

	PRIMARY EVENT/STATUS	SECONDARY EVENT/STATUS	FALST (CRO)	FFP/FFC/K (CRO)	ZELJE (UNIT 2 S:FTT SUPER)	SHEIMANN (UNIT 2 SHIFT FOREMAN)
0:00		FEEDWATER PUMP STRIP TURBINE TRIPS EMER. FW PUMPS START	AT TAGGING CSD DESK/ COMPUTER	AT HOD CONTROL STA. MONITORING MAKE UP SYS		
0:01			SEES ALARM LIGHTS ON ICS PANEL (15)	SEES CONDENSATE PUMP TRIP IND.		
0:03	REPT PRESS. INCREASING		SEES ALARM LIGHTS ON ELECTRICAL PANEL (17)	SEES TURB. TRIP IND.		
0:04				MONITOR ICS FOR RUNBACK		
0:05	EMOV OPENING ON 2255 PSIG					
0:06						
0:07						
0:08	REACTOR TRIPS					ANNOUNCES REACTOR TRIP
0:09		STEAM PRESSURE AT 1070 STEAM R. VALVES OPEN	MOVING TO INSTRUMENTAL (3)	VERIFY RODS DEPLOYED, NEUTRON POWER JLD DECSNG.		
0:10			SEES ROD BOTTOM LIGHTS	SETS PRESS. HTS E SPRAY (RCV1) TO AUTO		
0:13	EMOV SHOULD CLOSE ON 2265 BUT DOES NOT		CLOSES MVV376 - LETDOWN ATTEMPTS START MUP IA ATTEMPTS START MUP IA	MOVES TO MU PANEL		
0:14	PRESS HTS 1-5 START ON 2105 & DECREASING	EMER. FW PUMPS AT FULL PRESSURE	MOVING TO FW STA. (4) NOTICES NOISE IN VIB. & LP MONITOR			
0:15	PRESS. LEVEL PEAK AT 255"		VERIFIES EMER. FW PUMP OPERATION		TELLS C.F. TO VERIFY TURB. TRIP & EFW	
			VERIFIES EFV11A & B OPENING (DUAL IND.)		MOVES TO PRESS. PANEL	
0:30		OTSG LEVELS AT 90 IN DECREASING 4.5"	MOVING TO TURB. STA. (5)			
0:38		OTSG A AT 23.8" DECREASING. EFV11A & B OPENING ON 30 IN. DUAL IND. ON PANEL				
0:40		OTSG B AT 23.7" DECREASING.				
0:41			NOTES ONE THROT. VALVE HUNG UP			
0:41			NOTES GOV. VALVES CLOSED	STARTS MUP IA OPENS MUV16B		
0:50			MANUAL TURBINE TRIP	OPENS DA-V-SA BWSI SUPPLY VALVE		
				MONITORS PRESS. LVL.		
0:54	PRESS. LEVEL AT 150 IN. (CONVERT) STARTS TO RISE		DUAL INDICATORS EXT. CSD IN WORK			

8001220796 P

LEAKS GEN. BOMBS
& FIELD BOMBS.

1:32 RECD LOW LEVEL - 1.40M
10.3"

1:42 COTE S.V. 7FMP 4.40M
AT 20.5 F
RECT PRESSURE 1.81
INCRSG

0756 AEB AT 10.3M.

MOVING TO F/W
PANEL

REQUESTS UNIT 1
SHIFT FOREMAN TO
CALL STA. AEB.

NOTES 10.3M LEVEL
ON CG AEB

1:40 RECD AT 86°F 2.0PSIG
RC PRESS. 11.72 = 5.11

2:00 CP 20.5S COMP. 2.12 TO
REC 10.3P 8.1M - FAIL

2:02 HRT STARTS
DHR PLUMS START
MUP 18 TRIPS
MUP 16 STARTS 2.1K
SUSPENDING HRT
DISCHARGE VALVES TO
250 GPM

0156 PRESS. 2/1000

NOTES ES ACTIVATION

NOTES COND PLUMS COND.
B. PLUMS & F/W PLUMS
TRIPPED

2:28 PRESS LVL AT 20.7
INCRSG

VERIFIES ALL FEES
(SAFEGUARD EQUIP.
OPERATING

TELLS F.S. TO
MONITOR PRESSURE

FILTERS CR & OBTAINS
EDS

MONITORS PRESS. LEVEL

3:00

3:13 PRESS. LVL AT 20.7
HRT TO FRESHEN

STOPPED DELAY HEAT PUMPS

TAKES MANUAL CONTROL
OF INJECTION BYPASS-
ING ES (W/SAFEGUARD, PANS)

OK'S BYPASSING
ES

THRUSTLES MUV16
VALVES TO 250 GPM

3:30

PRESS LVL ALARM AT
26.1" RECD 2.12
12.15 RECD 2.12
INCRSG

TIME	PRIMARY EVENT/STATUS	SECONDARY EVENT/STATUS	FAUST	FREDRICK	ZEWJE	SHEIMANN (UNIT 2 SHIFT FOREMAN)	RYBRYN (UNIT 1 SHIFT SUPER)
4:00	PROCESSED LEVEL CONTINUES TO INCREASE			PARTLY CLOSES MUV 16 TO THROTTLE MUV A		MONITORS PRESS. LVL	
4:38	MU-VI6 CSO CLOSED MU-VI6 ASB THROTTLED MU-P1A RUNNING			SHUTS OFF MUVIC			
4:52				STARTS I. COOL. PUMP ICPIA			
5:00	LETDR IN FLOW HIGH ALARM PRESS LVL = 377		NOTES DUAL J.A.D. ON EA FR. F.W. VALVES EFF IN A & B.				
5:15	PRESS. LVL. INCREASING AT 373 IN.		POINTS HOTWELL LEVEL OFF SCALE TO ZEWJE	OPENS MUV1A REJECT VALVE (THROTTLES MUV1B TO MIN.)	STARTS CONDENSATE PUMP 1A ATTEMPTS TO START COND. BOOSTER PUMP 2B BUT IT TRIPS	OPENS MUV316 TO ESTABLISH LETDOWN INCREASES FLOW PAST MUV5 TO 120 GPM	
5:20	PRESS LVL. INCREASING		CHECKING ON REASON FOR 10 IN SG LEVEL		ATTEMPTS TO START COND. BOOST 2B TRIPS AGAIN		
5:51	PRESS. LVL = 400 IN (OFF SCALE)						
6:00	SATURATION CONDE.						
6:24		CO-P-2B TRIPS			ATTEMPT TO START COND. BOOST 2B		
6:58			ATTEMPTS TO OPEN COV 12 POLISHER BYPASS VALVE	THROTTLES LETDOWN TO 716 GPM	ATTEMPTS TO OPEN COV 12 POLISHER BYPASS VALVE		
7:00							
7:29	MU-P2A (REACTION BLDG) UNIT PLAN STARTS						

COMBINATION OF PRESSURIZED LIQUID AND REDD. POLYMER IMPLIES SOLID FLAKE TO CROSS

SHUT IN THE PLANT

ARRIVES IN CR

REVIEWS EP STEPS
TAKEN BY OPERATORS

CAUSE UNCERTAIN -
MAY HAVE RESULTED
FROM CRD HITTING
CON. BOOSTER PUMP
2A SWITCH IN START
OR PUMP WAS FAILED
LOCALLY

RANDY MK FMRP
ARRIVES FOR TRIP
REVIEW

ULTI 2 SUPPORTING
DRIFT - TECH. SUP.
ARRIVES

FINDS EFFLUENT
CUT OFF DESCRIBED BY
TAG

CREMS EFFICIENT

FLOW IS FFD. TO
OTSG (CONTINUED)
BY BOTTLE J. 1028.
EL. HIGHER

HOT LEG TRIP DURING

MONITORING TIG
LEVELS & AIRFLOID
TO ESTABLISH 30
IN.

TURBINE BYPASS VALVES
TO MINIMUM &
OPENED OPEN

ADJUSTING
SG LEVELS

DEFENSIVE PUMP IN
TEST

OTSG PRESS. INCRASING
VALVES NOT RESPONDING

STARTS STARTS STOPS,
STARTS MUP-PIA

RESTART MUP-PIA

TURBINE OFF DECAY HEAT
PUMPS ONH AEB OFF

GOES TO AW. BLDG
TO J. CLUTE. COIN. 7
LEAVE AND OPEN 7
VALVES. BLOWFAST
VALVES. SHUT TAPE
AT 12:38 BEFORE HE
LEFT.

8:30

9:00

9:07

9:30

10:00

10:15

10:19

10:24

10:48

11:00

11:30

11:43

12:00

13:00

14:00

15:00

SOUP & ...

RCP ...

P.L.V. ...

RB ...

START ...

RB ...

4.6 ...

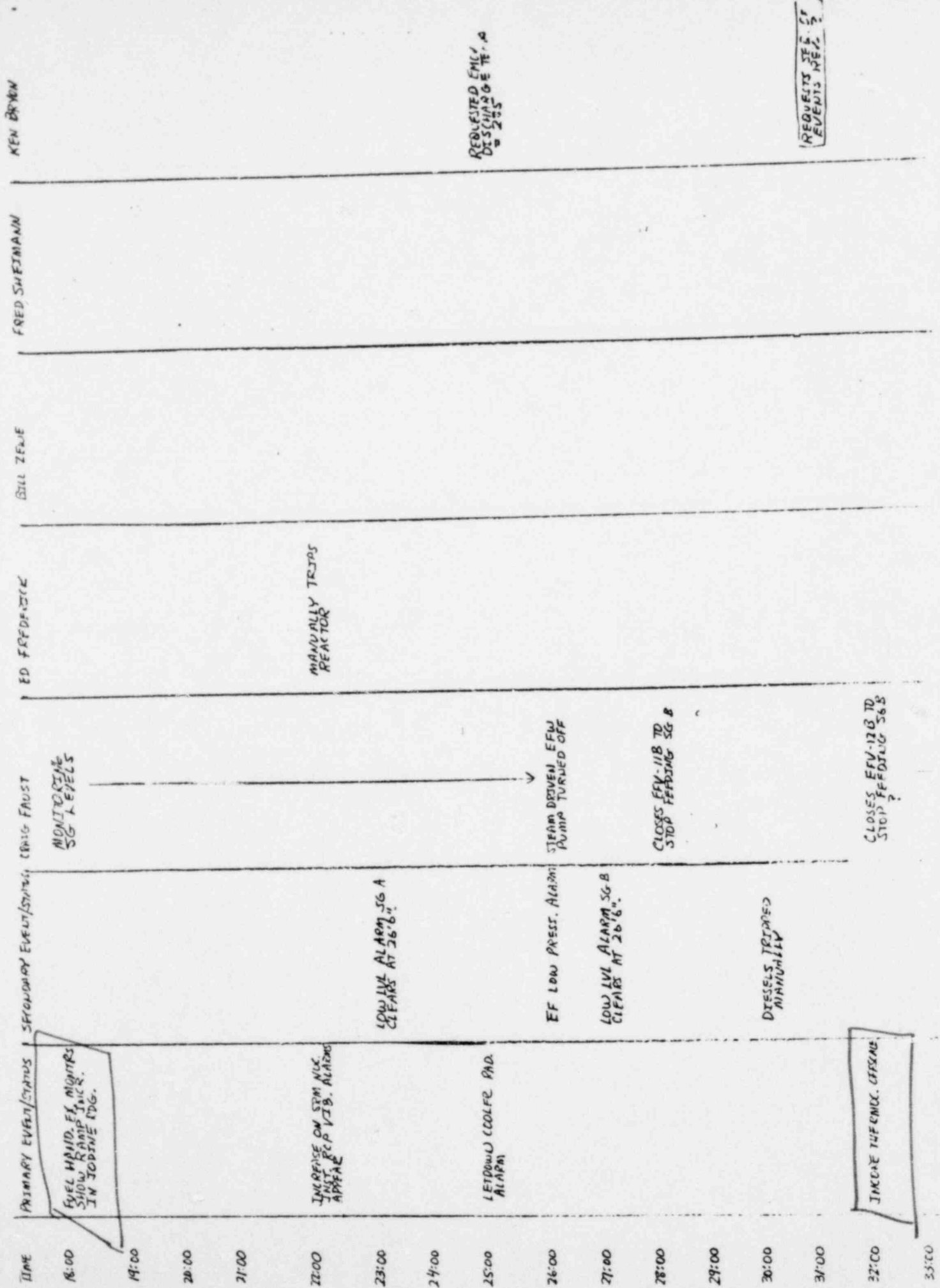
FAST ...

DUE ...

RED ...

RED ...

TAVE # 571
RE ...
RBL ...



KEN BRYEN

FRED SHEINMANN

BILL ZEWE

ED FREDEBECK

MANUALLY TRIPS REACTOR

REQUESTED EMILY DISCHARGE 18:10

REQUESTS SEE CP EVENTS NEXT?

FUEL PUMP EF, MIGHT SHOW RAMP IN CR. IN TORINE RDG.

INCREASE ON STEAM MIX. INLET FOR VIB. ALARM

LOW LVL ALARM SG A CLEARS AT 26.6"

LEIDOW COOLFR. PAD. ALARM

EF LOW PRESS. ALARM

LOW LVL ALARM SG B CLEARS AT 26.6"

CLOSSES EFV-11B TO STOP FEEDING SG B

DIESELS TRIPPED MANUALLY

INCREASE IN FEEDING. OFFENS.

CLOSSES EFV-11B TO STOP FEEDING SG B

34:00

35:00

36:00

37:00

38:00

39:00

40:00

41:00

42:00

43:00

44:00

45:00

46:00

47:00

48:00

49:00

50:00

TURNS OFF FEWP
2B (EFF 2B)

EGTH SG'S ABOUT 35"

2 SUBP A - 3 TURNED
OFF BY H. I. CR. AT
E. F. ONE

CHEKS WITH B-Z
CHECKS OFFERS BY
SUBP PUMPS OFF

CM'S TURNING OFF
RE SUBP PUMPS
(IN 2B)

REQUESTS REDT DATA

PERMITS FE FEWS LVL
L-FF. PG 5-3

YLR IE TEMP COOLER
FUNCTION LIFE

ATTENDING TO
DETERMINE IF PRESS.
LVL IS ACCURATE

REQUESTS FRESH
LVL. DIX. ADVISE

SG A LVL DECREASING
SG B LVL INCREASING

AT PRIMARY CONTROLS

AT PRIMARY CONTROLS

AT PRIMARY CONTROLS

G. MURPHY UNIT 7
SUPERINTENDENT
TECH. SUPPORT
APR 7 1968

TIME	PRIMARY EVENT/STATUS	SECONDARY EVENT/STATUS	CRAIG FAUST	ED FREDERICK	BILL ZEWE	FRED SWEIMANN	KEN BRYAN
51:00							
52:00	TAVE = 540	TAVE = 540					
53:00							
54:00							
55:00							
56:00							
57:00							
58:00							
59:00		POLISHER BYPASS VALVES OPENED MANUALLY BY ZFEW ET AL.			OPENS POLISHER BYPASS VALVES MANUALLY		
60:00			DISCUSSION OF POSSIBILITY OF FAULTY READINGS -	ZFEW, FREDERICK,	PRESS. LEVEL INSTRUMENTATION FAUST, SWEIMANN, G. KUNDEE		
61:00		CTAC W. PUMPS BCDE OFF TO SWITCH TO ATM. RELIEF VALVES					
62:00	ALARM PRINTER GOES DOWN - UNAVAILABLE UNTIL 231:00						
63:00							
64:00							
65:00							
66:00							
67:00							
68:00							
69:00							
70:00							

UNABLE TO PREVENT FOR
FIELD PRESS. 32.6A.

ADJUSTING FLOW TO SG
BLU/10-1-E (ASSISTANT
VALVE (FF-VS-B))

TURN OFF EC. RUNS
RCP 1BE 2B

SLOW FVSB TO
ISOLATE SG B.

70:00 STOPPING IA. R. BLDG.
PRESSURE

73:00 FLOW INDICATOR DEGRADING
W/ VIBRATION ALARM,
74:00 FLOW INDICATOR
75:00 FLOW OFF

75:00 V
- 2.5% INCREASE IN FLOW
- 2.5% INCREASE IN PRESSURE
- 2.5% INCREASE IN TEMPERATURE
- 2.5% INCREASE IN VIBRATION
- 2.5% INCREASE IN NOISE
B SG PRESS. DECREASES

80:00 INCREASE ON LET'SUM
METER

81:00 CMOU OUTLET TEMP
2.4% HIGHER THAN
SAFE SAFETY OUTLET
TEMP (213 VS 219)

84:00 CMOU OUTLET INCREASE
IN PRESSURE IN RELATION
TO 81:00

90:00 FLOW SAMPLE 10.0 US
4.0-5.00 PPM EG-ON

ATM. DUMP VALVES OPEN
MAINT PRESS IN SG A
PRESSURE
EG OFF, FLOW FLOW TO B
SG BY HISTORIC

REQUESTS ENJOY/LOVE
SAFETY TEMP = 213

PRIMARY EVENT/STATUS

SECONDARY EVENT/STATUS

91:

92:

INCREASING HPT FLOW
RCS PRESSURE DOWN
SOME FGM SPIKE UP

SG A BOILS DRY
AGAIN

95:

EMER FW FLOW TO
SG A

96:

97:

98:

99:

100:

101

EMERGENCY BORATION
(2ND TIME?)

TURNS OFF RC PUMPS
REP 1A & 2A?

STARTED EMERGENCY
BORATION
SECOND BORATION

TURNS OFF RC PUMPS
REP 1A & 2A?

103

104

105

106

107

108

109

110

111
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131
132

71-50 BOREN STAPLE
4:50 PM

FEED A SG TO RENCH
50% USING TURB.
BYP. VALVE

EITHER STOPPED OR
STAN AMITTED DUNKED
FEED RATE TO 10%
(AND COMPLETELY FEED)
AND STANNS DOWN A
OTSE LEVEL FOR 50 MIN)
↓

SG A REACHES 50%
(173 JN.)

CONFERENCE CALL
C. AND SPAIN
G. HILDER ON C. CALL

- 133
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EMOV ISOLATED BY
CLOSING BLOCK VALVE
RC-V2
DROP IN P. BLDG. PRESS.

BEGINS FEEDING
B3G UP TO 50%