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ACCESSION NBR: 8803250021 DOC. DATE: 88/03/16 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 repts.

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MARCH 16 1988

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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.

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

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PEOPLE...SERVING PEOPLE *den*

11:23

MANAGEMENT ON SHIFT (MOS)

WEEK STARTING: 03/07/88

WEEKLY SUMMARY REPORT

PAGE 1 OF 1

Five MOS Observers were on shift; Daniel A. West, St. Lucie Nuclear Plant STA Supervisor (03/07-13/88, days), Terry L. Fulkerson, Westinghouse Electric Corp. (03/07-14/88, nights), C. D. Kelly, Turkey Point Nuclear Plant Maintenance/Specialty Training Supervisor (03/07-11/88, nights), J. A. Labarraque, Turkey Point Nuclear Plant Technical Department Supervisor (03/11-13/88, nights) and Melvin O. Kulp, Turkey Point Nuclear Plant Project Engineering (03/13-14/88, nights).

During the period both units operated at 100% power. Unit 4 operated at reduced power for a few days while weld repairs were performed on Feedwater suction piping.

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

During the reporting period, the MOS Observers noted sixteen recommendations or areas for improvements.

Seven comments and recommendations were made concerning plant equipment and conditions including a suggestion for a spare hydrolaser for Component Cooling Water Heat Exchanger cleaning, a comment about the induced movement of a support in the Condensate System, a suggestion that more high temperature data be obtained for the calibration of the Rod Position Indication System and a comment about determining the root cause of the spurious signal in the Control Room Radiation Monitoring channel.

Two comments were raised about proper tag identification on equipment.

Three comments were made concerning procedures associated with Quadrant Power Tilt Ratio limits, Rod Position Indication System off normal response and the redundancy of waivers for the new administrative procedure on Technical Specifications implementation.

Four comments were made on items such as legibility of certain drawings in the Control Room and training on the new corrosion inhibitor in the Component Cooling Water and Turbine Plant Cooling Water Systems.

ATTACHMENT: MOS DAILY REPORTS

ST.

To: Operations Superintendent - Nuclear

Date: 03/07/88

From: D. H. West
(MOS Observer)Shift: ☒ Day
☐ Night

A. Plant evolutions observed

- Both Units 100% power, steady state
- Observed routine shift operations
- Attended plan of day meeting and three Control Room briefings

B. Immediate safety problems

None observed

C. Questionable work practices

None observed

D. Area(s) for improvement

No comment

E. Professionalism, Summary of Shift, Comments

Observed professionalism to be good; shift was uneventful; no additional comments.

F. Recommendations

None

Completed By: D. H. West
MOS Observer

Date: 03/07/88

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

Date: 3/8/88

Management
Review By:*[Signature]* 13/8/88 *[Signature]* 13/8/88
PM-N Date SVP Date VP Date

03/07/88

To: Operations Superintendent - Nuclear

Date: 03/07-08/88

From: C. D. Kelly

(MOS Observer)

Shift: ☐ Day
☒ Night

A. Plant evolutions observed

- Inspected paint storage area - #4C Bus Transformer
- Reviewed O-ADM-021
- Followed job planning & clearance on 4A Feedwater Suction Line
- Observed Unit 4 load reduction to 50%
- 10:30PM peak shift meeting
- 11:30PM mid-shift planning meeting

Note: I appreciate the quick response on removal of paint and thinner from #4C Bus Transfer area. This item is considered closed. Items identified have been removed.

B. Immediate safety problems

None

C. Questionable work practices

None

D. Area(s) for improvement

None

E. Professionalism, Summary of shift, comments

Both peaks and mid-shifts are working well and operators are paying close attention to details. The mid-shift meeting was again, very informative and conducted in a formal manner.

Major items covered:

1. Unit 4 Feedwater Suction line leak/repair and unit load reduction to 50% (at approximately 2115). The clearance to isolate and drain the line was discussed by PSN.
2. APSN discussed carry over from previous shift of ONOP-028 on Unit 4 due to Rod Deviation Alarm (N9 & E11 lights were lit at bistables). Rod Position Indication indicated no deviation. I & C was notified and Interim Technical Specification used as reference.
3. Concern over Component Cooling Water temperature was discussed by PSN and STA. Maintenance was requested to prepare 4B Heat Exchanger for cleaning and felt that 4A Heat Exchanger would need to be cleaned again.

Note: Operations, Maintenance and Technical departments should review data, discuss this area and resolve some concerns.

4. Good work practices were discussed by PSN with emphasis on initiating PWO's on obvious equipment problems (i.e., leaks). He stated that these needed to be attacked more aggressively by NLO's.

F. Recommendations

None

Completed By: C.D. Kelly
MOS Observer

Date: 03/07-08/88

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

Date: 3/8/88

Management
Review By:

[Signature] 3/8/88 *[Signature]* 3/8/88 *[Signature]* 3/8/88
PM-N Date SVP Date VP Date

To: Operations Superintendent - Nuclear

Date: 03/07-08/88

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

A. Plant evolutions observed

- 50% power reduction
- End of shift meeting (peaks)
- Beginning of shift meeting (mids)
- Feedwater Heater alignment

B. Immediate safety problems

None

C. Questionable work practices

None

D. Area(s) for improvement

None

E. Professionalism, Summary of Shift, Comments

1. Both the end of shift and beginning of shift meetings were very professional, informative, and pertinent.
2. The power reduction to 50% was done in a very controlled manner.
3. The investigation of the Feedwater Heater line up problem was very good and the plant efficiency was restored using manual lineups.

F. Recommendations

None

Completed By: Terry Fulkerson
MOS Observer

Date: 03/07-08/88

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

Date: 3/8/88

Management
Review By:

1/15 13/5/88 13/8/88 3/8/88
PM/N Date SVP Date VP Date
03/07-08/88

Wkly

0-ADM-019

Management on Shift (MOS)
MOS DAILY REPORT

Page

1

To: Operations Superintendent - Nuclear

Date: 03/08/88

From: D. H. West

(MOS Observer)

Shift: ☒ Day
☐ Night

A. Plant evolutions observed

- Auxiliary Feedwater Pump overspeed trip test
- Spurious Control Room Recirculation Signal
- Instrument Air Hose failure
- Plan of Day meeting
- Three shift brief meetings
- APSN/PSN turnover
- RCO Trainee control

B. Immediate safety problems

None Observed

C. Questionable work practices

None observed

D. Area(s) for improvement

No comment

E. Professionalism, Summary of Shift, Comments

Observed good teamwork between Operations and Maintenance in rapidly responding to the potentially load threatening failure of a temporary instrument air hose.

A spurious Control Room Recirculation Signal occurred - Shift personnel made the proper notifications.

Observed good control ^{of} RCO trainees by the on-shift RCO's.

The ANPS requested that Training Department personnel conduct trainee walkthroughs on the simulator when the Control Room became overcrowded during the day shift.

F. Recommendations

Plant personnel indicated that the spurious Control Room Signal was a repeat problem. I suggest a special effort to find and correct the root cause as each such spurious actuation not only undermines operator confidence in the equipment but also requires a "red phone" notification to the NRC with followup Licensee Event Report.

Completed By: D. H. West
MOS Observer

Date: 03/08/88

Reviewed By: [Signature]
Operations Superintendent- Nuclear

Date: 3/9/88

Management
Review By:

[Signature] 13/9/88 NO 13/9/88 [Signature] 13/9/88
PM-N Date SVP Date VP Date
03/08/88

To: Operations Superintendent - Nuclear

Date: 03/08-09/88

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

A. Plant evolutions observed

- End of Shift Meeting (peaks)
- Beginning of Shift Meeting (mids)
- Feedwater Piping repair

B. Immediate safety problems

None

C. Questionable work practices

None

D. Area(s) for improvement

See E 2 and F 1

E. Professionalism, Summary of Shift, Comments

1. Both shift meetings were very informative and professional, participation was very good and pertinent.
2. A problem was encountered with the Rod Position Indication (RPI) system in which several Bank D Rods were greater than 12 steps indicated out of alignment with Bank Demand Indicators. O-ADM-021 requires that if more than 1 RPI greater than 12 steps out of alignment, Interim Tech. Spec. Section 3.03 must be implemented and the plant shut down. Because of this, the requirement was waived per O-ADM-021 and proper notifications were made.

The RPI ONOP addresses the fact that upon power changes with a temperature change, the RPI's will read erroneously high, and permits operation less than 50% power with greater than 12 step disagreement. The ONOP however does not give specific guidance on how to correct the inaccurate indication before returning to greater than 50% power. The PSN discussed the problem with the Operations Supervisor. It was decided to realign the RPI indications to allow power ascension. The alignment however is done using 547°F data which is probably not accurate for the existing plant conditions of 50% power.

F. Recommendations

1. Since the problem with the analog RPI system is expected upon most large power reductions, the ONOP should provide a definite course of action to correct the problem before a power ascension is made.
2. Also an I & C procedure is needed to align the RPI's at any temperature (This may require a lot of data to determine the full impact of temperature changes upon the RPI).

Completed By: Terry Fulkerson
MOS Observer

Date: 03/08-09/88

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

Date: 3/9/88

Management
Review By:

[Signature] 13/1/88 *[Signature]* 3/9/88
PM-N Date SVP Date VP Date

To: Operations Superintendent - Nuclear

Date: 03/08-09/88

From: C. D. Kelly
(MOS Observer)Shift: ☐ Day
☒ Night

A. Plant evolutions observed

- Normal shift duties/with trainees on-shift
- 10:30PM Peak shift meeting
- 11:40PM Mid shift planning meeting
- Provided interface between departments for No. 4A Feedwater Suction Line repair and followed job progress
- Unit 4 Turbine

B. Immediate safety problems

None

C. Questionable work practices

None

D. Area(s) for improvement

The Peak shift PSN has concerns on procedures specific to Interim Tech. Specs., where some conflict in use of O-ADM-021 with ONOP's is evident.

An example being deviations in rod position as experienced when Unit 4 was brought to 50% power. ONOP-28 was implemented to resolve the problems identified on Monday night. ONOP-028 references Interim Tech. Specs.

It is felt if an ONOP references the Interim Tech. Specs., duplication on PNSC approval based on the need to obtain a waiver/OTSC should not be necessary.

I have attached the PSN's comments and if further explanation is required, he would be glad to assist.

This appears to be an administrative problem and not one that would result in regulatory violation or unit reliability issues.

See T. Fulkerson report.

E. Professionalism, Summary of Shift, Comments

10:30PM Peak Shift Meeting

Excellent meeting. Plant status was covered in detail - Annunciators Out-of-service were reviewed and important items for shift turnover were brought out.

11:40PM Mid Shift Meeting

Excellent meeting. Brief and to the point. All maintenance activities were discussed and operations needs were met.

Trainees on shift

For the past 3 nights I have observed the interaction between PSN's, RCO's and trainees on shift. The on-the-job training that is taking place is very good and the RCO's observed are very respondent to the trainees in every way. They are doing a good job of running the units and giving time to the students.

Unit 4 Turbine Valve Test

Smoothly performed, operator trainees were involved and Maintenance Supervisor re-enforced the entire evolution by informing operators of expected unit reaction. Good team work.

F. Recommendations

For plant management team consideration:

The conduct of personnel on the backshifts has really improved, especially in Operations; and as can be expected, some shift personnel are better than others.

Plant management may want to take time now and evaluate each shift to develop a model that meets their expectations. Good performance needs to be recognized. Those who fall short will know why by example and probably make the necessary corrections in their work.

Suggestions:

1. Standard format for shift briefings
2. Allow PSN's to become Management On Shift and turn in a report such as this one or the STA report.

Completed By: C. D. Kelly
MOS Observer

Date: 03/08-09/88

Reviewed By: [Signature]
Operations Superintendent - Nuclear

Date: 3/9/88

Management
Review By:

6/1/88 13/9/88 [Signature] 3/9/88 [Signature] 3/9/88
PM-N Date SVP Date VP Date

03/08-09/88

Continuation Page

Page 3 of 3Date: 03/08-09/88Shift: ☐ Day
☒ Night

Attachment 1

O-ADM-021 requires documentation of problems associated with "Interim Tech. Specs." including feedback forms and a procedure for waivers of their requirements.

The problems with the Interim Tech. Spec. on Rod Position Indication systems were addressed prior to issuance of O-ADM-021. The resolution to these problems are contained in the associated Off-Normal Procedure ONOP-028. This ONOP references Interim Tech. Specs. and was reviewed by the PNSC and approved by the Plant Manager.

Provisions need to be made to avoid having to redocument problems which have already been addressed, resolved and documented. Specifically this problem will reoccur any time we operate below 50% power. and will require a new waiver each time, unless a solution can be found.

P. Salkeld, PSN

MOS Observer

27-17

0-ADM-019

Management on Shift (MOS)
MOS DAILY REPORT

Page

1

To: Operations Superintendent - Nuclear

Date: 03/09/88

From: D. H. West
(MOS Observer)

Shift: ☒ Day
☐ Night

A. Plant evolutions observed

° Observed steady state plant operations and routine surveillances

B. Immediate safety problems

None observed

C. Questionable work practices

None observed

D. Area(s) for improvement

No comment

E. Professionalism, Summary of Shift, Comments

Observed professionalism of Operations and Maintenance personnel to be good.

Noted that both Operations and Maintenance personnel closely referred to the applicable procedures for all evolutions observed.

F. Recommendations

No recommendations

Completed By: D. H. West
MOS Observer

Date: 03/09/88

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

Date: 3/10/88

Management
Review By:

J. S. 13/10/88
PM-N Date

[Signature] 13/10/88
SVR Date

[Signature] 13/10/88
VP Date
03/09/88

To: Operations Superintendent - Nuclear

Date: 03/09-10/88

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

A. Plant evolutions observed

- ° Shift turnover (peaks to mids)
- ° Power escalation on Unit 4 to 400 MWE

B. Immediate safety problems

None

C. Questionable work practices

None

D. Area(s) for improvement

None

E. Professionalism, Summary of Shift, Comments

1. End of shift (peaks) and beginning of shift (mids) briefings were very professional and informative.
2. The power escalation to 400 MWE was done very smoothly by the license candidates under the close supervision of the Unit 3 RCO.

F. Recommendations

None

Completed By: Terry L. Fulkerson
MOS Observer

Date: 03/09-10/88

Reviewed By: [Signature]
Operations Superintendent - Nuclear

Date: 3/10/88

Management
Review By:

[Signature] 3/10/88 [Signature] 3/10/88
PM-N Date SVP Date VP Date

03/09-10/88

To: Operations Superintendent - Nuclear

Date: 03/09-10/83

From: C. D. Kelly
(MOS Observer)Shift: ☐ Day
☒ Night

A. Plant evolutions observed

- #4A Feedwater Suction repair
- 10:30PM peak shift meeting
- 11:40PM mid shift meeting
- #4A Component Cooling Water (CCW) Heat Exchanger cleaning
- Review CCW/Intake Cooling Water (ICW) program and Justification for Continued Operation. Also the official and Interim Tech. Specs.
- Review Redbook, PSN Log and Out-of-Service Log

B. Immediate safety problems

None

C. Questionable work practices

None

D. Area(s) for improvement

1. A method to validate CCW/ICW Heat Exchanger data furnished to the STA needs to be identified and possibly include Management review and approval prior to declaring a Heat Exchanger out-of-service. The engineering analysis program generates concerns that need to be reviewed/discussed by Operators, Technical and Maintenance.
2. Until Unit 4 CCW Amertap System is installed, maintenance needs to obtain a standby Hydrolaser unit. Having one unit breakdown during a 24 hour Limiting condition for Operation (LCO) is not a desirable position to be in.
3. Some Piping and Instrument Diagrams (P&ID's) in the Control Room are not legible and need replacement. Note, Mid shift is generating a list of P&ID's needing better quality copy and a request to Document Control for replacement will be made.

E. Professionalism, Summary of Shift, Comments

Both peak and mid-shifts demonstrated repeated performances that I feel are very professional. Both meetings were brief, very direct and covered all details of Unit/equipment status. Note, Chemistry missed mid shift meeting.

4A CCW Heat Exchanger cleaning:

I observed Maintenance as they started with the 4A CCW cleaning and found nothing wrong with their methods. Each member of the crew (foreman, supervision and journeymen) understood the status of the equipment, the LCO and desired conduct of the whole job.

There was some dissatisfaction with the Hydrolaser Unit and after several stops and fixes, it was obvious why they were dissatisfied. Having equipment that breaks down while under an LCO creates unnecessary pressure.

I inspected the Heat Exchanger and found no evidence of silt or solids. The water in/water out observed while lancing was clean. Each tube was cleaned on an average of 50 seconds.

4A Feedwater Suction Repair:

Job progress has been smooth since a final fix was determined. Mechanics are doing a good detailed job. Pass welds were magnetic particle tested and ok'd by Quality Control.

Summary

Excellent people doing excellent work!

F. Recommendations

1. Obtain a standby Hydrolaser Unit. (Have Maintenance bring over fossils just in case).
2. Management review of 4A CCW LCO and deciding data which was taken at 5PM 3/9/88.

Completed By: C. D. Kelly
MOS Observer

Date: 03/09-10/88

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

Date: 3/10/88

Management
Review By:

PM-N *1/1/88* *SVP* *1/3/1988* *VP* *3/10/88*
Date Date Date Date Date

03/09-10/88

To: Operations Superintendent - Nuclear

Date: 03/10/88

From: D. H. West
(MOS Observer)Shift: ☒ Day
☐ Night

A. Plant evolutions observed

- ° Steady state plant operation
- ° Routine surveillances
- ° Plan of day meetings
- ° Control Room briefings
- ° Operations troubleshooting of Reactor Coolant Pump Seal leakoff problem
- ° Maintenance cleaning of Component Cooling Water Heat Exchanger

B. Immediate safety problems

None observed

C. Questionable work practices

None observed

D. Area(s) for improvement

No comment

E. Professionalism, Summary of Shift, Comments

Operations Department troubleshooting of a Reactor Coolant Pump Seal leak off problem was accomplished in a professional manner using the appropriate procedures and drawings.

F. Recommendations

None

Completed By: D. H. West
MOS Observer

Date: 03/10/88

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

Date: 3/11/88

Management
Review By:*WFB* 13/11/88 *SVH* 13/11/88 *VP* 3/11/88
PM-N Date SVH Date VP Date

03/10/88

To: Operations Superintendent - Nuclear

Date: 03/10-11/88

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

A. Plant evolutions observed

- Shift turnover (peaks to mids)
- Steady state operations

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: Terry L. Fulkerson
MOS Observer

Date: 03/10-11/88

Reviewed By: 
Operations Superintendent - Nuclear

Date: 3/11/88

Management
Review By:

Y/L 1.0.1.2 X 13/11/88 3/11/88
PM/N Date SVP Date VP Date

To: Operations Superintendent - Nuclear

Date: 03/10-11/88

From: C. D. Kelly

(MOS Observer)

Shift: ☐ Day
☒ Night

A. Plant evolutions observed

- Normal shift duties (trainees on shift)
- Mech., Elect., & I & C - jobs in progress
- 10:30PM & 11:40PM shift meetings
- Plant walk downs
 - Auxiliary Feedwater area
 - Water Treatment Plant and Intake areas
 - Emergency Diesels (observed test run on B)
 - Turbine Deck & Mezzanine levels
- Power Block Security Personnel (March 6-11, 1988)

B. Immediate safety problems

None

C. Questionable work practices

None

D. Area(s) for improvement

None

E. Professionalism, Summary of Shift, Comments

The conduct of all personnel (Maintenance, Operations, STA, HP & Chemistry) during normal shift duties and shift meetings is outstanding. Use of procedures, Tech. Specs. and PWO packages has been performed with very constructive attitudes. Those problems encountered during the past week were dealt with correctly and quietly. The system is working.

Use of the "Plan of the Day" is good and we should continue to monitor it's effectiveness for improvements.

Security personnel observed during the week have been alert, cautious and providing good coverage of the Power Block areas.

General comments:

One of the best decisions made was the addition of Procedure Upgrade Program representative to the backshift. What enhances this addition is the individual selected, who I believe is doing an excellent job. His knowledge and desire to meet the needs are exceptional.

I've enjoyed this MOS and appreciate the help and responsiveness from the personnel on shift.

F. Recommendations

None

Completed By: C. D. Kelly
MOS Observer

Date: 03/10-11/88

Reviewed By: [Signature]
Operations Superintendent- Nuclear

Date: 3/11/88

Management
Review By:

PM-N 13/11/88 SVP 13/11/88 VP 13/11/88
Date Date Date Date
03/10-11/88

To: Operations Superintendent - Nuclear

Date: 03/11/88

From: D. H. West

Shift: ☒ Day
☐ Night

(MOS Observer)

A. Plant evolutions observed

- Observed up power maneuver from 70% power to 100% power on Unit 4
- Observed full power steady state operations on Unit 3
- Observed routine surveillances

B. Immediate safety problems

None observed

C. Questionable work practices

None observed

D. Area(s) for improvement

No comment

E. Professionalism, Summary of Shift, Comments

All operations and maintenance observed was conducted in a professional manner

F. Recommendations

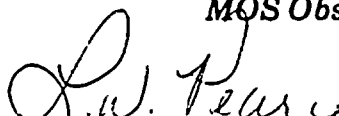
None

Completed By: D. H. West

Date: 03/11/88

MOS Observer

Reviewed By:


Operations Superintendent - Nuclear

Date: 3/14/88

Management
Review By:

C/13 13/14/88 SVP 3/14/88 VP 1
PM-N Date Date Date

03/11/88

To: Operations Superintendent - Nuclear

Date: 03/11-12/88

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

A. Plant evolutions observed

- Shift turnover (peaks - Mids)
- Student training
- Steady state operations

B. Immediate safety problems

None

C. Questionable work practices

None

D. Area(s) for improvement

None

E. Professionalism, Summary of Shift, Comments

1. The shift was mostly steady state operations with no problems.
2. The training conducted by the shifts was very good and pertinent. The students were well supervised and were often challenged to extend their knowledge.
3. The shift turnovers, were complete, concise, and professional.
4. Problems with the plant page system hindered the operators in the performance of their jobs.
5. While monitoring a discussion on Quadrant Power Tilt Ratio (QPTR) between an operator and his student, I realized there was a difference between the actions of ONOP 12308.2, Power Range Nuclear Instrumentation Alarm Verifications, and those of ADM 021, Use of Interim Tech. Specs.

F. Recommendations

Need to change ONOP 12308.2 (QPTR procedure) to reflect the more restrictive requirements of ADM 021.

Completed By: Terry L. Fulkerson
MOS Observer

Date: 03/11-12/88

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

Date: 3/14/88

Management
Review By:

9/73 13/14/88 920 1 3/14/88
PM-N Date SVR Date VP 1
03/11-12/88 Date

To: Operations Superintendent - Nuclear

Date: 03/11-12/88

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

A. Plant evolutions observed

- 4A Component Cooling Water Heat Exchanger (CCW HX) cleaning
- Shift turnover
- Intake Pump area inspection
- General plant inspection

B. Immediate safety problems

None

C. Questionable work practices

None

D. Area(s) for improvement

None

E. Professionalism, Summary of Shift, Comments

Operating and maintenance personnel were very alert and interested in doing the best job possible. There was a considerable amount of discussion on why the CCW HX needed cleaning. The STA explained the issues. He was very knowledgeable and polite.

F. Recommendations

None

Completed By: J. A. Labarraque
MOS Observer

Date: 03/11-12/88

Reviewed By: X.W. Pierce
Operations Superintendent - Nuclear

Date: 3/14/88

Management
Review By:

CJB 3/14/88 gfo 3/14/88
PM/N Date SVP Date VP Date
03/11-12/88

To: Operations Superintendent - Nuclear

Date: 03/12/88

From: D. H. West

(MOS Observer)

Shift: ☒ Day
☐ Night

A. Plant evolutions observed

- Observed steady state full power operation of both units
- Observed routine surveillances and maintenance
- Attended shift briefings

B. Immediate safety problems

None observed

C. Questionable work practices

None observed

D. Area(s) for improvement

No comment

E. Professionalism, Summary of Shift, Comments

Observed all shift operations to be conducted in a professional manner.

The shift briefings continue to be utilized very effectively by shift supervision to focus the efforts of both operations and maintenance personnel; as well as to review anticipated problems/concerns with them.

F. Recommendations

None

Completed By: D. H. West
MOS Observer

Date: 03/12/88

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

Date: 3/14/88

Management
Review By:

CB 3/14/88 *[Signature]* 3/14/88
PM/N Date SVR Date VP Date

03/12/88

10/10/72



To: Operations Superintendent - Nuclear

Date: 03/12-13/88

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

A. Plant evolutions observed

- Shift turnover (peaks to mids)
- Steady state operations

B. Immediate safety problems

None

C. Questionable work practices

None

D. Area(s) for improvement

None

E. Professionalism, Summary of Shift, Comments

Turnovers were concise, informative and professional.

F. Recommendations

None

Completed By: Terry L. Fulkerson
MOS Observer

Date: 03/12-13/88

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

Date: 3/14/88

Management
Review By:C/B 13/14/88 SVF 13/14/88
PM/N Date VP Date

03/12-13/88

To: Operations Superintendent - Nuclear

Date: 03/12-13/88

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

A. Plant evolutions observed

- Shift turnover
- Temporary lift of a clearance
- 4A Component Cooling Water Heat Exchanger (CCW HX)

B. Immediate safety problems

None

C. Questionable work practices

None

D. Area(s) for improvement

None

E. Professionalism, Summary of Shift, Comments

Plant is taut, quiet and clean.

F. Recommendations

None

Completed By: J. A. Labarrague
MOS Observer

Date: 03/12-13/88

Reviewed By: J. W. F. P. P. P. P.
Operations Superintendent - Nuclear

Date: 3/14/88

Management
Review By:CJB 13/14/88 JAO 3/14/88
PM-N Date SVP Date VP Date
03/12-13/88

To: Operations Superintendent - Nuclear

Date: 03/13/88

From: D. H. West

(MOS Observer)

Shift: ☐ Day
☒ Night

A. Plant evolutions observed

- Observed steady state full power operations on both units
- Observed routine surveillances and maintenance

B. Immediate safety problems

None observed

C. Questionable work practices

None observed

D. Area(s) for improvement

No comment

E. Professionalism, Summary of Shift, Comments

Observed that Control Room personnel continue to maintain high standards of professionalism.

F. Recommendations

None

Completed By: D. H. West
MOS Observer

Date: 03/13/88

Reviewed By: [Signature]
Operations Superintendent - Nuclear

Date: 3/14/88

Management
Review By:

CHB 13/14/88 [Signature] 13/14/88 1
PM/N Date SVR Date VP Date
03/13/88

To: Operations Superintendent - Nuclear

Date: 03/13-14/88

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

A. Plant evolutions observed

- ° Shift turnover (peaks to mids)
- ° Steady state operations

B. Immediate safety problems

None

C. Questionable work practices

None

D. Area(s) for improvement

None

E. Professionalism, Summary of Shift, comments

Shift turnovers continue to be very good

F. Recommendations

None

Completed By: Terry L. Fulkerson
MOS Observer

Date: 03/13-14/88

Reviewed By: [Signature]
Operations Superintendent - Nuclear

Date: 3/14/88

Management
Review By:

CMN 3/14/88 SVP [Signature] 3/14/88 VP [Signature]
Date Date Date
03/13-14/88

To: Operations Superintendent - Nuclear

Date: 03/13-14/88

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

A. Plant evolutions observed

- Steady State power operations
- Observed STA data interpretation graphs on Component Cooling Water (CCW) Heat Exchanger cleanliness
- Walk through of Turbine Plant areas, Demineralized Water Storage Tank area, Condensate Polisher area, Water Treatment Plant and Intake area with the peak shift PSN, Pat Salkeld
- Shift turnover in the Control room

B. Immediate safety problems

None

C. Questionable work practices

None

D. Professionalism, Summary of Shift, Comments

1. No proper identification on the new Control Room AC filter located outside 4B 4160V Switchgear room.
2. Leakage from Demineralized Water Tank Seal Water Tank top flange.
3. One operator was not aware the corrosion inhibitor in the Component Cooling Water and Turbine Plant Cooling Water Systems had been changed from chromates to molybdates.
4. Acid line in the Water Treatment Plant is hard piped to a clogged drain below Cation A Demineralizer T12A. PWO tag indicates removal of the line will take place.
5. Support flexing in a manner possibly not in accordance with design on a line for condensate from the Low Pressure Heater 5A to the suction of the Steam Generator Feedwater Pumps (SGFWP) on the Turbine Building Mezzanine north east of the 3A SGFWP Exhaust Fan.
6. Observed name plate in Unit 3 nonvital Battery Bus Room lying on the floor. Tag was off 3D31-1 through 3D31-20 Switchgear. The PSN, Pat Salkeld took the name plate.
7. Observed 1 firewatch and 1 guard not wearing hearing protection in an area designated to wear hearing protection.

E. Professionalism, Summary of Shift, Comments

The STA, Paul Roach, explained the CCW Heat Exchanger cleanliness graphs to me in a clear, concise and professional manner. The peak shift PSN, Pat Salkeld conducted his walk through in a thorough and professional manner.

The entire plant was clean and well lighted.

F. Recommendations

1. Provide ID Tag on the new Control Room air filter that designates name of equipment and/or Plant Change/Modification.
2. Write PWO to stop water leaking from the Demineralized Water Tank Seal Water Tank flange.
3. Provide training on Component Cooling Water and Turbine Plant Cooling Water Systems corrosion inhibitor, if necessary.
4. Expedite PWO WA880580923 to restore concentrated acid line in water treatment plant so that it routes to a poly bottle instead of to the drain under Cation A Demineralizer TI2A.
5. Provide engineering review of support design mentioned in section D5 of this report and operating conditions within 3 days to determine if a problem exists with support flexure.
6. Reattach name plate to 3D31-1 through 3D31-20 Switchgear.
7. Provide instruction to Security forces on proper use of hearing protection gear in designated areas.

Completed By: M. O. Kulp
MOS Observer

Date: 03/13-14/88

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

Date: 3/14/88

Management
Review By:

CJB 13/14/88 *[Signature]* 13/14/88
PM/N Date SVP Date VP Date
03/13-14/88