

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8803300264 DOC. DATE: 88/03/08 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

SUBJECT: Forwards summary of mgt-on-shift weekly rept for week
 beginning 880229, per NRC 871019 order.

DISTRIBUTION CODE: D036D COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 35
 TITLE: Turkey Point Management Onshift Program

NOTES:

	RECIPIENT ID CODE/NAME	COPIES LTTR ENCL	RECIPIENT ID CODE/NAME	COPIES LTTR ENCL
	DRP/ADR-2	1 1	NRR/DRP-1/2	1 1
	PD2-2 PD	1 1	EDISON, G	2 2
INTERNAL:	AEOD	1 1	DEDRO	1 1
	NRR DEPY	1 1	NRR DIR	1 1
	NRR MORISSEAU, D	1 1	NRR/ADP 12-G-18	1 1
	NRR/ADT 12-G-18	1 1	NRR/DLPQ/PEB	1 1
	NRR/DOEA DIR11E	1 1	NRR/DRIS DIR9A2	1 1
	NRR/PMAS/ILRB12	1 1	OE LIEBERMAN, J	1 1
	OGC 15-B-18	1 1	<u>REG FINE</u> 01	1 1
	RGN2 FILE	1 1		
EXTERNAL:	LPDR	1 1	NRC PDR	1 1
	NSIC	1 1		



FLORIDA POWER & LIGHT COMPANY

MARCH 8 1988

L-88-122

88 MAR 11 12: 59

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,

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

WFC/SDF/pw
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

8803300264 880308
PDR ADCK 05000250
R PDR

D036
1/1

MANAGEMENT ON SHIFT (MOS)

WEEK STARTING: 2/29/88

WEEKLY SUMMARY REPORT

PAGE 1 OF 1

Five MOS Observers were on shift; Walter A. Windecker, St. Lucie Nuclear Plant Supervisor (02/29-03/06/88, Days), Larry M. Rich, St. Lucie Nuclear Plant Training Department (02/29-03/07/88, Nights), Patrick W. Hughes, Turkey Point Nuclear Health Physics Supervisor (03/01-06/88, Nights), and C. D. Kelly, Turkey Point Nuclear Plant Maintenance and Specialty Training Supervisor (03/06-07/88, Nights).

During the reporting period, both units operated at 100% power.

No immediate safety problems or questionable work practices were identified during the reporting period.

During the reporting period, the MOS Observers noted twenty-one recommendations or areas for improvement. These suggestions included:

1. Five comments were made about signs and tags including incorrect setpoints on the Reactor Trip Checklist sign, melted caution tags on Blowdown Isolation Valves, and a suggestion for more noticeable marking of fire doors.
2. Three suggestions were made to improve plant work efficiency by relieving the shift supervisor of preparing fire impairment requirements, reducing duplicate entries into the computerized tracking system and improving coordination of post maintenance testing of components being returned to service.
3. Four comments were made about procedures and status tracking in the areas of following Technical Specification related fire impairments, inconsistency in the format of fold-out guide sheets in the Emergency Operating Procedures, signing off of training briefs and use of procedures as Operator Aids.
4. Three comments were made on housekeeping items including the storage of combustible material near a non-vital 4160 Volt Transformer and debris on top of the Condensate Polishing Precoat Tanks.
5. Four comments associated with equipment operation were made including the length of time some secondary plant valves were out-of-service, the continual alarm status of the north evaporator room area radiation monitor and periodic rotation of standby equipment.
6. A comment was made on the need to conduct surveillance testing of the Control Room Ventilation System Charcoal Filters after potential exposure to paint or other chemical fumes.

Both of the MOS Observers from St. Lucie and two of the Turkey Point Observers commented on the high level of professionalism during the conduct of shift operations, with one MOS Observer noting that this is a much improved area from previous MOS shifts.

ATTACHMENT: MOS DAILY REPORTS

Wk-1/2

0-ADM-019

Management on Shift (MOS)
MOS DAILY REPORT

Page

1

To: Operations Superintendent - Nuclear

Date: 02/29/88

From: Walt Windecker
(MOS Observer)

Shift: ☒ Day
☐ Night

A. Plant evolutions observed

- Midnight shift debriefing
- Morning meeting
- OP-1604.1, Full length Rod Control Cluster Periodic Exercise
- Day shift debriefing

B. Immediate safety problems

None observed

C. Questionable work practices

None observed

D. Area(s) for improvement

None to report

E. Professionalism, Summary of Shift, Comments

Operators performed OP-1604.1, Full Length Rod Control Cluster (RCC) Periodic Exercise. While inserting control bank B, they received a rod deviation alarm. Consulted off-normal for RCC's for response. Terminated surveillance until alarm could be cleared. All operators performed in a professional manner.

Discussed inoperability of Channel A, Qualified Safety Parameter Display System with Unit 3 RCO. He was knowledgeable of the situation and explained it satisfactorily.

Toured Unit 4 mezzanine and discharge area. Observed no anomalies.

Reviewed OP-1604.1, Full Length RCC-Periodic Exercise. No comments.

F. Recommendations
None

Completed By: Walt Windecker
MOS Observer

Date: 02/29/88

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

Date: 3/1/88

Management Review By: C/B 12/1/88 C/B 12/1/88 1
PM-N Date SVP Date VP Date

02/29/88

1384

25

4

1

To: Operations Superintendent - Nuclear

Date: 02/29-03/01/88

From: Larry Rich
(MOS Observer)Shift: ☐ Day
☒ Night

A. Plant evolutions observed

- ° Peak shift turnover
- ° Mid shift "Plan of the Day" meeting

B. Immediate safety problems

None

C. Questionable work practices

None

D. Area(s) for improvement

None observed

E. Professionalism, Summary of Shift, Comments

Discussed ONOP's and EOP's with licensed operator on peak shift. He was knowledgeable of procedure content and flow path.

- Toured accessible areas of Unit 3 and Unit 4.
- Reviewed surveillance tracking procedure.
- Discussed upcoming Auxillary Feedwater work with operations supervision.
- Professional manners observed during the course of shift duties.

F. Recommendations

Change Reactor trip check list plastic sign on both units control board to reflect E.S.O.1. Reactor trip response procedure.

i.e., sign says >15% S/G level
E.S.O.1. says 6% S/G level

Completed By: Larry Rich
MOS Observer

Date: 02/29-03/1/88

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

Date: 3/1/88

Management
Review By:

CMB 17/1/88 CMB 15/1/88 1
PM-N Date SVP Date VP Date
02/29-03/01/88

To: Operations Superintendent - Nuclear

Date: 02/29-03/01/88

From: T. A. Finn
(MOS Observer)Shift: ☐ Day
☒ Night

A. Plant evolutions observed

- 100% Reactor power, steady state operation
- Turbine Bearing Oil Pump periodic test
- End of shift meeting
- PSN review of fire protection impairment O-ADM-16.3, attachment 1
- PSN/APSN shift turnover
- Shift briefing
- Plant tour

B. Immediate safety problems

None

C. Questionable work practices

None

D. Area(s) for improvement

1. Fire protection impairment procedure O-ADM-16.3. The 1530-2330 shift PSN had twenty-seven attachments to O-ADM-16.3 to review and determine Tech. Spec. or procedural requirements to ensure compliance. It required 1½ hours to perform this administrative task. The body of the procedure requires the PSN to review and authorize (step 5.2.3 of O-ADM-16.3), but the attachment requires the PSN to determine the requirements.
2. Tech. Spec. 3.14.3.b and 3.14.5.b.2 have reporting requirements of 14 days and 7 days. O-ADM-16.3 does not define the responsible individual(s) or the tracking method.

E. Professionalism, Summary of Shift, Comments

During this week (5 days), the PSN, APSN, NWE, and RCO's shift turnovers have been an effective communication tool. Plant status, planned evolutions, maintenance, and chemistry activities were discussed.

F. Recommendations

1. Re-visit O-ADM-16.3 - redefine the responsibilities of determining fire impairment requirements, having the PSN only review and authorize.
2. Define responsible party for tracking impairments ensuring the 7 and 14 day requirements are not exceeded.

Completed By: T. A. Finn
MOS Observer

Date: 02/29-03/1/88

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

Date: 3/1/88

Management
Review By:

CJB 13/1/88 *CJB* 13/1/88 1
PM/N Date SVP Date VP Date
02/29-03/1/88

WFL

0-ADM-019

Management on Shift (MOS) MOS DAILY REPORT

Page

1

To: Operations Superintendent - Nuclear

Date: 03/01/88

From: Walt Windecker
(MOS Observer)

Shift: ☒ Day
☐ Night

A. Plant evolutions observed

- o Mid shift debriefing
- o Day shift briefing
- o Peak shift briefing
- o PSN shift turnover
- o APSN shift turnover
- o Rotation of charging pumps

B. Immediate safety problems

None observed

C. Questionable work practices

None observed

D. Area(s) for improvement

None

E. Professionalism, Summary of Shift, Comments

Shift turnovers were thorough and professional.

RCO's reaction to low feedwater suction pressure alarm was prompt and correct.

RCO discovered charging pump problem with Safety Assessment System (SAS)-Operators appear to use SAS a great deal.

Reviewed 3-GOP-103, Power Operations to Hot Standby and 3-GOP-305, Hot Standby to Cold Shutdown. No comments.

F. Recommendations

None

Completed By: Walt Windecker
MOS Observer

Date: 03/01/88

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

Date: 3/2/88

Management Review By:

U/B 12/2/88 VP 3/2/88
PM-N Date SVP Date VP Date
03/01/88

To: Operations Superintendent - Nuclear

Date: 03/01-02/88

From: Larry Rich
(MOS Observer)Shift: ☐ Day
☒ Night

A. Plant evolutions observed

- o Peak shift turnover
- o Mid shift planning meeting
- o Response team meeting on 4A Charging Pump

B. Immediate safety problems

None

C. Questionable work practices

None

D. Area(s) for improvement

None

E. Professionalism, Summary of Shift, Comments

Shift meeting and discussion on ONOP "Loss of Charging Flow in Modes 1 thru 3" was good.

Reviewed clearance tag book.

Toured Auxiliary Building and Spent Fuel Pool area, noted very few contaminated areas.

F. Recommendations

Erect sign or initiate document to alert operators to perform surveillance on Control Room ventilation system in event system filter train was exposed to painting, chemical release, etc.

Tech. Spec. surveillance 3.2.c.
page 4.7-5

Completed By: Larry Rich
MOS Observer

Date: 03/01-02/88

Reviewed By: *L. W. Pearce*
Operations Superintendent - NuclearDate: 3/2/88Management
Review By:

DAE 17/1/1 *JP* 13/2/88 *JP* 13/2/88
PM-N Date SVP Date VP Date
03/01-02/88

To: Operations Superintendent - Nuclear

Date: 03/01-02/88

From: P. W. Hughes
(MOS Observer)Shift: ☐ Day
☒ Night

A. Plant evolutions observed

- 10:30 P.M. end of shift operations meeting
- 11:45 P.M. Mid shift turnover meeting
- 9:30 P.M. ERT meeting 4A charging pump repair
- 2:00 A.M. ERT meeting 4A charging pump repair
- Routine Control Room operations
- Control Board walkdown by oncoming NWE, RCO's

B. Immediate safety problems

None

C. Questionable work practices

None

D. Area(s) for improvement

None

E. Professionalism, Summary of Shift, Comments

An event response team (ERT) was formed to investigate (repair leak on 4A charging pump (crack weld on drain line connection to discharge header). Both ERT team meetings conducted during my shift were well organized. Operations supervisor did an excellent job organizing team members, establishing plan of corrective action and assigning appropriate responsibilities.

During the mid-shift turnover meeting, the PSN did an excellent job reviewing ONOP-3-047.1 "Loss or Charging" with the oncoming shift. I especially liked his technique in asking various operators questions on their expectations and actions. I felt this was an excellent technique to ensure employee involvement.

F. Recommendations

None

Completed By: P. W. Hughes
MOS ObserverDate: 03/01-02/88Reviewed By: *P. W. Hughes*
Operations Superintendent - NuclearDate: 3/2/88Management
Review By:

<u><i>C. B.</i></u>	<u><i>12/2/88</i></u>	<u><i>VP</i></u>	<u><i>3/2/88</i></u>	<u><i>VP</i></u>	<u><i>3/2/88</i></u>
PM-N	Date	SVR	Date	VP	Date

03/01-02/88

WKL

0-ADM-019

Management on Shift (MOS)
MOS DAILY REPORT

Page

1

To: Operations Superintendent - Nuclear

Date: 03/02/88

From: Walt Windecker
(MOS Observer)

Shift: ☒ Day
☐ Night

A. Plant evolutions observed

- o Midnight shift debriefing
- o Morning meeting
- o Receipt of new fuel
- o Peak shift briefing

B. Immediate safety problems

None observed

C. Questionable work practices

None observed

D. Area(s) for improvement

None

E. Professionalism, Summary of Shift, Comments

Reviewed Auxillary Feedwater Procedure - no comments

Toured Reactor Auxillary Building - the area was impressively clean

F. Recommendations

None

Completed By: Walt Windecker
MOS Observer

Date: 03/02/88

Reviewed By: Richard J. Windecker for
Operations Superintendent - Nuclear

Date: 3-3-88

Management
Review By:

9/15 15/3/88 JFC 13/3/88 VP 13/3/88
PM-N Date SVR Date VP Date

03/02/88

To: Operations Superintendent - Nuclear

Date: 03/02-03/88

From: Larry Rich
(MOS Observer)Shift: ☐ Day
☒ Night

A. Plant evolutions observed

- Shift turnover
- Mid shift planning meeting

B. Immediate safety problems

None

C. Questionable work practices

None

D. Area(s) for improvement

1. Unit 4 turbine plant cooling water to hydrogen coolers control valve (CV 2203) has been valved out and on the bypass since 10/7/86. Unit 3 recently has had the same line-up.
2. Unit 3 Feedwater Heater alternate dump to Condenser from 2B Feedwater Heater has been valved out since 2/8/88 with PWO written on 7/28/87 for air leak on dump valve.
3. Secondary problems that could affect unit availability and/or efficiency should have higher priority than the above dates indicate.

E. Professionalism, Summary of Shift, Comments

Shift meeting was conducted on mids to discuss the new administrative procedure 021 on Interim Technical Specifications. Excellent operating practice.

Observed procedure in progress on C Auxilliary Feedwater Turbine overspeed test.

Toured Auxilliary Building and secondary.

F. Recommendations

None

Completed By: Larry Rich
MOS Observer

Date: 03/02-03/88

Reviewed By:

Richard D. Mend
Operations Superintendent - Nuclear

Date: 3-3-88

Management
Review By:

475 13/3/88 [Signature] 13/3/88 [Signature] 13/3/88
PM/N Date SVP Date VP Date

03/02-03/88

To: Operations Superintendent - Nuclear

Date: 03/02-03/88

From: P. W. Hughes
(MOS Observer)Shift: ☐ Day
☒ Night

A. Plant evolutions observed

- Routine Control Room observations
- 10:00PM end of shift meeting (Operations)
- 11:45 PM oncoming shift meeting
- 3C Feedwater Regulator Valve repair by I&C
- C Auxillary Feedwater Pump repair by Electrical Department
- Routine Auxilliary Building observation

B. Immediate safety problems

None

C. Questionable work practices

None

D. Area(s) for improvement

None

E. Professionalism, Summary of Shift, Comments

11:45PM shift prebriefing by APSN and PSN was excellent. A specific action plan was laid out by the ASPN for shift operations. He had good "command" of the necessary priorities.

F. Recommendations

1. Foldout sheet for 3/4 EOP-ES-0.2 "Natural Circulation Cooldown" and 3 EOP-E-1 "Loss of Reactor Secondary Coolant" are part of the text. These "foldout" sheets, which do not fold out, are not as convenient for operators to reference as the original foldout pages which pullout or the new technique of printing foldout information on the "back side" of the procedure. Operators on shift recognize the transition from one design of foldout page to another, but I think these 3 procedures should be corrected to one of these styles.
2. Area Radiation Monitoring System Channel 28 (in Radioactive Waste Building) is alarming with tape over the buzzer. A PWO has been written (WA 880221501-1/22/88) indicating problem. I believe it would be better to at least silence the alarm so the tape can be removed. Area monitor is for north evaporator room which is not accessed by personnel. A high priority to fix monitor is not necessary but the horn/buzzer should be silenced.

Completed By: P. W. Hughes
MOS ObserverDate: 03/02-03/88Reviewed By: Richard J. Mendenhall
Operations Superintendent- NuclearDate: 3-3-88Management
Review By:

C/S 13/3/88 VP 13/3/88 VP 13/3/88
PM/N Date SVP Date VP Date
03/02-03/88

Wky

0-ADM-019

Management on Shift (MOS)
MOS DAILY REPORT

Page

1

To: Operations Superintendent - Nuclear

Date: 03/03/88

From: Walt Windöcker
(MOS Observer)Shift: ☒ Day
☐ Night

A. Plant evolutions observed

- Midnight shift debriefing
- Morning meeting
- Reviewed OTSC procedure - no comments
- Reviewed OTSC log
- Toured plant secondary
- Day shift debriefing

B. Immediate safety problems

None

C. Questionable work practices

None

D. Areas(s) for improvement

Entries into CTRAC need to be more discriminate. When duplicate entries (or triplicate) are made, it creates three new units of work: 1) It has to be entered twice, 2) It has to be tracked twice and 3) When it is complete, it has to be signed off twice, or thrice, if there are 3 same entries. A method of indentifying duplicity needs to be devised.

Examples of this are:

<u>CTRAC</u>	<u>SAME AS</u>
87-1569	88-0305
88-0228	Licensee Event Report
88-0248	88-0254
87-1614	88-0252
87-1885	88-0293
88-0248	MOS Dally report of 1/30/88-Item F-1, F-3

E. Professionalism, Summary of Shift, Comments

Toured secondary plant, observed results of valve tagging program, which were excellent with the exception of those noted in Section F, Recommendations.

Reviewed OTSC procedure and log. The status of outstanding OTSC's is commendable. There were only 6 Operating Procedures with OTSC's.

F. Recommendations

1. Caution tags (plastic) on 4A & 4B Steam Generator Blowdown Isolation are melted on to the valve and are illegible. (Do not operate or perform maintenance on this valve without PSN authorization).
2. Valve ID Tags in the following areas are not permanently affixed. The possibility exists for valve tags to be switched, thus defeating the purpose of the valve ID:

-Both Unit 3 & 4 Generator Seal Oil Tanks (Iron Horse) have many small valves such as 4110-208, 209, 221, 222, 223, 236, 249, etc.

-Unit 3 Instrument Air Drain line valves.

-Unit 3 & 4 Generator Hydrogen Manifolds.

All of Unit 4 and a few on Unit 3

Note: Unit 3 has some good examples of how to permanently affix valve tags.

Completed By: Walt Windecker
MOS Observer

Date: 03/03/88

Reviewed By: Richard G. Wende for
Operations Superintendent- Nuclear

Date: 3-4-88

Management
Review By:

G/B 13/4/88 VP 13/4/88 VP 1
PM-N Date SVP Date VP Date
03/03/88

To: Operations Superintendent - Nuclear

Date: 03/03-04/88

From: Larry Rich
(MOS Observer)Shift: ☐ Day
☒ Night

A. Plant evolutions observed

- ° Peak shift turnover
- ° Mid shift planning meeting
- ° Testing of C Auxiliary Feedwater Pump

B. Immediate safety problems

None observed

C. Questionable work practices

None observed

D. Area(s) for improvement

1. Hearing Protection Boxes have been found empty almost every night.
2. Some training briefs signoffs at entrance to Control Room have dates of 11/87. Are these documents tracked to ensure they are signed off in a timely manner?

E. Professionalism, Summary of Shift, Comments

Have noticed over the last few nights the operators are very conscientious about following procedures and will not hesitate to stop and ask questions.

Walked down Intake area, water plant and secondary side of both units.

F. Recommendations

None

Completed By: Larry Rich
MOS Observer

Date: 03/03-04/88

Reviewed By: Richard J. Mendez
Operations Superintendent - Nuclear

Date: 3-4-88

Management
Review By:

7/15 12/4/88 13/4/88 1
PM-N Date SVP Date VP Date

03/03-04/88

To: Operations Superintendent - Nuclear

Date: 03/03-04/88

From: P. W. Hughes
(MOS Observer)Shift: ☐ Day
☒ Night

A. Plant evolutions observed

- 10:30PM end of peak shift meeting
- 11:45 Shift turnover meeting
- Test run of C Auxiliary Feedwater Pump
- Toured secondary plant water treatment plant
- Routine Control Room operations

B. Immediate safety problems

None

C. Questionable work practices

None

D. Area(s) for improvement

None

E. Professionalism, Summary of Shift, Comments

Excellent shift turnover by PSN/APSN at 11:45.

F. Recommendations

None

Completed By: P. W. Hughes
MOS Observer

Date: 03/03-04/88

Reviewed By: Richard J. Mende
Operations Superintendent - Nuclear

Date: 3-4-88

Management
Review By:C/15 15/4/88 Joe 3/4/88
PM-N Date SVA Date VP Date

W/2/1

0-ADM-019	Management on Shift (MOS) MOS DAILY REPORT	Page 1
-----------	---	-----------

To: Operations Superintendent - Nuclear Date: 03/04/88

From: Walt Windecker Shift: ☒ Day
(MOS Observer) ☐ Night

A. Plant evolutions observed

- o Midnight shift debriefing
- o Fire Drill
- o Morning meeting
- o Day shift debriefing

B. Immediate safety problems

None observed

C. Questionable work practices

None observed

D. Area(s) for improvement

None

E. Professionalism, Summary of Shift, Comments

Observed fire drill at 6:40AM. Reviewed fire drill procedure and compared with actual fire drill observations. Fire fighters arrived promptly and, when told the nature of the fire, chose the correct equipment for the type of fire. Security blocked off the area appropriately and all requirements of the procedure were met.

Visited Procedure Upgrade Program Group and observed their operation and work practices.

F. Recommendations

None

Completed By: Walt Windecker Date: 03/04/88
MOS Observer

Reviewed By: *[Signature]* Date: 3/7/88
Operations Superintendent - Nuclear

Management Review By: C/B 13/7/88 C/B 13/7/88 1
PM-N Date SVP Date VP Date
03/04/88

To: Operations Superintendent - Nuclear

Date: 03/04-05/88

From: Larry Rich
(MOS Observer)Shift: ☐ Day
☒ Night

A. Plant evolutions observed

- Peak shift debriefing
- Mid shift planning meeting
- PNSC meeting on OTSC

B. Immediate safety problems

None observed

C. Questionable work practices

None observed

D. Area(s) for improvement

Reviewed Administrative Procedure 0103.36 "Control of Operator Aids and Temporary Information Tags". Index was reviewed on 2/16 and rewritten on 2/22. (Review required every 30 days). After the review process is completed, the reviewer is required to sign and date as such on the next available line. Nine pages of index dating back to 8/22/84 only shows one review period performed on 2/16. If past reviews have been performed the index re-write did not indicate this.

E. Professionalism, Summary of Shift, Comments

Mid shift PSN reviewed with operators on shift the two OSTC's that were approved by PNSC on Heater Drain Pump Bearing Temperature Setpoint Increase and Nitrogen Back-up to Main Steam Isolation Valves. This is a good operating practice.

Plant tour

F. Recommendations

Do not use pages out of procedures for operator aids such as battery room cell reading selection. Operator aids are reviewed every 30 days so this procedure may be out of date for up to 30 days. (Procedure SME-003.2)

(At this time page from procedure is current revision).

Completed By: Larry Rich
MOS Observer

Date: 03/04-05/88

Reviewed By: *D.W. Fara*
Operations Superintendent-Nuclear

Date: 3/7/88

Management
Review By:

CPB 13/7/88 *CPB* 13/7/88 1
PM/N Date SVP Date VP Date

03/04-05/88

To: Operations Superintendent - Nuclear

Date: 03/04-05/88

From: P. W. Hughes
(MOS Observer)Shift: ☐ Day
☒ Night

A. Plant evolutions observed

- Routine Control Room operations
- 10:30PM end of shift meeting
- 11:45PM turnover meeting
- Testing C Auxilliary Feedwater Pump as per 3-OSP-075.1 "Aux FW Train 1 Verification"
- Midshift preplan meeting to put valve 3-1510A back in service.

B. Immediate safety problems

None

C. Questionable work practices

None

D. Area(s) for improvement

None

E. Professionalism, Summary of Shift, Comments

Midshift PSN did an excellent job reviewing recent OTSC made to MSIV nitrogen backup test procedure during turnover meeting.

- Midshift PSN and NWE conducted a professional preplan meeting to put valve 3-1510-A back in service. They laid out an excellent action plan, everyone understood their responsibilities. Valve 3-1510-A was put in service in a quick, efficient manner.

F. Recommendations

None

Completed By: P. W. Hughes
MOS Observer

Date: 03/04-05/88

Reviewed By: P. W. Hughes
Operations Superintendent - Nuclear

Date: 3/7/88

Management
Review By:

<u>6/13</u>	<u>13/7/88</u>	<u>6/13</u>	<u>13/7/88</u>	<u>1</u>
PM-N	Date	SVP	Date	VP

03/04-05/88

To: Operations Superintendent - Nuclear

Date: 03/05/88

From: Walt Windecker
(MOS Observer)Shift: ☒ Day
☐ Night

A. Plant evolutions observed

- Midnight shift debriefing
- Day shift briefing

B. Immediate safety problems

None observed

C. Questionable work practices

None observed

D. Area(s) for improvement

None observed

E. Professionalism, Summary of Shift, Comments

1. During midnight shift debriefing, a discussion on starting pumps for observation after maintenance revealed that many times, the foreman is not present at the initial run. If problems occur during this run, as they are proven to do, this usually results in the foreman requesting a rerun so he can hear or see the problem. In the case of charging pumps, starts usually result in a sudden increase in Rubidium in the area, which can be an obvious problem. Proper planning and presence of maintenance foreman would ensure that pump starts would be minimized.
2. Day shift briefing included a discussion led by the APSN and PSN concerning awareness of acceptance criteria during surveillances. They stressed that the operator in the field performing the surveillance needs to be aware of the acceptance criteria and his need to notify the NWE, APSN, or PSN if an acceptance criteria is not met. The discussion was conducted professionally and there was no doubt of what had been said when the discussion was finished. Additionally, having a section in the procedure that specifically addressed acceptance criteria is a good idea.
3. Reviewed Special Instruction Book and Shift Information Book-No comments.

F. Recommendations

1. That the process be formalized for ensuring that a foreman is present at the starting of a piece of equipment so that he can be aware of the problem without requiring a rerun.
2. I understand that standby equipment is no longer rotated once per week or even less frequently. At one time this was considered good practice and it would seem to still be, especially with equipment that is designated strictly standby and is not run unless absolutely needed.

Completed By: Walt Windecker
MOS ObserverDate: 03/05/88Reviewed By: J. H. P. [Signature]
Operations Superintendent- NuclearDate: 3/7/88Management
Review By:

CJB 13/7/88 CJB 13/7/88 1
 PM-N Date SVP Date VP Date

03/05/88

To: Operations Superintendent - Nuclear

Date: 03/05-06/88

From: Larry Rich
(MOS Observer)Shift: ☐ Day
☒ Night

A. Plant evolutions observed

- Peak shift debriefing
- Mid shift planning meeting
- Cleaning of 4C Component Cooling Water Heater Exchanger

B. Immediate safety problems

None observed

C. Questionable work practices

None observed

D. Area(s) for improvemet

Noticed fire door leading to Unit 3 Charging Pump Room opened during plant tour, notified PSN. During the peak shift debriefing peak shift debriefing the PSN reminded all operators the importance of maintaining this door closed.

E. Professionalism, Summary of Shift, Comments

Midnight shift planning meeting continues to be very informative, good operating practice.

Toured secondary plant and Auxilliary Building.

F. Recommendations

Other than a type written letter on fire doors to charging pump rooms, there is not any human-factored signs alerting people to maintain doors closed. Install or paint appropriate warnings to maintain doors closed.

Completed By: Larry Rich
MOS Observer

Date: 03/05-06/88

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

Date: 3/7/88

Management Review By: *QVB* 13/7/88 *CPD* 13/7/88 1
PM-N Date SVPJ Date VP Date
03/05-06/88

To: Operations Superintendent - Nuclear

Date: 03/05-06/88

From: P. W. Hughes
(MOS Observer)Shift: ☐ Day
☒ Night

A. Plant evolutions observed

- o Routine Control Room operations
- o 10:30PM end of shift meeting
- o 11:45PM turnover meeting
- o 4C Component Cooling Water Heat Exchanger cleaning
- o Toured RCA, water plant, intake area and condensate polishing systems

B. Immediate safety problems

None

C. Questionable work practices

None

D. Area(s) for improvement

1. On Units 3 and 4 condensate polishing system control panels, tape is currently used to indicate which polisher is out-of-service, etc. This technique, in my opinion does not demonstrate a professional way of doing business.
2. Housekeeping on top of Units 3 and 4 Precoat Tanks is deplorable.

E. Professionalism Summary of Shift, Comments

Excellent turnover meeting conducted by the PSN.

F. Recommendations

1. Develop a more professional placard to indicate which polisher is out of service. Maybe utilize current information tag system to indicate appropriate information.
2. Better housekeeping practices have to be used by personnel who add precoat resins, etc.

Completed By: P. W. Hughes
MOS Observer

Date: 03/05-06/88

Reviewed By: 
Operations Superintendent - Nuclear

Date: 3/7/88

Management
Review By:

6/13 13/7/88 6/13 13/7/88 1
PM/N Date SVP Date VP Date

03/05-06/88

To: Operations Superintendent - Nuclear

Date: 03/06/88

From: Walt Windecker
(MOS Observer)Shift: ☒ Day
☐ Night

A. Plant evolutions observed

- Midnight shift debriefing
- Unit 4 turnover
- Day shift briefing

B. Immediate safety problems

None observed

C. Questionable work practices

None observed

D. Area(s) for improvement

None

E. Professionalism, Summary of Shift, Comments

- Toured secondary
- Toured RCA
- As has been observed all week, the conduct of operators during shift turnover and routine operations has been above reproach. These operators conduct themselves with above average professionalism and pride of work. This is not a "show" for observers, but a natural way of life for them.

F. Recommendations

None

Completed By: Walt Windecker
MOS Observer

Date: 03/06/88

Reviewed By: *L. W. Pence*
Operations Superintendent - NuclearDate: 3/7/88Management
Review By:GJB 13/7/88 *(Signature)* 13/7/88 1
PM-N Date SVP Date VP Date

03/06/88

To: Operations Superintendent - Nuclear

Date: 03/06-07/88

From: Larry Rich
(MOS Observer)Shift: ☐ Day
☒ Night

A. Plant Evolutions observed

- Peak shift debriefing
- Mid shift planning meeting

B. Immediate safety problems

None observed

C. Questionable work practices

None observed

D. Area(s) for improvement

Twenty to thirty five gallon cans of paint and paint thinner are stored within a few feet of 4C 4160 Volt Switchgear and Transformer. If this is an "approved storage area", it is considered a poor choice. This flammable and combustible liquid is directly under numerous cable trays coming from the C Transformer.

E. Professionalism, Summary of Shift, Comments

- Toured plant
 - Concur with day shift MOS report section E, third item.
 - All personnel during the week were polite and very cooperative.
 - Reviewed fire protection program procedure and housekeeping procedure.
- No comments.

F. Recommendations

None

Completed By: Larry Rich
MOS Observer

Date: 03/06-07/88

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

Date: 3/7/88

Management
Review By:

CJB 13/7/88 *CJB* 13/7/88 1
PM/N Date SVP Date VP Date

03/06-07-88

To: Operations Superintendent - Nuclear

Date: 03/06-07/88

From: C. D. Kelly

(MOS Observer)

Shift: ☐ Day
☒ Night

A. Plant evolutions observed

- Peak shift 10:30PM meeting
- 11:40PM mid-shift planning meeting
- Mechanical and Electric Maintenance work preparations
- Review O-ADM-021
- Review Tech. Specs. Sections 3/4.5 thru .9 and Section 6.8, Procedures

B. Immediate safety problems

None

C. Questionable work practices

None

D. Area(s) for improvement

None

100

101

102

103

104

105

106

107

108

109

110

111

112

113

114

115

116

117

118

119

120

121

122

123

124

125

126

127

128

129

130

131

132

133

134

135

136

137

138

E. Professionalism, Summary of Shift, Comments

The backshift personnel have come a long way since my last MOS shift. I was impressed with the midnight shift planning meeting and felt very confident that everyone knew what was to take place.

The PSN and APSN ran their shift. Maintenance and Chemistry were in attendance, gave their work plans, accepted assignments from Operations and acknowledged the status of ongoing work and Limiting Conditions for Operations (LCO's).

Specific areas of expected performances were discussed by the PSN which I felt were positive reinforcements:

1. Tailboard meetings prior to carrying out critical jobs (i.e., clearances, tests, etc).
2. Anyone observed conducting tasks incorrectly or unsafely are to be approached and given constructive advice.

Everyone was attentive and seemed to take ownership for the shifts activities.
Excellent!

F. Recommendations

Need to evaluate storage of paint thinner west of #4C Bus Transformer - directly under cable trays. 5 gallon cans (empty, partial and full) are stacked 3 and 4 cans high.

Completed By: C. D. Kelly
MOS Observer

Date: 03/06-07/88

Reviewed By: [Signature]
Operations Superintendent- Nuclear

Date: 3/7/88

Management
Review By:

C.D. 13/7/88 C.D. 13/7/88 1
PM/N Date SVB Date VP Date
03/06-07/88