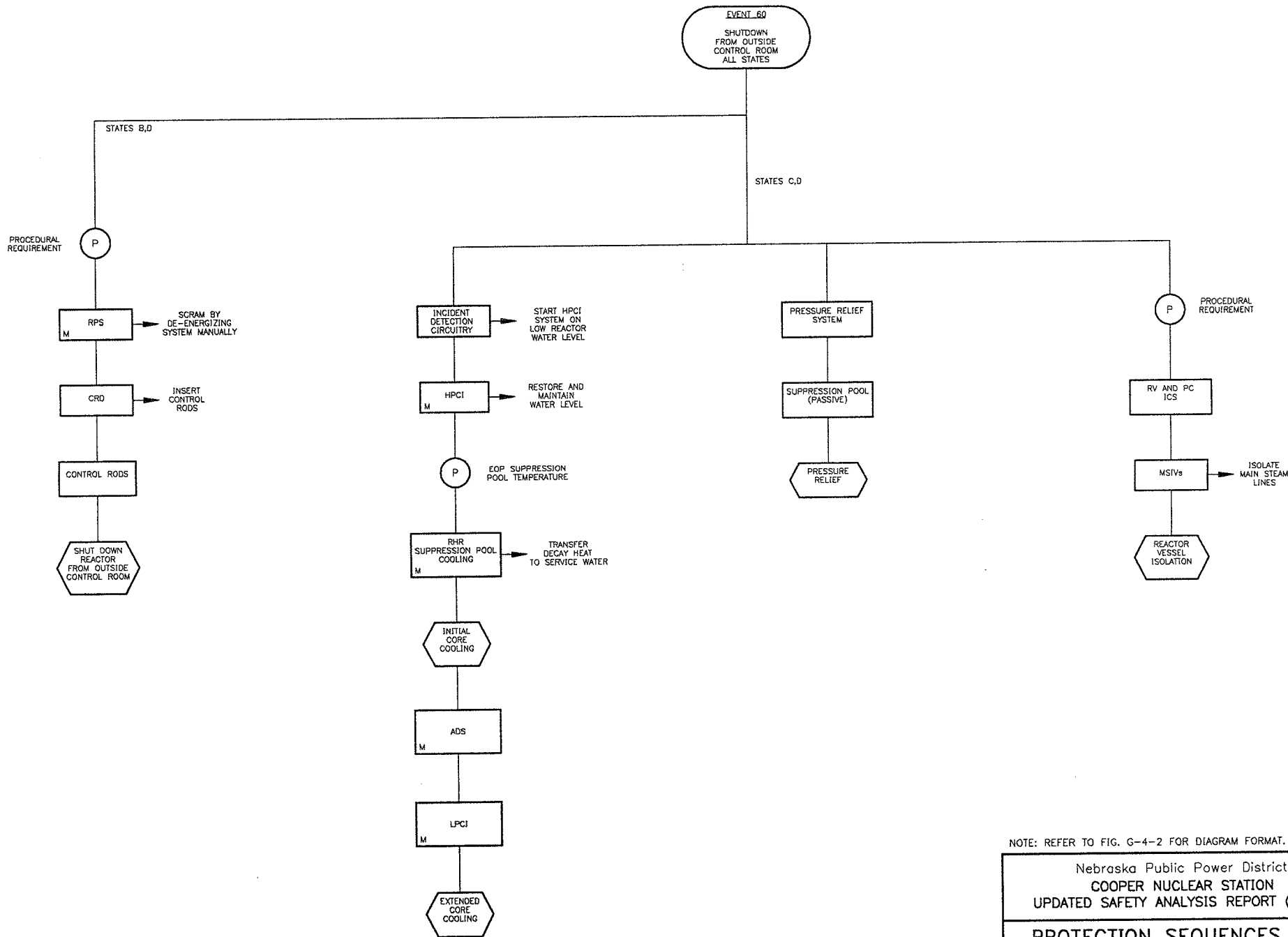
Nebraska Public Power District  
COOPER NUCLEAR STATION  
UPDATED SAFETY ANALYSIS REPORT (USAR)

PROTECTION SEQUENCES FOR  
FUEL LOADING

ERROR

FIGURE G-5-43  
8/3/00



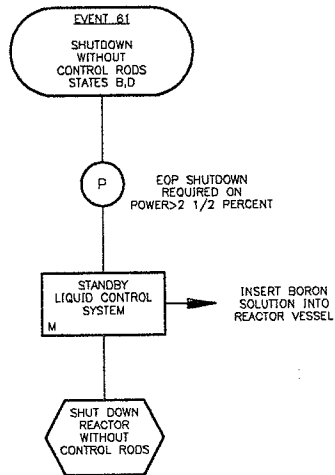


NOTE: REFER TO FIG. G-4-2 FOR DIAGRAM FORMAT.

Nebraska Public Power District  
COOPER NUCLEAR STATION  
UPDATED SAFETY ANALYSIS REPORT (USAR)

**PROTECTION SEQUENCES FOR  
SHUTDOWN FROM OUTSIDE  
THE CONTROL ROOM**

FIGURE G-5-44  
8/3/00

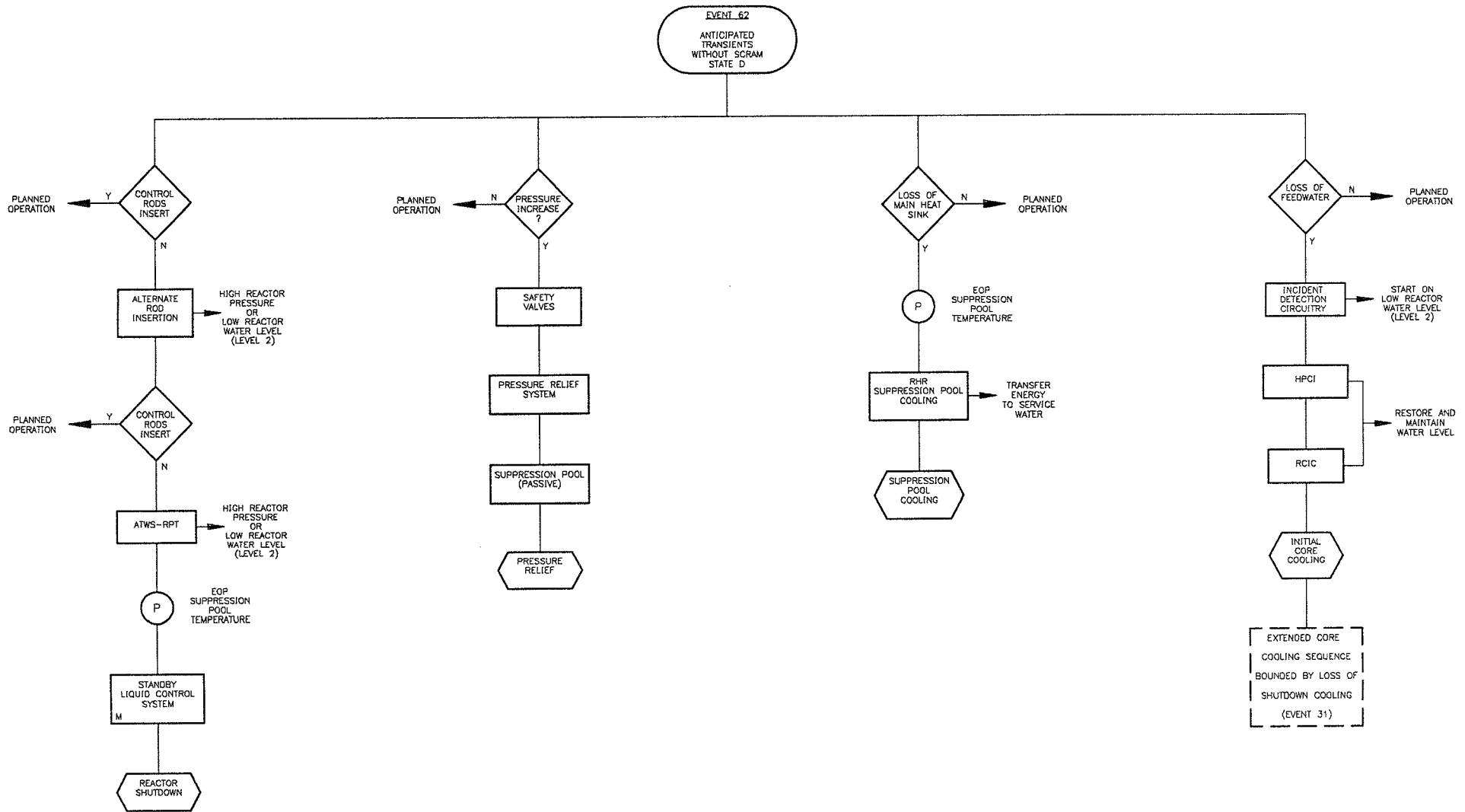


NOTE: REFER TO FIG. G-4-2 FOR DIAGRAM FORMAT.

Nebraska Public Power District  
 COOPER NUCLEAR STATION  
 UPDATED SAFETY ANALYSIS REPORT (USAR)

PROTECTION SEQUENCES FOR  
 SHUTDOWN WITHOUT  
 CONTROL RODS

FIGURE G-5-45  
 8/3/00

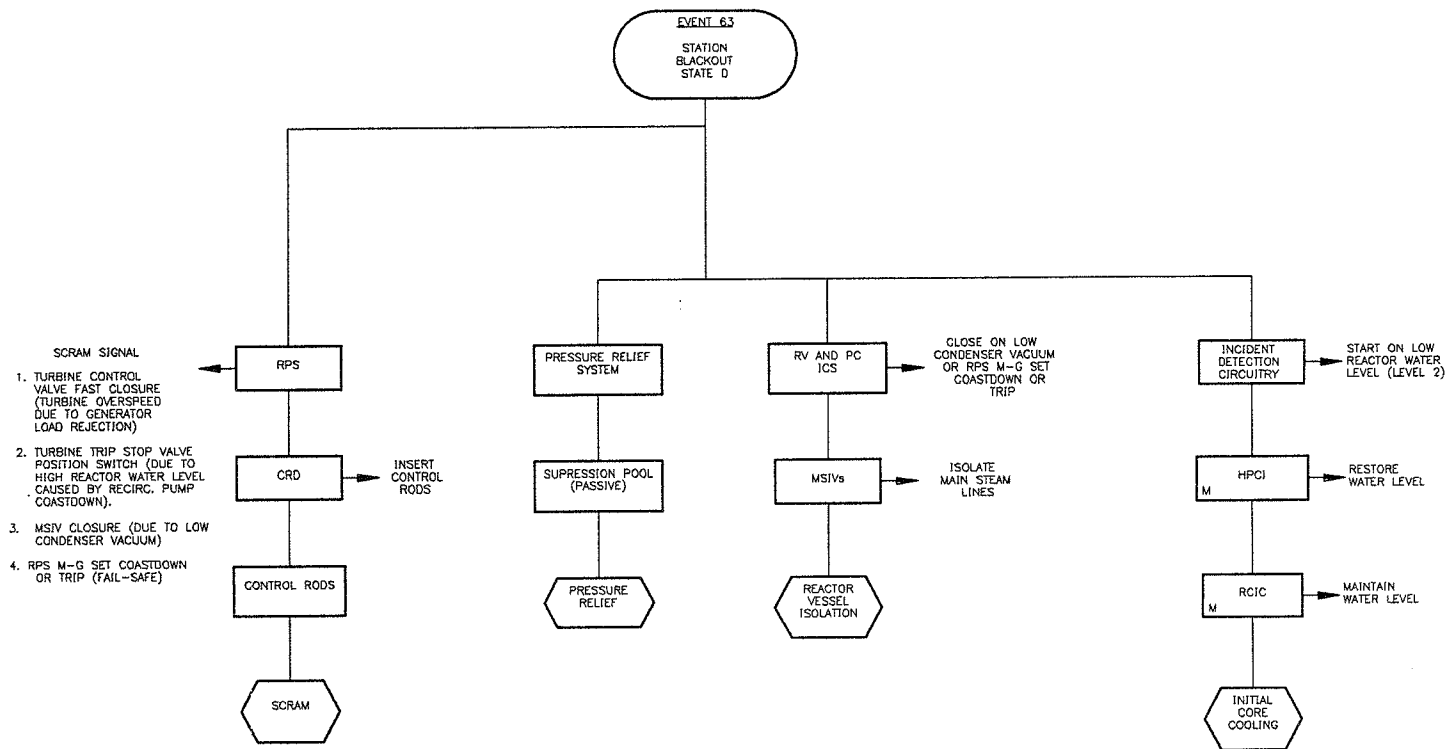


NOTE: REFER TO FIG. G-4-2 FOR DIAGRAM FORMAT.

Nebraska Public Power District  
COOPER NUCLEAR STATION  
UPDATED SAFETY ANALYSIS REPORT (USAR)

**PROTECTION SEQUENCES  
FOR ANTICIPATED TRANSIENTS  
WITHOUT SCRAM**

FIGURE G-5-46  
8/3/00



NOTE: REFER TO FIG. G-4-2 FOR DIAGRAM FORMAT.

Nebraska Public Power District  
COOPER NUCLEAR STATION  
UPDATED SAFETY ANALYSIS REPORT (USAR)

**PROTECTION SEQUENCES FOR  
STATION BLACKOUT**

FIGURE G-5-47  
8/3/00