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 50-251 Turkey Point Plant, Unit 4, Florida Power and Light C 05000251
 AUTH. NAME AUTHOR AFFILIATION
 WOODY, C. O. Florida Power & Light Co.
 RECIP. NAME RECIPIENT AFFILIATION
 GRACE, J. N. Region 2, Ofc of the Director

SUBJECT: Forwards summary of mgt-on-shift repts, per NRC 871029 order.

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L-87-461

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

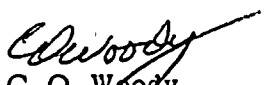
Re: Turkey Point Units 3 and 4
Docket Nos. 50-250 and 50-251
Management-on-Shift Weekly Report

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.

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

Very truly yours,


C. O. Woody
Group Vice President
Nuclear Energy

COW/SDF/cn
Attachment

cc: D. G. McDonald, Project Manager, NRR, USNRC
Senior Resident Inspector, USNRC, Turkey Point Plant
R. E. Tallon, President, FPL

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an FPL Group company

MANAGEMENT ON SHIFT (MOS)

WEEKLY SUMMARY REPORT

WEEK STARTING: November 2, 1987

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During this period, (November 2 through November 8, 1987), four persons were on shift: Paul Geddes, Westinghouse; M.G. Altermatt from the St. Lucie Plant; P.W. Hughes, Turkey Point Health Physics Supervisor; and J. A. Labarraque, Technical Department Supervisor.

While on shift, these individuals reported on potential safety problems, questionable work practices, operating strengths, areas for improvement and general recommendations.

Four areas of concern were identified during the week:

- 1) On November 4, 1987, during the performance of a routine surveillance procedure for the control room emergency ventilation system, three conduit openings were discovered in the emergency ventilation fan room which were identified as possible fire barrier breaches. These conduit openings were promptly sealed with metal caps. A review of this event will be done to determine the root cause and proper corrective actions.
- 2) On November 4, 1987 a concern was identified in that the continuous fire watch in the cable spreading room was inadequate. When questioned by the "Management On Shift" (MOS) personnel on his duties, the person on watch could not state the complete reason he was stationed in the room. Additional guidance is being provided to fire watch personnel.
- 3) During the performance of a routine surveillance procedure for the control room ventilation system, a reactor control operator (RCO) was observed climbing steam pipes to verify the local position of a damper. The RCO was observed not following Industrial Safety Rules during this evolution. This evolution will be reviewed by the plant Safety Coordinator.
- 4) On November 5, 1987, a component cooling water (CCW) leak on the seal water heat exchanger for the 3A residual heat removal (RHR) pump was discovered during an operability test. The test was being performed to return the second RHR loop to service. The pump passed the operability requirements of the testing procedure. The leak was inspected and it was decided that the leak did not represent an operability problem with the unit in mode 5 and would be fixed when the 3A RHR pump is taken out of service for the recirculation line modification. The pump was then declared back in service.

During the week, several operating strengths were reaffirmed: shift briefings, shift turnover and general procedure compliance. One area of concern identified was inadequate communications involving the status of jobs during shift turnover. Jobs were being reported as completed when in fact they were still being worked. In order to emphasize accurate reporting of job status, weekly meeting schedules are being altered to allow increased department head attendance at daily planning meetings.

ATTACHMENT: MOS DAILY REPORTS

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MOS DAILY REPORT

To: Operations Superintendent - Nuclear

Date: 11-02-87

From: Michael G. Altermatt
(MOS Observer)

Shift: ☒ Day
☐ Night

A. Plant evolutions observed

- Attended morning and outage meetings for information gathering and fact findings purposes.
- Attended shift briefings to strengthen knowledge of plant status.
- Both units in Mode 5 - plant evolutions minimal.

B. Immediate safety problems

None observed.

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MOS DAILY REPORT

C. Questionable work practices

None observed.

D. Actions taken

None

MGA/md
★/JWG/dj/sr/dj

11/02/87

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MOS DAILY REPORT

E. Strengths

Shift briefings very informative for all in attendance. The inclusion of the maintenance disciplines in the meetings greatly increased total understanding to all departments of the work assignments and intentions of each individual during the shift.

F. Area(s) for improvement

None observed so far.

MGA/md
★/JWG/dj/sr/dj

11/02/87

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MOS DAILY REPORT

G. Recommendations

None at this time.

Completed By: Michael G. Altermatt
MOS Observer

Date: 11-02-87

Reviewed By: Vito A. Kammerer
Operations Superintendent - Nuclear

Date: 11/3/87

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11/10/87 11/2/87

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MGA/md
★/JWG/dj/sr/dj

11/02/87

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MOS DAILY REPORT

To: Operations Superintendent - Nuclear

Date: 11/02-03/87

From: Patrick W. Hughes
(MOS Observer)

Shift: ☐ Day
☒ Night

A. Plant evolutions observed

- Peak shift feedback session.
- Turnover meeting for incoming night shift.
- Routine control room observations.
- 4C ICWP motor replacement.

B. Immediate safety problems

None

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MOS DAILY REPORT

C. Questionable work practices

At approximately 1:30 A.M., the PSN and the outage (midshift) coordinator discovered 3A steam generator feedwater bypass valve actuator was disassembled without a clearance. Further investigation revealed solenoid valves 3-479A and 3-479B were disconnected without their associated fuses pulled.

D. Actions taken

PSN took immediate action, determined the original clearance of FCV-3-479A was temporarily lifted but evidently did not get rehung. PSN hung clearance for FCV-3-479A and fuses for SV-3-479 A and B.



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MOS DAILY REPORT

E. Strengths

Excellent proactive response by PSN to resolve clearance concerns.

F. Area(s) for improvement

Exact reason for lack of clearance tags is unresolved at time of report; however, PSN is taking adequate (excellent) initiative to resolve.

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★/JWG/dj/sr/dj

11/02-03/87



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MOS DAILY REPORT

G. Recommendations

None

Completed By: Patrick W. Hughes
MOS Observer

Date: 11-03-87

Reviewed By: H. Q. Fernandez
Operations Superintendent - Nuclear

Date: 11/3/87

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PWH/md
★/JWG/dj/sr/dj

11/02-03/87

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MOS DAILY REPORT

To: Operations Superintendent - Nuclear

Date: 11/02-03/87

From: Paul R. Geddes - (W)
(MOS Observer)

Shift: ☐ Day
☒ Night

A. Plant evolutions observed

- 2 shift meetings.
- Filling Unit 4 steam generators (S/G) to wet layup.
- Filling Unit 3 steam generators (S/G) to wet layup.
- Lowering level in pressurizer to 22%.

B. Immediate safety problems

None observed.

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★/JWC/dj/sr/dj

11/02-03/87

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MOS DAILY REPORT

C. Questionable work practices

Valve actuator on FCV-479 (Unit 3 S/G A feedwater bypass valve) was removed without a danger tag hung on the air shutoff valve, and DC fuses for 2 solenoid valves were not pulled prior to disconnecting wires to the solenoid valves. (Solenoid valves were on the airline to FCV-479)

D. Actions taken

Above was discovered by the PSN. He discovered that the air shutoff valve had had a temporary lift done on it, but had never been rehung. The temporary lift was removed, danger tag rehung on the air shutoff valve, and DC power fuses to the solenoid valves were pulled and tagged OOS. Further investigation revealed that the original scope of work to be done on the valve had been expanded without the clearance being expanded.



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MOS DAILY REPORT

E. Strengths

The shift meetings briefing all members of the shift on evolutions in the plant whether they are directly involved or not is excellent. This encourages the team concept, and makes each person more aware of how his job could affect others. The PSN's actions concerning the improper valve OOS were prompt and thorough.

F. Area(s) for improvement

Impress upon maintenance personnel the importance of strict adherence to out-of-service procedures, with particular attention to work scope expansion,

PRG/md
★/JWG/dj/sr/dj

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MOS DAILY REPORT

G. Recommendations

None on this shift.

Completed By: Paul R. Geddes

MOS Observer

Date: 11-03-87

Reviewed By:

U. A. Kamunsh

Operations Superintendent - Nuclear

Date: 11/3/87

PRG/md
★/JWG/dj/sr/dj

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MOS DAILY REPORT

To: Operations Superintendent - Nuclear Date: 11-03-87

From: Michael G. Altermatt Shift: ☒ Day
(MOS Observer) ☐ Night

A. Plant evolutions observed

- Attended morning staff meeting and conference call to C. O. Woody.
- Both nuclear units are in Mode 5 - Operations activities very limited because of plant maintenance in progress and equipment out of service.
- Reviewed Unit 3 Overpressure Mitigating System Functional Test Procedure (3-OSP-041.4) to verify acceptance criteria met - review satisfactory.
- Reviewed common plant procedures 0-OSP-16.23 and 0-OSP-16.26, Electric and Diesel Fire Pump Test, to verify acceptance criteria met - review satisfactory.
- Attended Licensed Operator Requal Lecture - Reactor Physics, Subcritical Multiplication.

B. Immediate safety problems

None observed.

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MOS DAILY REPORT

C. Questionable work practices

The heater drain pumps A & B on both units presently have their breakers racked-in with control power available for starting. These pumps can only be run at power and are useless at cold shutdown. Both units are in Mode 5, Cold Shutdown. The only prevention from a false start; with possible damage to equipment and injury to personnel, on the likelihood of personnel bumping the cabinet while performing maintenance nearby would be an automatic interlock on heater level.

These pumps and all larger secondary pumps should be flagged, possibly by procedure, to disable control power on extended forced outages.

D. Actions taken

None required at this time

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MOS DAILY REPORT

E. Strengths
None observed.

F. Area(s) for improvement
None observed.

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★/JWG/dj/sr/dj

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MOS DAILY REPORT

G. Recommendations

None

Completed By: Michael G. Altermatt
MOS Observer

Date: 11-03-87

Reviewed By: Vito A. Kaminski
Operations Superintendent - Nuclear

Date: 11/4/87

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MGA/md
★/JWG/dj/sr/dj

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MOS DAILY REPORT

To: Operations Superintendent - Nuclear

Date: 11/03-04/87

From: Paul R. Geddes - (W)
(MOS Observer)

Shift: ☐ Day
☒ Night

A. Plant evolutions observed

- Shift meetings.
- Made tour of RCA and Unit 4 containment.

B. Immediate safety problems

None

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MOS DAILY REPORT

C. Questionable work practices

None

D. Actions taken

None

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★/JWG/dj/sr/dj

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MOS DAILY REPORT

E. Strengths

PORV-456 work area in Unit 4 containment was observed to be very neat and clean.

F. Area(s) for improvement

None



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MOS DAILY REPORT

G. Recommendations

None

Completed By: Paul R. Geddes
MOS Observer

Date: 11-04-87

Reviewed By: Vito A. Karamanidis
Operations Superintendent - Nuclear

Date: 11/04/87

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★/JWG/dj/sr/dj

11/03-04/87

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MOS DAILY REPORT

To: Operations Superintendent - Nuclear

Date: 11/03-04/87

From: Patrick W. Hughes
(MOS Observer)

Shift: ☐ Day
☒ Night

A. Plant evolutions observed

- Routine Control Room operations.
- PORV 4-456 repair.
- Containment access controls.
- Routine Radiation Control Area (RCA) operations.
- General containment work practices.

B. Immediate safety problems

None

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★/JWG/dj/sr/dj

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MOS DAILY REPORT

C. Questionable work practices

1. Unit 4 containment, 58 ft. elevation, a spare control rod drive cooler motor was wired to a seismic support.
2. Hard hats are not being worn inside containments. A plant policy letter dated November 6, 1986 allows this practice. However, I seem to remember this policy was changed. I was unable to find any additional letters.

D. Actions taken

1. ASPN took immediate action and contacted Electrical Department to relocate motor.
2. I will contact Safety Department to determine correct policy for hard hat usage in containment. Unable to do while on backshift.

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MOS DAILY REPORT

E. Strengths

1. Work area inside containment for PORV repair was exceptionally neat and organized. The appropriate procedure was on the job site, appropriate tooling was available, etc.
2. Security containment access controls were excellent.
3. I did a complete containment walkdown, except high radiation areas. I was very pleased with system integrity. I found only one valve that showed indication of packing leak.

F. Area(s) for improvement

1. 4-9406 RHR drain valve has a packing leak. PWO has been submitted.



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MOS DAILY REPORT

G. Recommendations

None

Completed By: Patrick W. Hughes

Date: 11-04-87

Reviewed By: Vito A. Kammurko
MOS Observer
Operations Superintendent - Nuclear

Date: 11/4/87

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PWH/md
★JWG/dj/sr/dj

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MOS DAILY REPORT

To: Operations Superintendent - Nuclear

Date: 11-04-87

From: Michael G. Altermatt
(MOS Observer)

Shift: ☒ Day
☐ Night

A. Plant evolutions observed

- Attended 7:10 A.M. staff meeting and 7:45 A.M. conference call to C. O. Woody.
- Observed 0-OSP-25.1 "Control Room Emergency Ventilation System Operability Test" being conducted by the third RCO on shift. A questionable work practice arose as explained in Section C.
- Reviewed 3-OSP-030.3 "Component Cooling Water System Flowpath Verification" procedure. Acceptance criteria were met.
- Observed a possible fire barrier breach, conducted investigation with on-shift PSN, with details explained in Section B. A possible, questionable work practice arose from this investigation as explained in Section C.

B. Immediate safety problems

In the course of observing 0-OSP-25.1 being performed, exposed conduit openings were found in the Emergency Ventilation Fan Room, in which were possible fire barrier breaches. Notifying the PSN, an investigation followed in which the PSN decided to call the Bechtel Fire Supervisor and the FPL Fire Supervisor for clarifications. It was found that one open ended conduit was a halon suppression system breach between the Cable Spreading Room inverter area and the Emergency Fan Room. The other 2 questionable conduits extended 3'3" above the floor fire barriers with the conduit extending down into the 4B Electrical Bus Room into an enclosed box. The box door was latched closed but not securely fastened. It was questionable that these 2 conduits were fire breaches because of different interpretations of Procedure ASP-31 "Breaching of Fire Protection Systems and Fire Rated Assemblies" and the FSAR, Section 3.15.1, 3.15.2 and 3.15.3, Page 9.6 A-107.

The openings were promptly sealed with metal caps by the Bechtel Fire Supervisor. The investigation revealed no administrative control over the work that produced these possible fire barrier breaches.

It is recommended that the Fire Protection Department review its fire barrier breach control records and conduct a review of all known construction work that possibly could produce a fire barrier breach.



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MOS DAILY REPORT

C. Questionable work practices

When conducting 0-OSP-25.1 the RCO had to walk a steam pipe holding on to another pipe to verify local position indication of damper D-2. This pipe is 3 stories above the ground with no means of stopping a fall if he slips. Besides being very dangerous, numerous violations of the FPL Safety Practices rule book were observed. Recommend another means of verifying damper D-2 position be implemented or provide a more safer means of reaching damper D-2 for position verification.

The Security Force Continuous Fire Watch that was stationed in the Cable Spreading Room was asked why he was there. He could only answer that he was a Fire Watch, and could not say he was there because of the loss of the fire detection system and the loss of the halon system which were out for maintenance. It appeared from my discussions with him that no briefing was given to him. He was told to find the chair and sit there.

Recommend that the Security Fire Supervisor give briefings to the people under his control and explain the reasons for his/her posting as Fire Watch and review plant procedures on his/her actions on discovering a fire.

D. Actions taken

Notified PSN. He in turn called the Fire Supervisor and explained the problem.



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MOS DAILY REPORT

E. Strengths
None observed.

F. Area(s) for improvement
Emphasize safe work practices.

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MOS DAILY REPORT

G. Recommendations
None

Completed By: Michael G. Altermatt
MOS Observer

Date: 11-04-87

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

Date: 11-5-87

[Signature]
11/5/87

[Signature]
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MOS DAILY REPORT

To: Operations Superintendent - Nuclear

Date: 11/04-05/87

From: Paul R. Geddes - (W)
(MOS Observer)

Shift: ☐ Day
☒ Night

A. Plant evolutions observed

- Unit 4 boric acid system returned to service.
- Valving in 3A RHR pump to RCS.
- Trip and start of 3A RCP.
- Solid plant pressure control on Unit 3.
- OMS test on PORV-456 (Unit 4).
- 2 shift meetings.

B. Immediate safety problems

None

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MOS DAILY REPORT

C. Questionable work practices

3A RHR pump was valved into the RCS in order for Maintenance to check for leaks. Because the plant was in solid plant pressure control, the operator had been instructed to valve it in slowly to prevent depressurizing the RCS. He did not do it slowly enough, and RCS pressure went low. Seal ΔP for the 3A RCP fell below 200 psid, and the RCP was tripped. Pressure was returned to normal, start conditions for the RCP were met, and 3A RCP was restarted.

D. Actions taken

None



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MOS DAILY REPORT

E. Strengths

Adherence to procedures and good operating practices observed at all times.

F. Area(s) for improvement

None



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MOS DAILY REPORT

G. Recommendations

None

Completed By: Paul R. Geddes
MOS Observer

Date: 11-05-87

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

Date: 11-5-87

[Signature]
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PRG/md
★/JWG/dj/sr/dj

11/04-05/87

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MOS DAILY REPORT

To: Operations Superintendent - Nuclear

Date: 11/04-05/87

From: Patrick W. Hughes
(MOS Observer)

Shift: ☐ Day
☒ Night

A. Plant evolutions observed

- Routine Control Room observations.
- Shift turnover meeting.
- OMS testing of PORV 4-456.
- Routine secondary plant operations.
- 4C ICWP motor repair.

B. Immediate safety problems

None

PWH/md
★/JWG/dj/sr/dj

11/04-05/87



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MOS DAILY REPORT

C. Questionable work practices

NONE

D. Actions taken

NONE



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MOS DAILY REPORT

E. Strengths

Shift turnover was excellent. A PSN had excellent control of the meeting, established appropriate shift goals, etc.

F. Area(s) for improvement

NONE

PWH/md
★/JWG/dj/sr/dj

11/04-05/87



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MOS DAILY REPORT

G. Recommendations

None

Completed By: Patrick W. Hughes
MOS Observer

Date: 11-05-87

Reviewed By: *Jan Chandler*
Operations Superintendent - Nuclear

Date: 11-5-87

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11/5/87

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MOS DAILY REPORT

To: Operations Superintendent - Nuclear

Date: 11-05-87

From: Michael G. Altermatt
(MOS Observer)

Shift: ☒ Day
☐ Night

A. Plant evolutions observed

- Attended morning staff meeting and morning conference call.
- Conducted shift rounds with PSN throughout Radiation Controlled Area and secondary plant.
- Both units in Mode 5, very little Operations activities occurred today.
- Observed 4-OSP-59.1 "Source Range Nuclear Instrumentation Analog Channel Operational Test" being conducted.

B. Immediate safety problems

None

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MOS DAILY REPORT

C. Questionable work practices

None observed

D. Actions taken

Not required

MGA/md
★/JWG/dj/sr/dj

11/05/87

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MOS DAILY REPORT

E. Strengths
None observed

F. Area(s) for improvement
None observed

MGA/md
★/JWG/dj/sr/dj

11/05/87

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MOS DAILY REPORT

G. Recommendations

None

Completed By: Michael G. Altermatt
MOS Observer

Date: 11-05-87

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

Date: 11-6-87

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★/JWG/dj/sr/dj

11/05/87

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MOS DAILY REPORT

To: Operations Superintendent - Nuclear

Date: 11/05-06/87

From: Paul R. Geddes - (W)
(MOS Observer)

Shift: ☐ Day
☒ Night

A. Plant evolutions observed

- IST on RHR pump 3A (dressed out in RHR pit).
- 2 shift meetings.
- Fill and vent on Unit 4 RCS.
- Trip 3A RCP.
- Depressurize Unit 3 RCS.
- Commence drain down of Unit 3 RCS.

B. Immediate safety problems

None

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MOS DAILY REPORT

C. Questionable work practices

- 1) 3A RHR pump was declared operable with (what I considered) a significant CCW leak on the seal water heat exchanger. There was a visible stream of water leaking from the HX, and there was water all over the floor.
- 2) A significant amount of bad information particularly from Maintenance is being passed during shift turnover. Specifically, the Unit 4 head vent flanges were reported installed and ready to go a 7:00 AM on 11/5 and were not actually ready to go until approximately 2:00 A.M. on 11/6. There are other examples.

D. Actions taken

The shift had been instructed to run the RHR pumps so that the RCS could be depressurized and drained down. This decision appears to have been made outside the Operations Department.



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MOS DAILY REPORT

E. Strengths

Adherence to procedures was again good. In addition, when there were some problems with the Unit 4 fill and vent procedure, the RCO worked extensively with the PUP on shift to remedy the problems.

F. Area(s) for improvement

Admittedly, the 3A RHR pump met the legal operability requirements, but if I had the responsibility, I would have fixed it.

Shift turnover information needs to be accurate, otherwise a great deal of time is wasted.



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MOS DAILY REPORT

G. Recommendations

None

Completed By: Paul R. Geddes
MOS Observer

Date: 11-06-87

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

Date: 11-6-87

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11/05-06/87

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MOS DAILY REPORT

To: Operations Superintendent - Nuclear

Date: 11/05-06/87

From: Patrick W. Hughes
(MOS Observer)

Shift: ☐ Day
☒ Night

A. Plant evolutions observed

- Peak shift feedback session.
- Shift turnover meeting.
- Performance of 3-OSP-0502 "Residual Heat Removal Pump Inservice Test" for 3A RHR pump.
- Performance of 4-OP-041.8 "Filling and Venting the Reactor Coolant System".
- Performance of 3-OP-041.7 "Draining of the Reactor Coolant System.
- Routine Control Room activities.
- Routine Auxiliary Building activities.

B. Immediate safety problems

None

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★/JWG/dj/sr/dj

11/05-06/87



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MOS DAILY REPORT

C. Questionable work practices

NONE

D. Actions taken

NONE

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MOS DAILY REPORT

E. Strengths

During the performance of 4-OP-041.8, the RCO identified several procedural enhancements. The RCO immediately got with the on-shift PUP representative and discussed the need and benefit of reorganizing certain steps in the procedure. This was an excellent indicator of procedural compliance and doing the job right the first time.

F. Area(s) for improvement

NONE

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MOS DAILY REPORT

G. Recommendations

None.

Completed By: Patrick W. Hughes
MOS Observer

Date: 11-06-87

Reviewed By: *Don Grandjeu*
Operations Superintendent - Nuclear

Date: 11-6-87

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MOS DAILY REPORT

To: Operations Superintendent - Nuclear

Date: 11-06-87

From: Michael G. Altermatt
(MOS Observer)

Shift: ☒ Day
☐ Night

A. Plant evolutions observed

- Attended morning staff meeting and morning conference call.
- Observed portions of 4-OP-41.8 "Filling and Venting the Reactor Coolant System".

B. Immediate safety problems

None observed

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MOS DAILY REPORT

C. Questionable work practices

None observed

D. Actions taken

None

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MOS DAILY REPORT

E. Strengths

None observed

F. Area(s) for improvement

None observed

MGA/md
★/JWG/dj/sr/dj

11/06/87

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MOS DAILY REPORT

G. Recommendations

None

Completed By: Michael G. Altermatt
MOS Observer

Date: 11-06-87

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

Date: 11-9-87

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MOS DAILY REPORT

To: Operations Superintendent - Nuclear

Date: 11/06-07/87

From: Paul R. Geddes - (W)
(MOS Observer)

Shift: ☐ Day
☒ Night

A. Plant evolutions observed

- 2 shift meetings.
- Vent on Unit 4 which included running all 3 RCS's for 10 minutes.
- Tour of turbine plant.

B. Immediate safety problems

None

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★/JWG/dj/sr/dj

11/06-07/87

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MOS DAILY REPORT

C. Questionable work practices

Correction:

Last night's report stated that the decision to declare 3A RHR pump operable appeared to have been made outside Operations Department. That was incorrect. The decision was made by the OPS/Maintenance Coordinator. I regret the error.

NONE

D. Actions taken

NONE

PRG/md
★/JWG/dj/sr/dj

11/06-07/87



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MOS DAILY REPORT

E. Strengths

The Unit 4 vent procedure went extremely smooth. The operator was familiar with the procedure and expected results, and all equipment worked well.

F. Area(s) for improvement

NONE

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MOS DAILY REPORT

G. Recommendations

None

Completed By: Paul R. Geddes
MOS Observer

Date: 11-07-87

Reviewed By: *Alan Shank*
Operations Superintendent - Nuclear

Date: 11-9-87

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★/JWG/dj/sr/dj

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MOS DAILY REPORT

To: Operations Superintendent - Nuclear

Date: 11/06-07/87

From: Patrick W. Hughes
(MOS Observer)

Shift: ☐ Day
☒ Night

A. Plant evolutions observed

- Peak shift feedback session.
- Mid shift turnover meeting.
- Routine Control Room operations.
- Completion of Fill and Vent on Unit 4, emphasis on 1 minute and 10 minute RCP runs.
- Secondary Plant walkdown.

B. Immediate safety problems

None

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MOS DAILY REPORT

C. Questionable work practices

NONE

D. Actions taken

NONE NECESSARY

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MOS DAILY REPORT

E. Strengths

Feedback and shift turnover over meetings are excellent. Everyone seems to buy in on shift objectives.

F. Area(s) for improvement

NONE

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MOS DAILY REPORT

G. Recommendations

None

Completed By: Patrick W. Hughes
MOS Observer

Date: 11-07-87

Reviewed By: Don Shandall
Operations Superintendent - Nuclear

Date: 11-9-87

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MOS DAILY REPORT

To: Operations Superintendent - Nuclear

Date: 11-07-87

From: Michael G. Altermatt
(MOS Observer)

Shift: ☒ Day
☐ Night

A. Plant evolutions observed

- Both units in Mode 5; activities toward Operations essentially non-existent.

B. Immediate safety problems

None observed



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MOS DAILY REPORT

C. Questionable work practices

None observed

D. Actions taken

None

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MOS DAILY REPORT

E.

Strengths

None observed

F.

Area(s) for improvement

None observed

MGA/md
★/JWG/dj/sr/dj

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MOS DAILY REPORT

G. Recommendations

None

Completed By: Michael G. Altermatt
MOS Observer

Date: 11-07-87

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

Date: 11-9-87

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MGA/md
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MOS DAILY REPORT

To: Operations Superintendent - Nuclear

Date: 11/07-08/87

From: Paul R. Geddes - (W)
(MOS Observer)

Shift: ☐ Day
☒ Night

A. Plant evolutions observed

- Transfer of RHR to alternate RHR and back again on Unit 3.
- Testing of 4C ICW pump.
- Repair of fire protection panel and return to service.
- 2 shift meetings.
- Tour of turbine plant and intake structure.

B. Immediate safety problems

None

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MOS DAILY REPORT

C. Questionable work practices

NONE

D. Actions taken

NONE

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MOS DAILY REPORT

E. Strengths

None observed on this shift.

F. Area(s) for improvement

NONE

PRG/md
★/JWG/dj/sr/dj

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MOS DAILY REPORT

G. Recommendations

None

Completed By: Paul R. Geddes
MOS Observer

Date: 11-08-87

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

Date: 11-9-87

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MOS DAILY REPORT

To: Operations Superintendent- Nuclear

Date: 11/07-08/87

From: J. A. Labarrague
(MOS Observer)

Shift: ☐ Day
☒ Night

A. Plant evolutions observed

- End of shift meeting.
- Beginning of shift meeting.
- ICW system walkdown with STA.
- ICW IST test.

B. Immediate safety problems

None

JAL/md
★JWG/dj/sr/dj

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MOS DAILY REPORT

C. Questionable work practices
NONE

D. Actions taken
NONE

JAL/md
★/JWG/dj/sr/dj

11/07-08/87



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MOS DAILY REPORT

E. Strengths

Housekeeping is better than ever. All lighting fixtures were in good working condition.

F. Area(s) for improvement

NONE

JAI/md
★/JWG/dj/sr/dj

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MOS DAILY REPORT

G. Recommendations

None

Completed By: J. A. Labarraque
MOS Observer

Date: 11-08-87

Reviewed By: [Signature]
Operations Superintendent- Nuclear

Date: 11-9-87

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MOS DAILY REPORT

To: Operations Superintendent - Nuclear

Date: 11-08-87

From: Michael G. Altermatt
(MOS Observer)

Shift: ☒ Day
☐ Night

A. Plant evolutions observed

- Both units in Mode 5, essentially no Operations activity.
- Conducted shift rounds with PSN.
- Conversed with Maintenance personnel on status of jobs they were working.

B. Immediate safety problems

None observed

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MOS DAILY REPORT

C. Questionable work practices

None observed

D. Actions taken

None taken



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MOS DAILY REPORT

E. Strengths
None observed

F. Area(s) for improvement
None observed

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MOS DAILY REPORT

G. Recommendations

None

Completed By: Michael G. Altermatt
MOS Observer

Date: 11-08-87

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

Date: 11-9-87

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MOS DAILY REPORT

To: Operations Superintendent - Nuclear

Date: 11/08-09/87

From: Paul R. Geddes - (W)
(MOS Observer)

Shift: ☐ Day
☒ Night

A. Plant evolutions observed

- Very little went on this shift.
- Attended 2 shift meetings.
- Observed work on 4A ICW pump.
- Batched boric acid.
- Serviced A and B BAST's.

B. Immediate safety problems

None

PRG/md
★/JWG/dj/sr/dj

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MOS DAILY REPORT

C. Questionable work practices

NONE

D. Actions taken

NONE

PRG/md
★/JWG/dj/sr/dj

11/08-09/87

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MOS DAILY REPORT

E. Strengths
NONE

F. Area(s) for improvement
NONE

PRG/md
★/JWG/dj/sr/dj

11/08-09/87



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MOS DAILY REPORT

G. Recommendations

None

Completed By: Paul R. Geddes
MOS Observer

Date: 11-09-87

Reviewed By: *David L. Hanks*
Operations Superintendent - Nuclear

Date: 11-9-87

JRG 11/10/87 *7112 11/11/87*
7105 11/10/87
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PRG/md
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MOS DAILY REPORT

To: Operations Superintendent - Nuclear

Date: 11/08-09/87

From: J. A. Labarraque
(MOS Observer)

Shift: ☐ Day
☒ Night

A. Plant evolutions observed

- Beginning of shift meeting.
- End of shift turnover.
- STA shift turnover.
- Walked the emergency diesel system with STA.

B. Immediate safety problems

None

JAI/md
★/JWG/dj/sr/dj

11/08-09/87

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MOS DAILY REPORT

C. Questionable work practices

NONE

D. Actions taken

NONE

JAI/md
★/JWG/dj/sr/dj

11/08-09/87

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MOS DAILY REPORT

E. Strengths

NONE

F. Area(s) for improvement

See Section G

JAL/md
★/JWG/dj/sr/dj

11/08-09/87



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MOS DAILY REPORT

G. Recommendations

Shift turnover styles vary from shift to shift. Consideration should be given to some type of formal guidelines in this area.

Completed By: J. A. Labarraque
MOS Observer

Date: 11-09-87

Reviewed By: [Signature]
Operations Superintendent - Nuclear

Date: 11-9-87

FINAL PAGE

JAL/md
★/JWG/dj/sr/dj

11/08-09/87



Management-on-Shift (MOS)
ACRONYMS

| | |
|----------|------------------------------------|
| AFW | Auxiliary Feedwater |
| ANPO | Assistant Nuclear Plant Operator |
| APSN | Assistant Plant Supervisor Nuclear |
| ASP | Administrative Site Procedure |
| CCW | Component Cooling Water |
| DG | Diesel Generator |
| DC | Direct Current |
| AP or DP | Differential Pressure |
| EDG | Emergency Diesel Generator |
| ERT | Event Response Team |
| EW | East-West |
| FCV | Flow Control Valve |
| FPL | Florida Power and Light Company |
| FSAR | Final Safety Analysis Report |
| HHSI | High Head Safety Injection |
| HX | Heat Exchanger |
| IAW | In Accordance With |
| ICW | Intake Cooling Water |
| ICWP | Intake Cooling Water Pump |
| IST | Inservice Testing |
| LCV | Level Control Valve |
| MOS | Management on Shift |
| NAB | Nuclear Administration Building |
| NPO | Nuclear Plant Operator |
| NPS | Nuclear Plant Supervisor |
| NRC | Nuclear Regulatory Commission |
| NS | North-South |
| OMS | Overpressure Mitigating System |
| ONOP | Off Normal Operating Procedure |
| OOS | Out-of-Service |
| OTSC | On The Spot Change |

Management-on-Shift (MOS)

ACRONYMS

Continued

| | |
|-------|---|
| PORV | Power Operated Relief Valve |
| PRZ | Pressurizer |
| PUP | Procedure Upgrade Program |
| PWO | Plant Work Order |
| QSPDS | Qualified Safety Parameter Display System |
| RCA | Radiation Control Area |
| RCO | Reactor Control Operator |
| RCP | Reactor Coolant Pump |
| RCS | Reactor Coolant System |
| RHR | Residual Heat Removal |
| RV | Reactor Vessel |
| SAS | Safety Assessment System |
| S/G | Steam Generator |
| SNOW | Short Notice Outage Work |
| SNPO | Senior Nuclear Plant Operator |
| TSA | Temporary System Alteration |
| TP | Temporary Procedure |
| W | Westinghouse Corporation |