

PERSONNEL STATEMENT

NAME: Larry Speight EXT: 3206 STA: 7398POSITION/TITLE: Shift Manager.

Your statement should include Unit conditions prior to the event, what indications you noted that a problem existed, your actions as a result of those indications, noted equipment malfunctions or inadequacies and noted procedural deficiencies. Include any information, no matter how seemingly unimportant, which might be important in the review of this event, as well as actions you recommend to avoid recurrence, if any.

On June 11, 2004, I was in Unit 2 OSB waiting for the 0745 meeting to start. Heard a unit trip called Unit 3 CR and found Unit 3 had tripped due to LOOP. Walked to Unit 3 and started into EPIP01 stuff immediately with information I had determined we were in a NUS due to LOP with DGs supplying CLASS busses. During the course of the discussion STA pointed to fact we had indication of a program ~~on~~ secondary that led to a MSIS. It may have been something in SBGS that caused depressurization to MSIS. ~~That~~ and implemented NUS. Relieved by J Taylor as EC later in the event after all notifications were done. Went to ESD procedure initially (LOOP handled by ESD) and then because we met exit criteria we went to LOOP. Implemented LOOP.

PROBLEMS: - MCVU104 couldn't close manually

- Lifted safety valve on SDC Hx A; EWA's sid - EWAPS
47

- SI (✓) valve problems

- AS X-tie none available

- CW HV 2 didn't close (had to close it with
* handswitch)

- 2B RCP lift oil pump didn't start. A/S

- NANSO5 D had to be racked in and out in order
to get it to operate

- FWIV ~~inop~~ can't pump when ~~thous~~ pressure greater than
15000

PERSONNEL STATEMENT

NAME: Rick Byers EXT: 3205 STA: 7398POSITION/TITLE: U-3 CONTROL ROOM SUPERVISOR

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LOOP/LOFC 6/14/04 0740 HRS. PLANT AT 100% (UFM005). RECEIVED NUMEROUS BDI ALARMS FOR ELECTRICAL (GRID) PROBLEMS. SECONDARY OPERATOR (S.O.) REPORTED MN DECELERATOR MW SWINGING LOW. I OBSERVED ~~TO~~ LOW MW AND DECREASING FOLLOWED IMMEDIATELY BY A SWING UPWARD IN MW AT GEN. I OBSERVED MAIN TURB CONTROL VALVES DURING THE SWING AND THEY INDICATED 100% OPEN. S.O. SUGGESTED STBY CONTROL OF TURB TO STABILIZE. I INSTRUCTED THE CR STAFF THAT I WOULD BE ENTERING CLR AOP FOR GUIDANCE. AT THIS TIME THE MAIN TURBINE TRIPPED, FOLLOWED BY RX TRIP, ~~AND SHORTLY AFTER THAT I~~ DIRECTED CR STAFF TO PERFORM SPTAS. AT THE TURB. TRIP/RX TRIP I OBSERVE SBCV ACTUATION HAD OCCURRED. I ONLY SAW 3 VALVES AT MID POSITION FOLLOWING RX TRIP I OBSERVED SBCV'S ALL CLOSED. A SHORT TIME AFTER RX TRIP AN MSIS WAS RECEIVED. I LOOKED AGAIN AT SBCV AND RECALL 2 OR 3 VALVES INDICATING DUAL (RED/GREEN) AND THEN MODERATE CLOSED. THE S.O. REPORTED THE MSIS WAS DUE TO LOW S/P MEASURE. (THE RX IS OUT ANNUNCIATOR INDICATED S/P ± 2 LOW PRESS.) COMPLETED SPTAS W/ TC = 545°F. DIAGNOSED ESD AND ENTERED ESD TO CONFIRM EXIT CRITERIA MET (ESD ISOLATED BY MSIS). EXITED ESD AND ENTERED LOOP/LOFC. STABILIZED PLANT ON NC W/ LOW TC (545°F). CONTINUED W/ LOOP/LOFC AND POWER RESTORATION.

Rick Byers (R. Byers)

PERSONNEL STATEMENT

NAME: Scott Brzezinski EXT: 3200 STA: 7398POSITION/TITLE:
Reactor Operator

Your statement should include Unit conditions prior to the event, what indications you noted that a problem existed, your actions as a result of those indications, noted equipment malfunctions or inadequacies and noted procedural deficiencies. Include any information, no matter how seemingly unimportant, which might be important in the review of this event, as well as actions you recommend to avoid recurrence, if any.

About 0740, 6-14-04, received numerous alarms B06, B01. Looked from B06 to B01, saw U2 output bkr open. U3 voltage and megawatts were fluctuating. We were observing plant status noted SBCV's coming open, don't know how many, then noted Rx Trip. Looked back to B01 all green lites. Loss of offsite power, DG's and all support equipment started. Continued with SPTA's. Received MSIS shortly following trip. Received RU-143 + RU-4^(Channel 2) alarms in atom alert. Called Effluents to evaluate and monitor. RU-4 was believed to be flow spike. Considered ESD due to MSIS, went to LOOP/LOI. Performed numerous standard Appendix for restoration of offsite, onsite power. Stopped DG's, restored ventilation, restored cooling water systems. Noted problems were SI Check Vlv Hold Press Hi for SIT 2A, RCP 2B Oil Lift Pump electrical protection trip. CWN HV 7 did not close upon power restoration, Loss of EW 'A' due to safety valve lifting + not reseating, only one O₂ monitor immediately available to the Aux Operators.

Scott Brzezinski 6-14-04

PERSONNEL STATEMENT

NAME: James Weedman EXT: 7201 STA: 7398POSITION/TITLE: R.O.

Your statement should include Unit conditions prior to the event, what indications you noted that a problem existed, your actions as a result of those indications, noted equipment malfunctions or inadequacies and noted procedural deficiencies. Include any information, no matter how seemingly unimportant, which might be important in the review of this event, as well as actions you recommend to avoid recurrence, if any.

APPROX 0741 saw turbine load oscillations. Followed by a Turbine/Rx trip. An MSTIS occurred on the trip due possibly to 1003 SBCU sticking open. Performed SPTA's then entered ESD. After a while (not sure of time frame) exited ESD and enter LOOP/LOFC.

Anomalies

- Received SI HDR TO RL ZA PRESS. alarm.
Depressurized ^{3 times} ~~twice~~ per alarm response
- EWA surge tank level lowering due to relief lifting on SDCHX'A'. This was caused due to throttling EWA-53 when cross-connecting EWA → NC. The relief didn't lift until we were restoring.
- Found a DS hose in fuel bldg wide open filling Fuel bldg sump.

PERSONNEL STATEMENT

Steve Banks
Unit 3 On-shift STA
X3207



At approximately 0744, after a unit oscillograph alarm, I noticed the Main Generator load varying, it was observed that U2 tripped, then the Unit 3 Main Generator & reactor tripped. It was noticed that a Loss of Offsite Power (LOOP) to the switchyard had occurred. The SBCS was observed to be open after the reactor trip, then a MSIS actuation occurred due to an apparent failure of the SBCS. After the MSIS, I observed that SBCS valve #3 was open and modulating closed. I performed the STA post-trip actions of monitoring the EOP standard post-trip actions, EOP event diagnosis (discussed with the CRS & SM), and E-Plan event classifications. An NUE was declared based on EAL [2-1] and [8-2]. I performed the Safety Function Status Checks for the ESD EOP which were met. I prepared an ENS form, had it approved and notified the NRC via the ENS of the Unit 3 specific details. Bill Sullivan was already on the ENS phone and was discussing the status of each PVNGS status. I provided the details for Unit 3. The exit conditions were met for the ESD EOP, we then transitioned to the LOOP EOP. I performed the STA actions of EPIP-01 Section 6. I prepared the following rough outline and circulated it for input from the CR staff. We remain in the LOOP EOP until the RCPs are started. I'm continuing to monitor SFSCs and discuss with the CRS as this statement is written.

Unit 3 CR Log:

6/14/04

07:44 - A Loss of Offsite Power occurred, the Main Generator and Reactor tripped. A MSIS actuation occurred due to an apparent SBCS malfunction.

07:58 - An NUE was declared based on EAL [2-1] and [8-2]. Entered the Excess Steam Demand (ESD) EOP.

(STSC activated when)

08:12 - The Safety Function Status Checks (SFSC) for the ESD EOP met. The exit conditions were met for the ESD EOP, transitioned to the Loss of Offsite Power (LOOP) EOP.

09:27 - Offsite power restored to 13.8kV busses 3E-NAN-S06, -S04 &- S02.

08:17 - The Safety Function Status Checks for the LOOP EOP met.

09:57 – Paralleled offsite power to the 3EPBBS04 bus being supplied by DG 'B' and shutdown DG 'B'

10:24 – Continuous monitoring of SFSCs for LOOP EOP. STA/CRS discussed parameter values and trends (i.e. S/G levels, RCS subcooling, PZR level, Containment temperatures, etc.)

10:36 – Valve SGN-V928 located in 100' MSSS is blowing steam. Entry restricted to 100' MSSS

11:38 – Normal supply breaker 3ENANS05D successfully closed to restore offsite power to 13.8Kv bus 3ENANS05. Had contacted Electrical Maintenance for assistance in closing the breaker after it failed to close from B01 earlier. The breaker was racked down, then back up before it was closed from B01 successfully.

11:40 – EW 'A' surge tank level lowered unexpectedly following removal of cross-tie to supply SFP cooling. The level has been restored by manual makeup. Investigating source of leakage.

11:46 –SIP319 (SI header to RC loop 2A) alarming.

11:51 – Offsite power restored to 13.8Kv bus 3ENANS05, -S03 & -S01.

12:07 – NUE terminated for each PVNGS Unit.

12:15 – 'A' SDCHX relief valve, 3PEWPSV47 found to be lifting. The EW outlet valve 3MEWAHV53 was opened (was throttled per EOP guidance) and the relief valve 3PPSV47 reseated.

12:17 – 'A' DG secured following offsite power restoration to 3EPBAS03.

12:23 – PZR level restored to <56%

13:21 – Completed 72ST-9RX14, Shutdown Margin surveillance

14:00 – Remaining in the LOOP EOP, SFSCs continued to be monitored. STA/CRS periodically discuss appropriate parameter values and trends.

14:34 – MSIS signal has been reset.

15:00 – AFA-P01 operability impacted due to unavailability of critical steam traps.

15:03 - FWIV-132 has low accumulator pressure. Valve remains closed.

15:26 – SFSCs continued to be monitored. STA/CRS periodically discuss appropriate parameter values and trends.

16:15 – SIP319 (SI header to RC loop 2A) has been alarming since approximately 9:30. The header has been depressurized three times with subsequent re-pressurization. The rate of re-pressurization is less than the 1100#/min requiring performance of 40ST-9RC02, but the 'B' LPSI remains inoperable due the header pressure.