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ACCESSION NBR: 8805190191 DOC. DATE: 88/05/04 NOTARIZED: NO DOCKET #
 FACIL: 50-250 Turkey Point Plant, Unit 3, Florida Power and Light C 05000250
 50-251 Turkey Point Plant, Unit 4, Florida Power and Light C 05000251
 AUTH. NAME AUTHOR AFFILIATION
 CONWAY, W.F. Florida Power & Light Co.
 RECIP. NAME RECIPIENT AFFILIATION
 GRACE, J.N. Region 2, Ofc of the Director

See Rpt

SUBJECT: Forwards summary of mgt on shift weekly rept, per NRC 871019 order.

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Dr. J. Nelson Grace
Regional Administrator, Region II
U.S. Nuclear Regulatory Commission
101 Marietta Street, N. W., Suite 2900
Atlanta, Georgia 30323

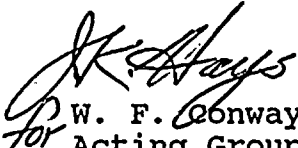
Re: Turkey Point Units 3 and 4
Docket Nos. 50-250 and 50-251
Management-on-Shift Weekly Report

Dear Dr. Grace:

Pursuant to the Nuclear Regulatory Commission Order dated October 19, 1987, the attached summary of Management-on-Shift (MOS) reports is submitted. The PS-N MOS Reports are also being submitted.

Should there be any questions on this information, please contact us.

Very truly yours,


for W. F. Conway
Acting Group Vice President
Nuclear Energy Department

WFC/SDF/gp

Attachment

cc: J. Lieberman, Director, Office of Enforcement, USNRC
Dr. G. E. Edison, Project Manager, NRR, USNRC
Senior Resident Inspector, USNRC, Turkey Point Plant
R. E. Tallon, President, FPL

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an FPL Group company

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MANAGEMENT ON SHIFT (MOS)

WEEK STARTING: 04/25/88

WEEKLY SUMMARY REPORT

PAGE 1 OF 2

Five MOS Observers were on shift. Ben W. Mikell, St. Lucie Outage and Planning Coordinator (4/26-5/01/88, days); Terry L. Fulkerson, Westinghouse Electric Corporation (4/26-5/02/88, evenings); Howard L. Schneider, Turkey Point Nuclear Plant Planned Maintenance Group (4/26-30/88, evenings); Jorge A. Labarrague, Turkey Point Senior Technical Advisor (4/30-05/01/88, evenings); Melvin O. Kulp, Turkey Point JPE Engineer (5/01-02/88, evenings).

Unit 3 Operated at 100% for the majority of the period, maneuvering to 40% on April 29, 1988 for Turbine Valve testing and then returning to 100% power.

Unit 4 operated at 100% through April 27, 1988 when the Unit was taken to cold shutdown to repair a Pressurizer Spray Valve.

No immediate safety problems were reported by MOS Observers during the reporting period.

No questionable work practices were reported by MOS Observers during the reporting period.

During the reporting period, the regular MOS Observers noted twenty-eight recommendations and areas for improvement. These comments and suggestions involved:

Five comments were offered associated with equipment operational considerations involved the Component Cooling Water Heat Exchanger anodes, weather protection for the 4A Screen Wash Pump motor connection box, the Unit 3 Steam Generator Feedwater Pump motor stator temperature, and a valve stem lubrication and cleaning program.

Six comments were offered for housekeeping and cleanliness improvements in the areas of the Control Room, Screen Wash Pump area, Cable Spreading Room, Main Generator and Transformer area and the Battery Room.

Four comments were made concerning the need for additional warning or information signs in the areas of the Charging Pump Rooms, Intake Structure, and the Nuclear Chemical Storage area.

ATTACHMENT: MOS DAILY REPORTS

8805190191

MANAGEMENT ON SHIFT (MOS)

WEEK STARTING: 04/25/88

WEEKLY SUMMARY REPORT

PAGE 2 OF 2

Three comments were made on industrial safety improvements associated with a flammable materials storage cabinet, spotlights on the Intake Structure and open pit covers near the Circulating Water Pumps discharge piping.

Three comments were made concerning communications associated with coordination of vendor repairman, Maintenance personnel shift turnovers and Operations end-of-shift briefings.

Seven miscellaneous comments were made associated with items such as the discharge location of an acid drain line in the Water Treatment Plant, Technical Specification considerations associated with a ventilation system plant change package, operational problems associated with the RCS Boundary check valve leak test and an insufficient number SCBA breathing units available for containment entry.

During the reporting period, the Plant Supervisor-Nuclear (PSN) MOS reporting program continued. The PSN-MOS reports did not identify any immediate safety problems.

The PSN's identified three questionable work practices during the reporting period. These items were associated with the timeliness of maintenance on Emergency Diesel Generator temperature indicators, a clearance release on a motor-operated valve prior to accomplishment of post maintenance testing and availability of information for the new temporary Control Room Ventilation System.

Additionally, the PSNs identified six areas for improvement. The suggestions included installation of a page at the First Aid Station, notification of the Control Room by the Land Management Group in case of heavy increase of grass in the canals and availability of maintenance and training instructions following plant modifications.

ATTACHMENT: MOS DAILY REPORTS

144

144

To: Operations Superintendent - Nuclear

Date: 04/25/88

From: B. W. Mikell
(MOS Observer)Shift: ☒ Day
☐ Night

A. Plant evolutions observed

- Morning Plan of the Day meeting
- Beginning of Day shift briefing
- Mid-day Plan of the Day update
- End of shift briefing (OPS)
- Both units 3 and 4 operating at 100% power
- "B" Emergency Diesel Generator out-of-service
- Beginning of peak shift briefing

B. Immediate safety problems

None

C. Questionable work practices

None

D. Area(s) for improvement

The end of shift briefing held in Control Room appears to be a non-productive source of confusion held at a time when the operators should be out making a thorough check of his operating equipment so that he is assured of turning over a "Full Deck" to the on-coming shift. This may be a good practice for Maintenance disciplines, but I question it for the operating environment.

E. Professionalism, Summary of Shift, Comments

Emphasis needs to continually be stressed on getting operating equipment returned to service in a timely manner. Operating with important equipment out-of-service lends itself to compounding problems due to additional surveillances and tests required when in this mode of operation.

F. Recommendations

None

Completed By: B. W. Mikell
MOS Observer

Date: 04/25/88

Reviewed By: J. L. F. F. F.
Operations Superintendent - Nuclear

Date: 4/26/88

Management
Review By:CJB 4/26/88
PM/N DateJL 4/26/88
SVP DateJL 4/26/88
VP Date

04/25/88

To: Operations Superintendent - Nuclear

Date: 04/25-26/88

From: Terry L. Fulkerson
(MOS Observer)Shift: ☐ Day
☒ Night

A. Plant evolutions observed

- Shift turnover, peaks to mids
- Rod Exercise Preventative Maintenance, Unit 4
- 100% power, Units 3 and 4

B. Immediate safety problems

None

C. Questionable work practices

None

D. Area(s) for improvement

None

E. Professionalism, Summary of Shift, Comments

Shifts turnover were concise and very informative.

F. Recommendations

None

Completed By: Terry L. Fulkerson
MOS Observer

Date: 04/25-26/88

Reviewed By: X. C. P. H. H. H.
Operations Superintendent - Nuclear

Date: 4/26/88

Management
Review By:

C. J. B. 11/26/88 SVP 11/26/88 VP 11/26/88
PM/N Date Date Date
04/25-26/88

To: Operations Superintendent - Nuclear

Date: 04/25-26/88

From: H. L. Schneider
(MOS Observer)Shift: ☐ Day
☒ Night

A. Plant evolutions observed

- End of shift (peaks) meeting
- Beginning of shift (mids) meeting
- Unit 4 Rod Exercise
- Toured:
 - Emergency Diesel Generator area
 - Turbine area
 - "B" Motor Control Center area
 - Auxiliary Building

B. Immediate safety problems

None

C. Questionable work practices

None

D. Area(s) for improvement

None

E. Professionalism, Summary of Shift, Comments

Good turnover among shift, beneficial discussions during meeting.

F. Recommendations

1. 3D3I/4D3I "Non-vital" Battery Bus room
 - Remove chair from southeast corner of room
 - Paint or scrub inside of fire door 103 to eliminate graffiti
2. Make repair to 4A Component Cooling Water Heat Exchanger leaking anode as soon as possible. It is presently held in place with rope.

Completed By: H. L. Schneider
MOS Observer

Date: 04/25-26/88

Reviewed By: [Signature]
Operations Superintendent - Nuclear

Date: 4/26/88

Management
Review By:

C/B 1/1/88 SVP 4/26/88 VP 4/26/88
PM-N Date Date Date Date
04/25-26/88

Date Started 04/25/88

PSN MOS

Date Finished 04/25/88

Initiating PSN Jones PSN _____ Completed PSN _____

Initiating APSN Haley APSN _____ Completed APSN _____

A. Questionable Work Practices/Actions Taken/Recommendations

On 4/13/88 the "B" Emergency Diesel Generator (EDG) failed a periodic test due to faulty temperature indicators. On 4/24/88 the "B" EDG was removed from service for repair of the air start regulator and temperature instruments. This maintenance required the Diesel Generator Cooling System to be drained. Temperature Switch 1400B failed and no replacement was onsite. It seems inadequate job preplanning has again caught us, causing excessive testing of safeguards equipment.

B. Area(s) for Improvement/Recommendations/Actions Taken

3A Intake Cooling Water Strainer was cleaned by Maintenance and returned to service at 1658, 4/25/88. At 9 PM the Differential Pressure (DP) was up to 1.5" DP and was backwashed per 3-OP-019, section 7.2 for 30 minutes. The DP only decreased to 1.3". Normally it is reduced to about 0.7 to 0.9 inches DP.

C. Good Practices/Professionalism Observed

None

Reviewed By T.W. Yance Date 4/26/88 Actions Completed _____ Date _____

WKL/y

0-ADM-019

Management on Shift (MOS)
MOS DAILY REPORT

Page

1

To: Operations Superintendent - Nuclear

Date: 04/26/88

From: B. W. Mikel
(MOS Observer)

Shift: ☒ Day
☐ Night

- A. Plant evolutions observed
- End of shift briefing
 - Plan of the Day meeting
 - Oncoming shift briefing
 - Plan of the Day meeting @1300
- B. Immediate safety problems
- None
- C. Questionable work practices
- None
- D. Area(s) for improvement
- None
- E. Professionalism, Summary of Shift, Comments
- No comments
- F. Recommendations
- None

Completed By: B. W. Mikel
MOS Observer

Date: 04/26/88

Reviewed By: J. W. Lawrence
Operations Superintendent - Nuclear

Date: 4/27/88

Management
Review By:

PM-N 11/2/88 Date SVR 11/27/88 Date VP 1 Date
04/26/88

To: Operations Superintendent - Nuclear

Date: 04/26-27/88

From: Terry L. Fulkerson
(MOS Observer)Shift: ☐ Day
☒ Night

A. Plant evolutions observed

- Shift change, peaks to mids
- 100% power operations, Units 3 and 4
- Diesel load run on B Emergency Diesel (return to service)

B. Immediate safety problems

None

C. Questionable work practices

None

D. Area(s) for improvement

None

E. Professionalism, Summary of Shift, Comments

1. "B" Diesel Generator (D/G) failed to start on the first attempt to return it to service. The operators and shift supervision investigated and found no apparent cause. They reran the test from the beginning including systems lineup for the D/G. D/G started on the second attempt and load test was begun.

F. Recommendations

None

Completed By: Terry L. Fulkerson
MOS Observer

Date: 04/26-27/88

Reviewed By: *C. J. Prince*
Operations Superintendent - Nuclear

Date: 4/27/88

Management
Review By:*C. J. Prince* 4/27/88 *VP* 4/27/88
PM/N Date SVB Date VP Date
04/26-27/88

To: Operations Superintendent - Nuclear

Date: 04/26-27/88

From: H. L. Schneider
(MOS Observer)Shift: ☐ Day
☒ Night

A. Plant evolutions observed

- End of shift (peaks) meeting
- Beginning of shift (mids) meeting
- "A" Emergency Diesel Generator test run
- "B" Emergency Diesel Generator return to service and associated test run
- Areas toured:
 - Intake
 - "A" & "B" Emergency Diesel Generator Rooms
 - Unit 3 & Unit 4 4160 Volt Switchgear Rooms
 - Unit 3 & Unit 4 Control Rod Drive Mechanism Motor Generator Set Rooms
 - Cable Spreading Room
 - Inverter Room
 - Auxiliary Building & Radwaste Building
- Component Cooling Water Heat Exchanger

B. Immediate safety problems

None

C. Questionable work practices

None

D. Area(s) for improvements

No recommendations



E. Professionalism, Summary of Shift, Comments

Good shift meetings being conducted by APSN

F. Recommendations

1. 4A Screen Wash Pump motor is removed. The motor connection box needs to be weather protected; i.e., covered with a plastic bag.
2. Operations is experiencing high motor stator temperatures on Unit 3 Steam Generator Feedwater Pumps. Reinstallation of the suitcase lagging on the pump discharge check valves would help lower the room temperature.

Completed By: H. L. Schneider
MOS Observer

Date: 04/26-27/88

Reviewed By: [Signature]
Operations Superintendent - Nuclear

Date: 4/27/88

Management
Review By:

C/P 14/27/88 [Signature] 14/27/88 VP 1
PM/N Date SVP Date VP Date
04/26-27/88

Date Started 04/26/88

PSN MOS

Date Finished 04/27/88

Initiating PSN Wogan PSN _____ Completed PSN Wogan

Initiating APSN Singer APSN _____ Completed APSN Singer

A. Questionable Work Practices/Actions Taken/Recommendations

None

B. Areas for Improvement/Recommendations/Actions Taken

None

C. Good Practices/Professionalism Observed

Operations observed were all done with proper guidance and professionalism.

Reviewed By L. P. P. P. Date 4/27/88 Actions Completed _____ Date _____

To: Operations Superintendent - Nuclear

Date: 04/27/88

From: B. W. Mikell
(MOS Observer)Shift: ☒ Day
☐ Night

A. Plant evolutions observed

- End of shift briefing
- Plan of the Day meeting
- Beginning of shift briefing
- Safeguard Relay Rack Trains A and B, periodic test - Unit 4
- Plan of the Day meeting @ 1300
- End of Shift briefing
- Beginning of shift briefing
- Observed Operations analyze 2.5 GPM leak in RCS on Unit 4. They have identified that the leak is going to Pressurizer Relief Tank and are taking action to identify source.

B. Immediate safety problems

None

C. Questionable work practices

None

D. Area(s) for improvement

None

E. Professionalism, Summary of Shift, Comments

None

F. Recommendations

None

Completed By: B. W. Mikell
MOS Observer

Date: 04/27/88

Reviewed By: *J. A. Pearce*
Operations Superintendent - Nuclear

Date: 4/28/88

Management
Review By:

Q/B 14/28/88 *VP* 4/28/88
PM-N Date SVP Date VP Date
04/27/88

To: Operations Superintendent - Nuclear

Date: 04/27-28/88

From: Terry L. Fulkerson
(MOS Observer)Shift: ☐ Day
☒ Night

A. Plant evolutions observed

- Shift turnover, peaks to mids
- Unit 4 shutdown
- Unit 3, 100% power operation
- Outside area tour
- Unit 4 Containment entry

B. Immediate safety problems

None

C. Questionable work practices

None

D. Area(s) for improvement

None

1.

2.

3.

4.

5.

6.

7.

8.

E. Professionalism, Summary of Shift, Comments

1. Unit 4 shutdown was due to leakage to the Pressurizer Relief Tank. The unit was shutdown even though not required by the Technical Specifications. The unit shutdown was conducted by license class students, under the direct supervision of licensed operators. Two additional operators were called in to facilitate the shutdown. This shutdown was conducted in a slow professional manner.
2. A Unit Four Containment entry was made at power to try to locate and isolate the source of the leak. No leaks were found. The entry team was given a list of special valves to check which were determined by the plant supervision to be the most likely sources of leakage. When no obvious source was found, the decision was made to shutdown to enable a more extensive search inside the Containment.
3. Data was collected during the shutdown for analog control rod position indication vs. bank demand indication alignment procedure.
4. During the Unit 4 shutdown, Unit 3 experienced a spike on one of the controlling Reactor Coolant System Average Temperature Channels. This resulted in an inward motion of the control rods. The Unit 3 operator quickly diagnosed the problem and selected out the affected channel. He informed the PSN and notified I&C to investigate the problem.

F. Recommendations

None

Completed By: Terry L. Fulkerson
MOS ObserverDate: 04/27-28/88Reviewed By: *L. W. Fulkerson*
Operations Superintendent - NuclearDate: 4/28/88Management
Review By:

JTB 14/28/88 *JTB* 14/28/88
PM-N Date SV Date VP Date

04/27-28/88



100



To: Operations Superintendent - Nuclear

Date: 04/27-28/88

From: H. L. Schneider
(MOS Observer)Shift: ☐ Day
☒ Night

A. Plant evolutions observed

- Unit 4 shutdown
- End of shift (peaks) meeting
- Beginning of shift (mids) meeting
- Electrical Department investigating a fire zone problem

B. Immediate safety problems

None

C. Questionable work practices

None

D. Areas for improvement

No recommendations

E. Professionalism, Summary of Shift, Comments

Unit 4 shutdown handled in a professional manner.

F. Recommendations

1. There is a need to evaluate the number of SCBA units which are available. There were only four functional units available. The lack of these units hindered the assessment of the leak problem in Unit 4 Containment.
2. Operations and Maintenance need to decide on a firm game plan for addressing the Steam Generator Feed Pump (SGFP) motor high stator temperature problem. Maintenance received direction, then, the next shift changed that direction. SGFP motor high stator temperature is a problem every summer.
3. Operations requested Weathertron to investigate the increasing temperature in Unit 3 Control Rod Drive Mechanism Motor-Generator Set Room. They have not received feedback in this regard.
4. Flammable material storage cabinet located by 4E Motor Control Center needs to have the upper and lower vent plugs removed.
5. Construction working on 3A1 and 4A1 Circulating Water Pump discharge piping and the pit covers are open. The area is very poorly roped/barricaded off for personnel protection and safety.
6. The Crouse-Hinds spot lights which shine toward the intake on the north and south end of the intake structure are not working.
7. The identification sign for the inside of gate number NR-108 is laying on the ground to the left of the gate.
8. The eye wash fountain/emergency shower located on the west side of the Nuclear Chemistry storage area has no sign identification anywhere near it.
9. Bolts and parts for 4A Screen Wash Pump are laying by the pump base. These parts should be properly stored so that they are available for pump and motor reassembly.
10. The cleanliness and lighting in the turbine area is outstanding.

Completed By: H. I. Schneider
MOS ObserverDate: 04/27-28/88Reviewed By: L. W. Pearce
Operations Superintendent - NuclearDate: 4/28/88Management
Review By:CJB 14/28/88 VP 14/29/88 VP 1
PM-N Date SVP Date VP Date

04/27-28/88

Date Started 04/27/88

PSN MOS

Date Finished 04/28/88

Initiating PSN Wogan PSN _____ Completed PSN Wogan
Initiating APSN Singer APSN _____ Completed APSN Singer

A. Questionable Work practices/Actions Taken/Recommendations

None

B. Areas for Improvement/Recommendations/Actions Taken

None

C. Good practices/Professionalism Observed

Nicely executed unit shutdown for leak investigation. Operations supported Reactor Engineering on rod motion data taking. This will support future elimination of control rod position indication misalignment problems.

Containment entry was made and leakage was found on Pressurizer Spray Valve packing leakoff. Big effort on part of the Nuclear Operator, Bobby Carson in SCBA equipment.

Reviewed By *L.W. Pearce* Date *4/28/88* Actions Completed _____ Date _____

To: Operations Superintendent - Nuclear

Date: 04/28/88

From: B. W. Mikell
(MOS Observer)Shift: ☒ Day
☐ Night

A. Plant evolutions observed

- End of mid shift briefing
- Plan of the Day meeting
- Beginning of day shift briefing
- Plan of the Day update at 1300
- Beginning of peak shift briefing
- Unit 3 at 100% power
- Unit 4 in Mode 3

B. Immediate safety problems

None

C. Questionable work practices

None

D. Area(s) for Improvement

None

E. Professionalism, Summary of Shift, Comments

No comment

F. Recommendations

None

Completed By: B. W. Mikell
MOS Observer

Date: 04/28/88

Reviewed By: *[Signature]*
Operations Superintendent - Nuclear

Date: 4/29/88

Management
Review By:*CJ* 4/29/88 *[Signature]* 4/29/88
PM/N Date SVP Date VP Date
04/28/88

To: Operations Superintendent - Nuclear

Date: 04/28-29/88

From: Terry L. Fulkerson
(MOS Observer)Shift: ☐ Day
☒ Night

A. Plant evolutions observed

- Shift turnover, peaks to mids
- Cooldown of Unit 4
- 100% power operation of Unit 3

B. Immediate safety problems

None

C. Questionable work practices

None

D. Area(s) for improvement

1. The work package for modification of the Control Room Ventilation, requires a Control Room Air Handler to be disabled. Disabling the air handler places the units in a Technical Specification action statement. Closer review of this modification package addressing all possible plant conditions during the modification would have prevented the Technical Specification problem.
2. Maintenance groups need to ensure all Hot Items are turned over from shift to shift.
3. The procedure for testing a check valve leakage on Unit 4 prior to cooldown contained a problem which required the test to be extended delaying the cooldown of the unit. A better review of the procedure prior to implementation would have prevented the delay.

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E. Professionalism, Summary of Shift, Comments

1. During shift turnover the I&C Supervisor was unaware of two items the APSN wanted him to work on, even though the items were on the Hot Items List.
2. Much confusion resulted from the Control Room Ventilation modification work packages. There was a concern that a Technical Specification action statement was not addressed when the work package was approved. The procedure requires disabling one of the air handlers for the Control Room. Disabling the air handler places both units in a Technical Specification action statement (72 hours by ADM-021 and 84 hours by legal Technical Specifications). The provision of ADM-021 was waived and the Licensing Department is looking into the engineering aspects of this modification.
3. The cooldown of Unit 4 was delayed by the testing of check valve leakage and subsequent problems with the procedure.
4. The R-11 and R-12 Containment Radiation Monitors were placed out-of-service due to a faulty sample pump.

F. Recommendations

1. Proposed changes to safeguards equipment need to be reviewed for all possible plant conditions and discussed with all affected departments, i.e., Operations, Compliance, Engineering, etc. A procedure that requires entering a Technical Specification action statement needs to be reviewed and Technical Specification waivers be considered prior to implementation.
2. Test procedures that are performed during plant limiting conditions need to be more closely reviewed to prevent delaying operational requirements.

Completed By: Terry L. Fulkerson
MOS ObserverDate: 04/28-29/88Reviewed By: [Signature]
Operations Superintendent - NuclearDate: 4/29/88Management
Review By:

CJB 4/29/88 [Signature] 4/29/88 1
PM/N Date SVR Date VP Date
04/28-29/88

To: Operations Superintendent - Nuclear

Date: 04/28-29/88

From: H. L. Schneider
(MOS Observer)Shift: ☐ Day
☒ Night

A. Plant evolutions observed

- Unit 3 at 100% power
- Unit 4 in Mode 3/Mode 4
- End of shift (peaks) meeting
- Beginning of shift (mids) meeting

B. Immediate safety problems

None

C. Questionable work practices

None

D. Area(s) for improvement

None identified

E. Professionalism, Summary of Shift, Comments

No comments

F. Recommendations

1. Work being turned over between maintenance shifts did not address the equipment Operations wanted worked.
2. Install a hinge pin in Auxiliary Building/breezeway fire door (058.2). Top hinge on south door causes the door to stay ajar.

Completed By: H. L. Schneider
MOS Observer

Date: 04/28-29/88

Reviewed By: [Signature]
Operations Superintendent - Nuclear

Date: 4/29/88

Management
Review By:

CJS, 4/29/88 PM-N Date SVP [Signature], 4/29/88 Date VP [Signature] Date

Date Started 04/28/88

PSN MOS

Date Finished 04/28/88

Initiating PSN Schimkus PSN _____ Completed PSN Schimkus

Initiating APSN Murphy APSN _____ Completed APSN Murphy

A. Questionable Work Practices/Actions Taken/Recommendations

None

B. Areas for Improvement/Recommendations/Actions Taken

None

C. Good Practices/Professionalism Observed

None

Reviewed By D.W. Fennell Date 4/29/88 Actions Completed _____ Date _____

To: Operations Superintendent - Nuclear

Date: 04/29/88

From: B. W. Mikell
(MOS Observer)Shift: ☒ Day
☐ Night

A. Plant evolutions observed

- End of mid shift briefing
- Plan of the Day meeting
- Plan of the Day update at 1300
- End of day shift briefing
- Beginning of peak shift briefing
- Unit 3 at 100% power
- Unit 4 in Mode 4 on steam dump temperature control

B. Immediate safety problems

None

C. Questionable work practices

None

D. Area(s) for improvement

None

E. Professionalism, Summary of Shift, Comments

Residual Heat Removal Suction Valve MOV-750 would not open. The Unit 4 Reactor Coolant System cooldown is being delayed until valve problem is resolved.

F. Recommendations

None

Completed By: B. W. Mikell
MOS Observer

Date: 04/29/88

Reviewed By: *[Signature]*
Operations Superintendent - Nuclear

Date: 5/2/88

Management
Review By:

PM-N *[Signature]* 5/2/88
Date SVR Date VP Date
04/29/88



To: Operations Superintendent - Nuclear

Date: 04/29-30/88

From: Terry L. Fulkerson
(MOS Observer)Shift: ☐ Day
☒ Night

A. Plant evolutions observed

- Shift turnover, peaks to mids
- Unit 4 troubleshooting of Residual Heat Removal Suction Valve
- Unit 3, performance of Turbine Control Valve Test
- Turbine Building tour

B. Immediate safety problems

None

C. Questionable work practices

None

D. Area(s) for improvement

1. In January I wrote a discrepancy on exposed valve thread maintenance. I was told a program was implemented to provide for periodic maintenance on these valves. There is no evidence that any maintenance program is in place. These valves of rising stem design with exposed thread really must be periodically cleaned to prevent sticking, binding, and just hard valve operation.

E. Professionalism, Summary of Shift, Comments

None

F. Recommendations

See D-1

Completed By: Terry L. Fulkerson
MOS Observer

Date: 04/29-30/88

Reviewed By: *L.W. Fulkerson*
Operations Superintendent - Nuclear

Date: 5/2/88

Management
Review By:

PM-N

Date

SVP

Date

VP

Date



To: Operations Superintendent - Nuclear

Date: 04/29-30/88

From: H. L. Schneider
(MOS Observer)Shift: ☐ Day
☒ Night

A. Plant evolutions observed

- End of shift (peaks) meeting
- Stroking of valve MOV 4-750
- Unit 3 ramp down to 40%
- Beginning of shift (mids) meeting
- Unit 3 Turbine Valve test
- Unit 3 ramp up at 3% per hour
- "A" Emergency Diesel Generator operability test
- Toured Intake area and RCA
- Barrel removal from 3A1 Circulating Water Pump Well

B. Immediate safety problems

None

C. Questionable work practices

None

D. Area(s) for improvement

None

E. Professionalism, Summary of Shift, Comments

No comment

F. Recommendations

None

Completed By: H. L. Schneider
MOS Observer

Date: 04/29-30/88

Reviewed By: *L. W. Plante*
Operations Superintendent - Nuclear

Date: 5/2/88

Management
Review By:

PM-N

Date

SVP

Date

VP

Date 04/29-30/88

Date Finished 04/29/88

Initiating PSN _____ Salkeld _____ PSN _____ Completed PSN _____ Salkeld _____
Initiating APSN _____ Haley _____ APSN _____ Completed APSN _____ Haley _____

A clearance on Valve MOV-3-1403 was released prior to review of the Post Maintenance Test data. When the data was reviewed it was found not to meet the acceptance criteria. This could have resulted in returning MOV-1403 to service prior to its being operable. This matter was discussed with the Assistant Maintenance Superintendent, Electrical.

None

The Assistant Maintenance Superintendant, Electrical concurred and discussed the problem in detail with the APSN and PSN. He is taking immediate actions to prevent this from reoccurring.

Reviewed By JW Faine : Date 5/2/88 Actions Completed _____ Date _____

Date Started 04/29/88

PSN MOS

Date Finished 04/29/88

Initiating PSN Jones PSN _____ Completed PSN Jones

Initiating APSN Haley APSN _____ Completed APSN Haley

A. Questionable Work Practices/Actions Taken/Recommendations

None

B. Areas for Improvement/Recommendations/Actions Taken

None

C. Good Practices/Professionalism Observed

Yes

Reviewed By LW Paine : Date 5/2/88 Actions Completed _____ Date _____

PSN MOS

Date Started 04/29/88

Date Finished 04/29/88

Initiating PSN Wogan PSN _____ Completed PSN Wogan
Initiating APSN Singer APSN _____ Completed APSN Singer

A. Questionable Work Practices/Actions Taken/Recommendations

None

B. Areas for Improvement/Recommendations/Actions Taken

None

C. Good practices/Professionalism Observed

Yes

Reviewed By L. W. Pinner Date 5/2/88 Actions Completed _____ Date _____



To: Operations Superintendent - Nuclear

Date: 04/30/88

From: B. W. Mikell
(MOS Observer)Shift: ☒ Day
☐ Night

A. Plant evolutions observed

- End of mid shift briefing
- Plan of the Day meeting
- Plan of the Day update at 1300
- "B" Emergency Diesel Periodic Test
- Load was being increased slowly on Unit 3 throughout the day

Note: No. 4 Unit still on hold in Mode 4 for valve MOV-750 to be repaired and leak tested.

B. Immediate safety problems

None

C. Questionable work practices

None

D. Area(s) for improvement

None

E. Professionalism, Summary of Shift, Comments

No comment

F. Recommendations

None

Completed By: B. W. Mikell
MOS Observer

Date: 04/30/88

Reviewed By: *L. W. Pearce*
Operations Superintendent - Nuclear

Date: 5/2/88

Management
Review By:

PM-N *1* Date *5/2/88* SVP *VP* Date *1* VP Date *04/30/88*

To: Operations Superintendent - Nuclear

Date: 04/30-05/01/88

From: Terry L. Fulkerson
(MOS Observer)Shift: ☐ Day
☒ Night

A. Plant evolutions observed

- Shift turnover, peaks to mids
- Residual Heat Removal cooldown on Unit 4
- Power escalation to 100% on Unit 3

B. Immediate safety problems

None

C. Questionable work practices

None

D. Area(s) for improvement

None

E. Professionalism, Summary of Shift, Comments

1. Cooldown of Unit 4 went smoothly
2. Up power on Unit 3 went well

F. Recommendations

None

Completed By: Terry L. Fulkerson
MOS Observer

Date: 04/30-05/01/88

Reviewed By: S.W. Pearce
Operations Superintendent - Nuclear

Date: 5/2/88

Management
Review By:

PM-N 1 Date 5/2/88 SVP [Signature] Date 1 VP 1 Date 04/30-05/01/88

To: Operations Superintendent - Nuclear

Date: 04/30-05/01/88

From: J. A. Labarraque
(MOS Observer)Shift: ☐ Day
☒ Night

A. Plant evolutions observed

- Channel head replacement of the 4A Component Cooling Water Heat Exchanger
- Followed no activities in the Auxilliary Building
- Plant tour of Auxilliary Feedwater, Feedwater, Secondary and Auxilliary Building
- Observed Unit 4 cooldown activities

B. Immediate safety problems

None

C. Questionable work practices

None

D. Area(s) for improvement

1. Observed numerous bugs around the Control Room kitchen. The fumigation frequency should be increased.
2. The Control Room carpet and ceiling cleaning frequency should be increased. According to the PSN, the carpet is scheduled for cleaning on Sunday, however there are no specific plans for the ceiling, (very dirty).
3. Caution and information sign (hearing protection requirements) installed on the Unit 3 and 4 charging pump doors should be also displayed on the wall above the door. The reason for the suggestion is that the signs are not visible when the doors are open.

E. Professionalism. Summary of Shift, Comments

The operators used the applicable procedures during plant evolutions. Personnel were alert and active.

F. Recommendations

1. Increase fumigation frequency for the Control Room kitchen.
2. Clean Control Room carpet and ceiling.
3. Relocate or add the caution sign on the Charging Pump Room doors to the wall.

Completed By: J. A. Labarraque
MOS Observer

Date: 04/30-05/01/88

Reviewed By: J. W. Pearce
Operations Superintendent- Nuclear

Date: 5/2/88

Management
Review By:

PM-N 1 Date VP 1 Date VP 1 Date
04/30-05/01/88

Date Started 04/30/88

PSN MOS

Date Finished 04/30/88

Initiating PSN Salkeld PSN _____ Completed PSN Salkeld

Initiating APSN _____ APSN _____ Completed APSN _____

A. Questionable Work Practices/Actions Taken/Recommendations

None

B. Areas for Improvement/Recommendations/Actions Taken

Unable to page Bechtel First Aid when Maintenance personnel fell off Component Cooling Water Heat Exchanger. Recommend a plant page be installed at Bechtel First Aid.

C. Good Practices/Professionalism Observed

Yes

Reviewed By L.A. Pearce Date 5/2/88 Actions Completed _____ Date _____

PSN MOS

Date Started 04/30/88

Date Finished 04/30/88

Initiating PSN Jones PSN _____ Completed PSN Jones

Initiating APSN Haley APSN _____ Completed APSN Haley

A. Questionable Work Practices/Actions Taken/Recommendations

None

B. Areas for Improvement/Recommendations/Actions Taken

None

C. Good Practices/Professionalism observed

Yes

Reviewed By *J. W. Pearce* Date 5/2/88 Actions Completed _____ Date _____

PSN MOS

Date Started 04/30/88

Date Finished 04/30/88

Initiating PSN Wogan PSN _____ Completed PSN Wogan
Initiating APSN Singer APSN _____ Completed APSN Singer

A. Questionable Work Practices/Actions Taken/Recommendations

None

B. Areas for Improvement/Recommendations/Actions Taken

1. Upgrade procedures are being revised and implemented without regard to personnel resources or time constraints already built in the system. Within the past week I have experienced problems with procedures with "nice to have changes" rather than "need to have" changes that seriously compromise the effectiveness of the personnel performing them. Superfluous steps cloud the intent of good procedures. We need to get a better grip on reality. The looking good and triple verification changes are killing Operations.
2. Have Land Management communicate grass breakthroughs to the Control Room. In the past the Land Management group has observed large increased grass activity in the canals and called the Control Room. This permits starting the Circulating Water Pump traveling screens in advance.

C. Good Practices/professionalism Observed

Yes

Reviewed By L.W. Parie Date 5/2/88 Actions Completed _____ Date _____



To: Operations Superintendent - Nuclear

Date: 05/01/88

From: B. W. Mikell
(MOS Observer)Shift: ☒ Day
☐ Night

A. Plant evolutions observed

- End of mid shift briefing
- Plan of the Day meeting
- Cooling down Pressurizer for draining to 80% level
- Draining Pressurizer to 80% level
- Both Unit 3 Turbine Plant Cooling Water Heat Exchangers Intake Cooling Water Heat Exchangers Intake Cooling Water Strainers had high differential pressure.
- Maintenance is working on Component Cooling water Heat Exchangers

B. Immediate safety problems

None

C. Questionable work practices

None

D. Area(s) for Improvement

None

E. Professionalism, Summary of Shift, Comments

No comments

F. Recommendations

None

Completed By: B. W. Mikell
MOS Observer

Date: 05/01/88

Reviewed By: L. W. Pearce
Operations Superintendent - Nuclear

Date: 5/2/88

Management
Review By:

PM-N

Date

SVP

Date

VP

Date

05/01/88

To: Operations Superintendent - Nuclear

Date: 05/01-02/88

From: Terry L. Fulkerson
(MOS Observer)Shift: ☐ Day
☒ Night

A. Plant evolutions observed

- Shift turnover, peaks to mids
- Pressurizer drain down on Unit 4
- 100% power operations on Unit 3
- Grass problems on Circulating Water Intakes

B. Immediate safety problems

None

C. Questionable work practices

None

D. Area(s) for improvement

None

E. Professionalism, Summary of Shift, Comments

1. A severe grass problem developed that required continuous cleaning and basic washing of the Circulating Water Intake Strainers. A high priority placed on this and no adverse affects resulted.
2. The shift turnover was very professional and informative. The grass problem was covered and prioritized.

F. Recommendations

None

Completed By: Terry L. Fulkerson
MOS Observer

Date: 05/01-02/88

Reviewed By: *L.W. Pearce*
Operations Superintendent - Nuclear

Date: 5/2/88

Management
Review By:

PM-N

Date

SVP

Date

VP

Date

05/01-02/88

To: Operations Superintendent - Nuclear

Date: 05/01-02/88

From: Melvin O. Kulp
(MOS Observer)Shift: ☐ Day
☒ Night

A. Plant evolutions observed

- Steady state power operation of Unit 3
- Shutdown operation of Unit 4
- Walkdown of southeast perimeter fence
- Removal of debris from intake by Maintenance personnel
- Walkthrough of Water Treatment Plant
- Shift turnover in the Control Room
- Preliminaries and testing of the backup power supply (Diesel) for the Control Room Heating, Ventilation and Air Conditioning Temporary Filter Heater
- Walkthrough of the Cable Spreading Room

B. Immediate safety problems

None

C. Questionable work practices

None

D. Area(s) for improvement

1. Maintenance personnel cleaning debris (floating grass) from the intake structure lower catwalk did not wear life vests. In performing this task they would lean over the railing and skim the grass floating on top of the water. The Maintenance Supervisor requested that life jackets be obtained, but I observed workers without life jackets two hours later. I recommend that a sign be placed on the gate to the catwalk requiring life jackets be donned before entering.
2. The page speakers in the area just west of the Water Treatment Plant seemed to distort the sound to the point of being inaudible. I recommend that Maintenance investigate this and fix the problem. I have initiated a PWO for this task.
3. Water Treatment Plant concentrated acid line drain pipe is hard piped to a storm drain. This is an unauthorized design and it violates environmental regulations. Concentrated acid will deteriorate the pipe and result in undermining the area. It was previously recommended in my MOS report of 3/13/88 to restore this line to the authorized design contained in Plant Change Modification 85-195 Rev. 4 which routes the concentrated acid discharge to a poly bottle. I recommend restoring the line to the authorized design. I have initiated a PWO for this task.

4. In my walkdown of the Cable Spreading Room I observed many of the same items not secured that I had indicated on my 3/14/88 MOS report. A large amount of safety-related and quality-related cables and equipment is located in the Cable Spreading Room. Nonsafety and portable equipment must be removed or safely secured so that it is not capable of damaging safety-related equipment in a seismic event. I recommend removal or properly supporting the following equipment:
- a) Digital Data Processing System Panel, Teletype machine and chair
 - b) Large portable Halon Fire Extinguisher
 - c) Fire watch table and chairs
 - d) Two drawer file cabinet with National Bureau of Standards time indicator resting on top. This is located in the southwest corner of the room.
5. The wooden and chicken wire structure still remains tielwrapped to the back of Generator and Main Transformer Panels 4C 11(G) and Auxilliary and Startup Transformer Panel 4C 11(T). I recommend this structure be completely removed. I have prepared a PWO for the above.

E. Professionalism, Summary of Shift, Comments

Guards encountered in my walk along the perimeter fence and stationed at the gate to access the intake area lower catwalk were alert and aware of area restrictions. All personnel entering the plant from the lower catwalk were given a metal frisk and hands-on search upon entering the plant protected area.

F. Recommendations

See Section D.

Completed By: Melvil O. Kulp
MOS Observer

Date: 05/01-02/88

Reviewed By: L.W. Pearce
Operations Superintendent- Nuclear

Date: 5/2/88

Management
Review By:

PM-N 1 Date 5/2/88 SVP 1 Date 5/2/88 VP 1 Date 5/01-02/88



WPK

PSN MOS

Date Started 05/01/88

Date Finished 05/01/88

Initiating PSN Wogan PSN _____ Completed PSN Wogan

Initiating APSN Singer APSN _____ Completed APSN Singer

A. Questionable Work practices/Actions Taken/Recommendations

None

B. Areas for Improvement/Recommendations/Actions Taken

None

C. Good Practices/Professionalism observed

Yes

Reviewed By L. W. Pearce Date 5/2/88 Actions Completed _____ Date _____

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PSN MOS

Date Started 05/01/88

Date Finished 05/01/88

Initiating PSN Jones PSN _____ Completed PSN Jones

Initiating APSN Haley APSN _____ Completed APSN Haley

A. Questionable Work Practices/Actions Taken/Recommendations

At 1857, 4/27/88, the Control Room temporary Heating, Ventilating and Air Conditioning System was turned over to the plant as satisfactorily tested by Procedure TP-435. During the first weekly test it failed to transfer back to normal power in required time placing the unit in a 72 hour Limiting Condition for Operation. The Startup Department was contacted and made an "adjustment". At 1835, 5/01/88, it was tested again and failed to transfer to emergency power in the required time (less than 15 seconds required; actual time, 52 seconds). Again startup was called but no one has accepted responsibility for maintenance of this unit which has a direct affect on the operation of Unit 3. Neither our Electrical or Mechanical Maintenance have any troubleshooting procedures for this unit. Also, again, this system was turned over to Operations without any operator training prior to the turnover or even after the turnover of the unit.

B. Areas for Improvement/Recommendations/Actions Taken

1. Insure new systems have some responsible department for maintenance.
2. Insure operators are trained on systems prior to system turnover to plant.

C. Good Practices/Professionalism Observed

No comment

Reviewed By L.W. Jones Date 5/2/88 Actions Completed _____ Date _____

