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 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

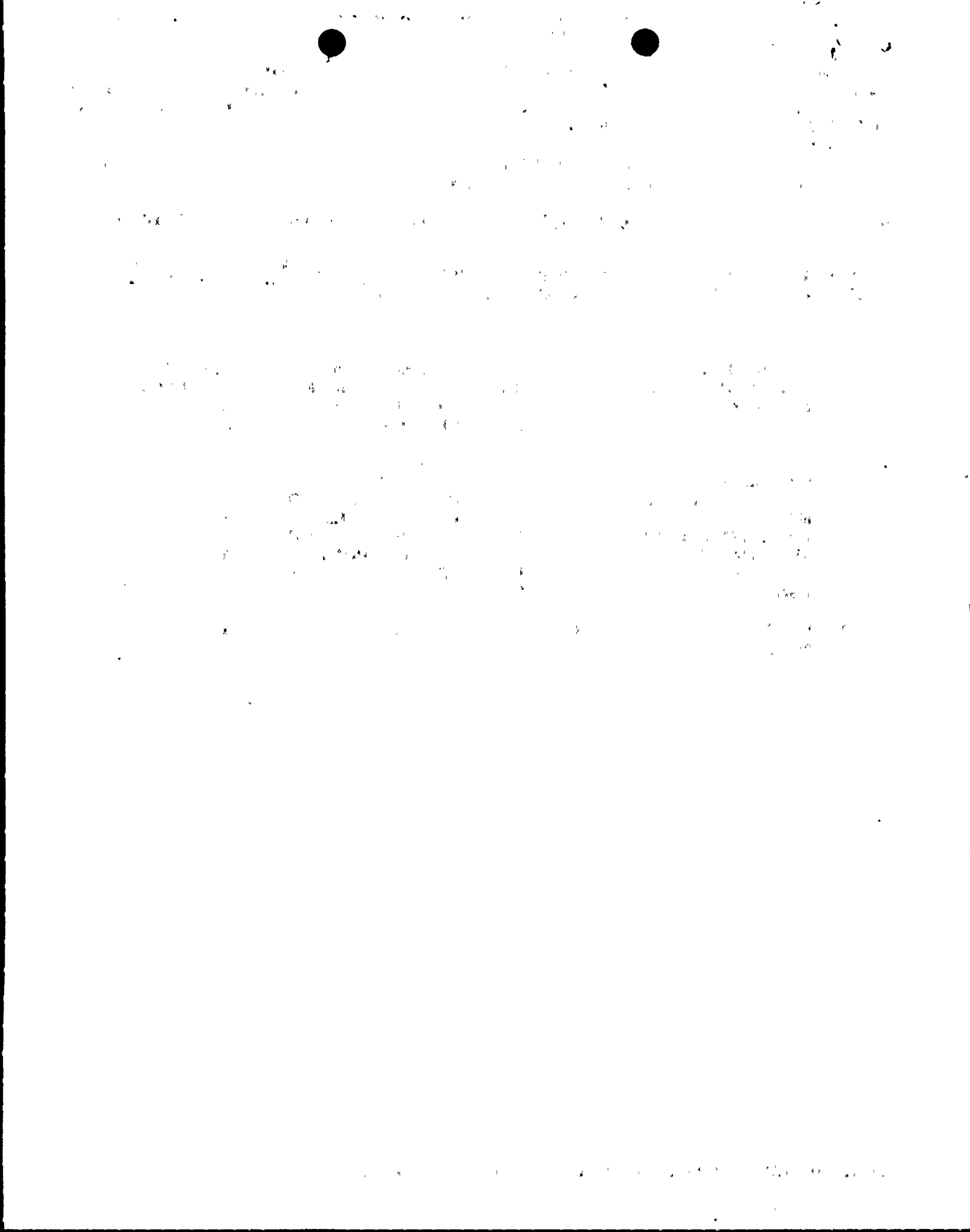
SUBJECT: Forwards summary of mgt-on-shift weekly repts, per NRC 871019 order.

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MARCH 23 1988

L-88-142

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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MANAGEMENT ON SHIFT (MOS)

WEEKLY SUMMARY REPORT

WEEK STARTING: 3/14/88

PAGE 1 OF 1

Four MOS Observers were on shift; Neal Roos, St. Lucie Nuclear Plant Quality Control Supervisor (03/14-20/88, days), Andrew P. Drake, Westinghouse Electric Corporation (03/14-21/88, nights), Melvin O. Kulp, Turkey Point Nuclear Plant Engineering Department Project Engineer (03/14-16/88, nights), and Julio C. Balaguero, Turkey Point Nuclear Plant Operations Support Supervisor (03/16-21/88, nights).

Unit 4 operated at 100% power throughout the period. Unit 3 was at 100% power until March 15, 1988, when it was removed from service to investigate and correct a noise indication of loose internal components in the 3D Moisture Separator Reheater.

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

During the reporting period, the MOS Observers noted thirty-three recommendations or areas of improvement. The comments and suggestions included:

Fourteen comments on various housekeeping practices including temporary wooden structures over flow transmitters, housekeeping near various Heating and Ventilating units and proper disposal of paper waste.

Eight comments were made on labeling of components and proper installation of identification tags.

Three comments were made on items associated with plant procedures including development of a procedure to calculate shutdown margin in accordance with the O-ADM-021 "Technical Specification Implementing Procedure" and availability of operating procedures at the Containment Escape Hatch.

Three comments were made on the status and use of Training Briefs associated with the Auxiliary Feedwater Backup Nitrogen System and the Reactor Vessel Head Leak Detection System.

Four other plant related comments were made on such items as the number of spurious alarms on a Fire Detection Panel and the lighting in the B Emergency Diesel Generator Fan Room.

One comment was made concerning assigning proper priority to responding to a 24 hour Limiting Condition for Operation item versus another scheduled plant activity.

ATTACHMENT: MOS DAILY REPORTS

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0-ADM-019

Management on Shift (MOS)

MOS DAILY REPORT

Page

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To: Operations Superintendent - Nuclear

Date: 03/14/88

From: N. G. Roos
(MOS Observer)Shift: ☒ Day
☐ Night

A. Plant evolutions observed

Routine operations

B. Immediate safety problems

None

C. Questionable work practices

None

D. Area(s) for improvement

None

E. Professionalism, Summary of Shift, Comments

Getting familiar with Turkey Point Operations

F. Recommendations

None

Completed By: N. G. Roos
MOS Observer

Date: 03/14/88

Reviewed By: [Signature]
Operations Superintendent - Nuclear

Date: 3/15/88

Management
Review By:

CB 13/15/88 AO 13/15/88 [Signature] 3/15/88
 PM-N Date SVB Date VP Date

03/14/88

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To: Operations Superintendent - Nuclear

Date: 03/14-15/88

From: Andrew P. Drake
(MOS Observer)Shift: ☐ Day
☒ Night

A. Plant evolutions observed

- Units 3 and 4 at 100% power
- 10:30PM shift meeting
- 11:00PM shift turnover
- Rod Position Indication Calibration, Unit 4
- Toured:
 - Turbine Building Auxiliary Feedwater Units 3 and 4
 - Emergency Diesel Generators A and B
 - Machine Shop
 - I & C Shop
 - Electrical Shop
 - Cable Room Units 3 and 4
 - Water Treatment area
 - Intake Structure area
 - Fire Protection Pump area

B. Immediate safety problems

None

C. Questionable work practices

None

D. Area(s) for improvement

1. Tag for SGWL-4-071 "TEST CONN BLDN HDR to and from SGWL PPC N/C" is on the box covering the Steam Generator A-B-C Feedwater flow transmitters FT-4-476,486,& 496.
2. Train 1 Nitrogen station bottle #4 stop valve tag missing. "3-40-1656" at station #1 Nitrogen Backup to Auxilliary Feedwater Flow Control Valve, Train 1.
- * 3. Unit 3 Chemical Feed Tank 3T69 is open. Observed water and foreign objects including metal ring inside. Possibility exists of these objects dropping into pipe and out of sight.
4. Paper waste found in trash can marked "Oil Only Trash" in Emergency Diesel Generator B Room.
- * 5. Nitrogen Backup to Train 1 Auxilliary Feedwater Flow Control Valve Station 4, bottle 4 has two tags on it. One reads "Standby", the other, "In service". Also bottle 1 has no tag on it.
6. Lighting in Emergency Diesel Generator B Fan ²⁰⁴ Blade Room is poor:
7. Bucket marked "Hazardous Waste Collection Only" filled to rim. by discharge from Cation A Demineralizer. It will be difficult to empty this without spilling any if it is actually full of hazardous waste. Also noted concentrated acid being drained straight to floor drain instead of a collection bottle for disposal.
8. Area near A/C-3N and A/C-2N air handling units was the dirtiest area I was in all night. A good cleaning of this area is needed.
9. Unit 4 Cable Spreading Room has various equipment located in this area with non-seismic qualified mounting/stands.
10. A continuous tape drive unit is located in the Unit 4 Cable Spreading Room area with no equipment identification tag.

Questions:

1. Why is a rope attached to the exterior level gauge on the Demineralized Water Storage Tank?
2. Why are wooden boxes around Unit 4 Auxilliary Feedwater Flow Transmitters and tie wrapped to vertical beams?
3. Why is there a wooden box over Steam Generator A-B-C Feedwater Flow Transmitters FT-4-476,486 & 496?
4. Unit 3 area had a valve wrench hanging from one valve. Is this a common practice?
5. Why are there water softener salt bags in the Unit 4 Steam Generator Feedwater Pump area?

* Items discussed with Tom Wogan, PSN.

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B. Professionalism, Summary of Shift, Comments

1. I was very impressed with the cleanliness of the Machine, I & C, and Electrical Shops. I realize this is a new building but a good housekeeping policy seems to be in effect.
2. Robert Buege gave an excellent overview on the upcoming AFW gauge modification on the Backup Nitrogen Supply System. The pictures taken were particularly good. I had no problems identifying the work to be done when I toured the AFW area later. The pictures are an excellent briefing tool.
3. Arthur Singer, APSN, gave Melvin Kulp and myself an excellent walk down of the main control boards and process/protection cabinet areas. He answered all questions quickly and clearly. His offer to tour the Control Room was unsolicited by us but offered outright. His shift operated in a highly professional manner, acknowledged annunciators quickly, and operated equipment without hesitation. The shift meeting and turnover were performed quickly, efficiently and productively.
4. Shift 5 Turbine Operator commented (during resolution of tag problem in Item D-5) that no one uses the tags anyways. (Implying it was not worth the time to correct). The PSN was quick to point out if the tags were to be hung, they should be hung correctly. The Turbine Operator on the previous shift also made a similar comment when he was asked to check the problem. His resolution was to push the extra tag further up the supply line.

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F. Recommendations

1. Rehang the SGWL-4-071 tag in the proper place. Plant personnel should be cautioned against accidental tag removal and replacement.
2. Replace Train No. 1 Nitrogen Station bottle no. 4 Stop Valve missing tag. Operators should look for misplaced tags during their rounds.
3. Make a screen cover for the Chem Feed Tank to keep out foreign objects if it is to remain open (note: Unit 4 Tank cover is closed).
4. Remind personnel of proper segregated trash disposal requirement.
5. Correct tag placement in Auxillary Feedwater Nitrogen Bottle area and caution personnel about multiple tags on a single piece of equipment.
6. Increase lighting in area of B Emergency Diesel Generator.
7. Empty bucket near Cation Demineralizer A in Water Treatment Plant area. If it is not hazardous material do not use a bucket marked so. Correct acid drain problem in Water Treatment Plant area.
8. Clean area near Control Room Air Handling Units A/C-3N and A/C-2N.
9. Assess seismic impact of miscellaneous equipment in Unit 4 Cable Spreading Room.
10. Place identifying tag on continuous tape drive in Cable Spreading Room.
11. Stress to operators and support personnel that equipment tags serve an important function. Whether an operator chooses to use the tags does not excuse improper hanging of equipment tags.

Completed By: Andrew P. Drake
MOS ObserverDate: 03/14-15/88Reviewed By: *L.W. Pearce*
Operations Superintendent - NuclearDate: 3/15/88

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To: Operations Superintendent - Nuclear

Date: 03/14-15/88

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

A. Plant evolutions observed

- Discussed status of Auxillary Feedwater Nitrogen Backup. Plant Change/Modification 88-44 & 45 with R. Buege (from Construction).
- Discussed status of PWO on Demineralized Water Storage Tank vent tank with Clark Boggs of Mechanical Maintenance.
- Conducted plant walkthrough of Unit 3 & 4 Auxillary Feedwater Nitrogen Backup stations and Diesel Buildings, Water Treatment Plant, I & C/Technical Support Center area.
- Walked through Control Room with APSN A. Singer who described controls and indications on all panels and boards.
- Observed the end of shift Control Room meeting and shift turnover in the Control Room.
- Walked through new Nuclear Maintenance Building.
- Walked through Cable Spreading Room, 3/4 4160 Switchgear, 3/4 480V Switchgear rooms, and 3/4 A & B Motor Control Center.

B. Immediate safety problems

None

C. Questionable work practices

None

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D. Area(s) for improvement

1. There ^{EXISTS} ~~exists~~ what appears to be temporary wooden structures around AFW Flow Transmitters 4R06 (Train 1) and 4R05 (Train 2). These wooden structures are held by tie wraps and nails to the rack supports. Also a wooden structure exists built around FT-4-476,486 & 496.
2. On Unit 4 Train 1 Auxillary Feedwater Nitrogen Backup station #4 there were two tags on bottle #4 and bottle #1 had no tag.
3. A tag labeled "SGWL-4-077 Test Connection Blowdown Header to and from SGWL PPC" was found lying on wooden enclosure around FT-4-476,486 & 496.
4. Top open on Unit 3 Chemical Feed Tank (3T69) and debris observed in the tank.
5. Unit 4 Auxillary Feedwater Nitrogen Backup station Train 1 stop valve tag is missing.
6. Observed several objects in the Cable Spreading Room that were not secured.
These items are as follows:
 - a. Two drawer locked file cabinet south of ^{D. Sdf} ~~Sagamo~~ continuous equipment monitor.
 - b. Wood and wire mesh barriers located west of relay cabinets for Unit 4 Generator and Main Transformer and Auxillary and Startup Transformers.
 - c. Electrical equipment drawer located on the top of tape degauser in the SW corner of the room.
 - d. Instrument rack and printer west of the Digital Data Processing System Rack #4.
 - e. Vacuum cleaner inside Control Room Air Conditioning equipment room west of AC-3N air handling unit.
7. Observed six to eight 55 gallon drums of paint thinner east of the Technical Support Center Building.

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E. Professionalism, Summary of Shift, Comments

1. R. Buege of Construction explained the status of PC/M 88-44 and 45, Auxilliary Nitrogen Backup Gage replacement, in a clear, concise and highly professional manner. He demonstrated a thorough knowledge of the PC//M and details of it's implementation plan.
2. Clark Boggs discussed work being performed by Mechanical Maintenance during this shift in a professional manner utilizing the Plan of the Day as a reference.
3. All shops in the new Nuclear Maintenance Building were observed to be very neat and clean.
4. Walk through/tour of the Control Room conducted by A. Singer, APSN was performed in a highly professional manner and was very informative.
5. The end of shift and shift turnover meetings were conducted in a professional manner, and everyone was very attentive.
6. The PSN, Tom Wogan, acted quickly to dispatch an operator to check the lineup of the Unit 4 Auxilliary Feedwater Nitrogen backup system. The operator (TO) Jose Gomez promptly returned to the Control Room to report that the system was lined up properly. The PSN on the next shift, Tom Anderson, had the tag on Nitrogen bottle cut off and prepared it for placement on the correct bottle.

F. Recommendations

1. QC should inspect AFW Flow Transmitters. 4R06 (Train 1) and 4R05 (Train 2) and FT-4-476, 486, and 496 and determine if a nonconformance exists.
2. When changing out Auxilliary Nitrogen Backup bottles, operators should ensure that tags are free to be moved when bottle is connected.
3. Replace tag on SGWL-4-007 test connection.
4. Normally position the top of Chemical Feed Tanks down or provide a cover to prevent foreign debris from entering the tank. Clean tank to ensure no major residual debris exist.
5. Replace the tag on Auxilliary Feedwater Nitrogen Train 1 Stop Valve.
6. QC should inspect areas of the Cable Spreading Room in question and determine if a nonconformance exists.
7. Fire Protection Supervisor, Safety Coordinator and Chemical Control Coordinator should inspect area east of Technical Support Center to determine if potential danger exists.

Completed By: M. O. Kulp
MOS ObserverDate: 03/14-15/88Reviewed By: [Signature]
Operations Superintendent - NuclearDate: 3/15/88Management
Review By:

PM-N 13/15/88 SVP 13/15/88 VP 13/15/88
Date Date Date

FINAL PAGE

03/14-15/88

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0-ADM-019	Management on Shift (MOS) MOS DAILY REPORT	Page 1
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To: Operations Superintendent - Nuclear

Date: 03/15/88

From: N. Roos

(MOS Observer)

Shift: ☒ Day
☐ Night

A. Plant evolutions observed

- ° Safeguards logic test (partial)
- ° Fuel receipt (partial)

B. Immediate safety problems

None

C. Questionable work practices

None

D. Area(s) for improvement

None

E. Professionalism, Summary of Shift, Comments

Observed turnover. No comments.

F. Recommendations

None

Completed By: N. Roos

MOS Observer

Date: 03/15/88

Reviewed By: *[Signature]*

Operations Superintendent - Nuclear

Date: 3/15/88

Management
Review By:

[Signature] 13/16/88 *[Signature]* 13/16/88 *[Signature]* 3/16/88
PM/N Date SVP Date VP Date

03/15/88

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To: Operations Superintendent - Nuclear

Date: 03/15-16/88

From: Andrew P. Drake
(MOS Observer)Shift: ☐ Day
☒ Night

A. Plant evolutions observed

- Unit 3 at 95% and Unit 4 at 100%
- Diagnostics of 3D Moisture Separator Reheater noise
- Diagnostics of Unit 3 Reactor Coolant Pump C lower guide bearing temperature increase
- Reviewed training briefs
- Reviewed training report summaries
- Observed operator trainees perform procedures for plant shutdown
- Observed shutdown of Unit 3 from 95% (700 MWE) to 300 MWE
- Observed peak-shift briefing
- Observed peak-shift/mid shift turnover
- Observed mid-shift turnover
- Toured following areas:
 - Unit 3 and 4 Component Cooling Water Pump/Heat Exchanger areas
 - Unit 3 and 4 Charging Pump areas
 - Unit 4 Pipe and Valve Room
 - Unit 3 Boric Acid Storage Tank area

B. Immediate safety problems

None

C. Questionable work practices

None

D. Area(s) for improvement

None

E. Professionalism, Summary of Shift, Comments

1. Peak-shift briefing, mid-shift briefing and shift turnover were completed quickly, efficiently and in a highly professional manner.
2. Moisture separator 3D noise problem was detected at about 6PM by Turbine Operator, who promptly notified the PSN. The APSN and PSN requested additional assistance both on and off site to determine the cause. When it was evident that a shutdown of Unit 3 was required, notifications were promptly made, the crew was briefed, and the system dispatcher notified. All actions were performed in a professional manner and in accordance with procedures.
3. At approximately 0010 hours the mid-shift crew detected increasing temperature on Reactor Coolant Pump C lower guide bearing. The temperature increase was fairly rapid. The Reactor Coolant Pump Off-Normal Procedure was quickly referenced and the limiting operating conditions determined. All actions were performed in a professional manner and in accordance with procedures.
4. Operator trainees were used effectively to perform shutdown procedures during Unit 3 shutdown. Questions were answered promptly by license personnel.

F. Recommendations

None

Completed By: Andrew P. Drake
MOS ObserverDate: 03/15-16/88Reviewed By: *[Signature]*
Operations Superintendent- NuclearDate: 3/16/88Management
Review By:

<u><i>[Signature]</i></u>	<u>15/15/88</u>	<u><i>[Signature]</i></u>	<u>13/14/88</u>	<u><i>[Signature]</i></u>	<u>3,16/88</u>
PM/N	Date	SVP	Date	VP	Date
					03/15-16/88

To: Operations Superintendent - Nuclear

Date: 03/15-16/88

From: M. O. Kulp

(MOS Observer)

Shift: ☐ Day
☒ Night

A. Plant evolutions observed

- Steady state power operation Unit 4
- Start of shutdown, power reduction Unit 3
- Investigation of Moisture Separator Reheater 3D vibration and noise
- Walkdown of scaffolding erected under Auxiliary Feedwater Control Valves Unit 4
- Reviewed training brief No. 220 on PC/M 88-016, Reactor Vessel Head Area Leakage Detection System
- Toured the Auxiliary Building and surrounding areas. Witnessed 4B Component Cooling Water Heat Exchanger testing

B. Immediate safety problems

None

C. Questionable work practices

None

D. Area(s) for improvement

Tag for temporary scaffolding under the Unit 4 Auxiliary Feedwater Control Valves was found lying on the scaffolding platform unattached. Recommend attaching tag to scaffolding near the ground level in a conspicuous location as stated in O-ADM-012 so that it is easy for personnel to obtain information on the tag.

E. Professionalism, Summary of Shift, Comments

Investigation of Moisture Separator Reheater vibration problem was completed in an orderly manner. Individuals with expertise in the equipment were called in to aid in determination of the necessity for the Unit 3 shutdown. Engineering (JPE) personnel were notified that it would be necessary for their support of this investigation.

F. Recommendations

None

Completed By: M. O. Kulp
MOS Observer

Date: 03/15-16/88

Reviewed By: [Signature]
Operations Superintendent- Nuclear

Date: 3/16/88

Management
Review By:

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PM-N Date SVP Date VP Date
03/15-16/88

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03/16/88

To: Operations Superintendent - Nuclear

Date: 03/16-17/88

From: Andrew P. Drake
(MOS Observer)Shift: ☐ Day
☒ Night

A. Plant evolutions observed

- Unit 3 Mode 3 operation
- Unit 4 100% power
- Observed mid/peak shift turnover
- Observed peak shift briefing
- Observed the following operating surveillance procedures being performed:
 1. 3-OSP-067.1 Process Radiation Monitor Operability Test on Channel R-3-18
 2. 3-OSP-041.1 and 4-OSP-041.1 Reactor Coolant System Leak Rate Calculation
 3. 4-OSP-059.5 Power Range Daily shift check
- Observed NPO quiz operator trainee on emergency operating procedures
- Observed PSN conduct plant walkthrough with operator trainee
- Toured Turbine Building, Water Treatment area, and Unit 4 Feedwater Platform

B. Immediate safety problems

None

C. Questionable work practices

None

D. Area(s) for improvement

None

E. Professionalism, Summary of Shift, Comments

1. Mid-Peak shift turnover and peak shift briefing were conducted in a professional manner. The peak shift briefing is structured very well and runs very smoothly. The best I have seen so far.
2. Operating surveillance procedures were completed in a timely, professional manner, in accordance with the procedures. Operator trainees were used when available as part of their training program.
3. Operator quizzes and plant walkthroughs were conducted in a professional manner. The trainee's questions were answered quickly and counseling was given in the areas where weaknesses were found.
4. All shift operations observed were conducted in a professional and safe manner.

F. Recommendations

None

Completed By: Andrew P. Drake
MOS ObserverDate: 03/16-17/88Reviewed By: [Signature]
Operations Superintendent- NuclearDate: 3/17/88Management
Review By:6/23 13/7/88 6/23 13/7/88 1
PM-N Date SVP Date VP Date

03/16-17/88

To: Operations Superintendent - Nuclear

Date: 03/16-17/88

From: J. C. Balaguero
(MOS Observer)Shift: ☐ Day
☒ Night

A. Plant evolutions observed

- Normal plant operations
Unit 3 in Mode 3
Unit 4 in Mode 1
- Shift meetings
- Troubleshooting evolution of leaking Auxiliary Feedwater Nitrogen Backup Train 1 valves between Operations and Instrumentation and Control personnel
- Training walkdown given by the PSN (midshift) to Reactor Operator candidates
- Reactor Coolant System Control Temperature Element failure
- Operating procedure 4004.4 Containment Isolation Racks QR-50 and QR-51 Periodic Test
- Plant tour: Auxiliary Building, Intake Cooling Water area and Water Treatment Plant

B. Immediate safety problems

None observed

C. Questionable work practices

None

D. Area(s) for improvement

None

E. Professionalism, Summary of Shift, Comments

1. The shift meeting on the mid shift crew was very professional and informative. The Electrical Department representative seemed to mumble and the PSN made him repeat his statements to ensure good understanding by all.
2. Peak shift TO and I&C personnel worked very well together on the Train 1 Auxiliary Feedwater Nitrogen Backup troubleshooting.
3. Midnight shift PSN gave what it seemed to me a very thorough walkthrough to a trainee.
4. The mid shift third licensed RO demonstrated to the RO trainee how to do OP 4004.4 in a very professional manner.
5. Chemistry Technician (S. Dunn) explained to me how he was doing RCS dose equivalent concentration calculations (DEQ) as well as other lab functions in a very knowledgeable and professional manner.
6. The midnight shift handled a routine RTD failure (TE-431C) on Unit 3 very well as a team. The APSN, NWE, CRO, third CRO and trainee worked together to compliment each other and solve the problem by identifying the problem taking appropriate immediate corrective actions and writing a PWO.

F. Recommendations

None

Completed By: J. A. Balaguero
MOS ObserverDate: 03/16-17/88Reviewed By: *[Signature]*
Operations Superintendent- NuclearDate: 3/17/88Management
Review By:*CJB* 13/17/88 1
PM/N Date SVP Date VP Date

03/16-17/88

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0-ADM-019	Management on Shift (MOS) MOS DAILY REPORT	Page 1
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To: Operations Superintendent - Nuclear

Date: 03/17/88

From: N. Roos
(MOS Observer)

Shift: ☒ Day
☐ Night

A. Plant evolutions observed

- ° Routine Power Operations - Unit 4
- ° Shift turnover
- ° Normal log keeping activities

B. Immediate safety problems

None

C. Questionable work practices

None

D. Area(s) for improvement

Interim Technical Specifications require a determination to ensure Reactor shutdown margin is within specified limits every 24 hours while in Modes 3 or 4. No formal procedure steps could be located which ensures this determination is completed as required. Operations Supervisor notified.

A determination was made for Unit 3 (which is in Mode 3) to ensure proper shutdown margin existed.

E. Professionalism, Summary of Shift, Comments

None

F. Recommendations

Item in improvement area should be addressed procedurally.

Completed By: N. Roos
MOS Observer

Date: 03/17/88

Reviewed By: [Signature]
Operations Superintendent - Nuclear

Date: 3/18/88

Management
Review By:

6/15 13/5/88 JH 3/18/88
PM/N Date SVR Date VP Date

03/17/88

To: Operations Superintendent - Nuclear

Date: 03/17-18/88

From: Andrew P. Drake
(MOS Observer)Shift: ☐ Day
☒ Night

A. Plant evolutions observed

- Unit 3 Mode 3
- Unit 4 Mode 1, 100% power
- Peak shift briefing
- Peak/mid shift turnover
- Mid shift briefing
- Mid shift PSN/trainee walkthrough
- Reviewed training brief #225
- Site Evacuation Horn Test

B. Immediate safety problems

None

C. Questionable work practices

None

D. Area(s) for improvement

1. Scaffold control: Scaffold in Unit 4 Blowdown System, steam generator wet layup area was erected with a horizontal pole extending under Train 2 Aux. Feedwater FCV-4-2833 valve body and a vertical pole within 2 inches of Flow Element Root Isolation Valve AFFI-4-0005. (This item was discussed with Frank Cone).
Two scaffolds have been erected in the Unit 3 Blowdown System, Steam Generator Wet Layup area. Neither has a scaffold tag on them or can be found in the scaffold log in the PSN office. This is in violation of procedures O-ADM-012 and Construction Procedure ASP-29. Items 1 & 2 seem to reflect a lack of scaffold control per procedures O-ADM-012 and ASP-29. Although I have talked to Frank Cone about these, I believe they warrant inclusion in this report so corrective steps can be taken.
2. Peak shift RO candidate reported a problem with the sample pump on the Reactor Vessel Head Leak Detection System. The peak shift operators remembered a training brief (#220) on the system but it contained little information on the system operation. In fact the brief failed to mention a temporary procedure (TP-425) existed for the system operation. He said he had no formal training on the system. The ASPN took a copy of the procedure and went with the Turbine Operator and RO Candidate and conducted procedure walk through with both.

I spoke to a few operators on the mid shift about the same system and got the same reply. While the training brief is a good mechanism for distribution of information to the operators, it is not the best way to train on new equipment or systems. New equipment/systems should be included in the requalification cycle of the operators training program. If the system also requires an addition to the Turbine Operators log, then they should receive the system training associated with that log entry.

3. While reviewing training brief #225 on the new lineup for the nitrogen bottles on the Aux. Feedwater System, an operator expressed some concerns that a) only one Train has been changed so far, however the brief talks about all being changed and b) the figure showing the valve alignment conflicts with the lineup stated in OP-0204-2, appendices H and I.
4. I questioned a couple of the operators on the level of information found in general in the training briefs. They expressed the need for more formalized training on new systems/components since the briefs did not contain enough background, basis or drawings to answer all their questions.

E. Profesisonalism, Summary of Shift, Comments

All evolutions observed were conducted in a safe, professional manner.

F. Recommendations

1. Stress the need to both FP&L and Construction personnel to follow/apply O-ADM-012 and Construction Procedure ASP-29.
2. Alert local operators (turbine operator, etc.) to check for scaffold tags to verify adherence to O-ADM-012 or ASP-29 on their rounds.
3. Ensure training briefs contain all information associated with system/component/topic it covers. Avoid using them to replace formal training on new systems or components.

Completed By: Andrew P. Drake
MOS Observer

Date: 03/17-18/88

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

Date: 3/15/88

Management
Review By:

CPH 13/14/88 *MD* 13/18/88 *VP* *1*
PM-N Date SVR Date VP Date

FINAL PAGE

03/17-18/88

To: Operations Superintendent - Nuclear

Date: 03/17-18/88

From: J. C. Balaguero
(MOS Observer)Shift: ☐ Day
☒ Night

A. Plant evolutions observed

- Unit 3 Mode 3
- Unit 4 Mode 1
- Walkdown: the Auxiliary Building, Intake Structure, Aux. Feedwater areas
- Reviewed 3-OP-044.1 "CCW Heat Exchanger Amertap System"
- Walkdown: Emergency Diesels, 3B/4B Motor Control Centers, Unit 3/4 Emergency Escape Hatches
- Found loose hanger on CCW line to 3-795D (CCW Outlet Isolation Valve to 'B' Containment Spray Pump). Had STA write PWO to fix the hanger.

B. Immediate safety problems

None observed

C. Questionable work practices

None observed

D. Area(s) for improvement

1. Labeling of the Emergency Escape Hatch doors is not easy to read (faded, missing or broken).

E. Professionalism, Summary of Shift, Comments

1. Observed prompt investigation into a reported Emergency Escape Hatch security problem by the peak shift APSN. There was some miscommunication and the problem was not clearly defined over the phone, but the APSN persisted until the problems were identified correctly by the Security Supervisor to the APSN. (Excellent job by both the Security Supervisor for finding the problem and the APSN for taking prompt corrective action).
2. Shift meetings continue to be first class. Good rapport exists between the several maintenance disciplines and the operators.
3. Maintenance personnel using the Hydrolaser machine encountered a problem with it and immediately proceeded to stop and correct it. The machine had a number of leaks which, if corrected could improve its performance using two discharge nozzles (wands). Presently they can only use one nozzle at a time to get 10,000 psi of pressure. They were getting 5,000 psi with 2 nozzles. The machine is designed to get 9,000-12,000 psi with 2 nozzles. (Good job by the Maintenance personnel involved).
4. An apparent misunderstanding existed when the Maintenance forces cleaning the CCW HX had to go to a mandatory QIP team meeting. I brought this up with the PSN who immediately corrected the situation by reminding their supervisor that the CCW HX cleaning is an LCO item. (Good job by the PSN to take immediate corrective action).

F. Recommendations

1. (Item D.1) Relabel both unit's Emergency Escape Hatch Operating Valves using unit designated color coding etc. Might also consider placing a copy of the hatch's operating procedure nearby so that the operators can readily use it in an emergency.
2. (Item E.4) Maintenance personnel should schedule QIP meetings around LCO's, especially ones where all of the 24 hours are needed to do a good cleaning job of the CCW HX's.
3. 3B Motor Control Center Room needs new fluorescent lights in front of the Reactor Trip Breakers. Also, two boxes of Kodak Linagraph paper need to be removed from the room.
4. Relamping is needed in the Pipe and Valve Rooms (both units) and the B Emergency Diesel Generator in front of the Electrical Control Panel.

Note: (Items 3 and 4 I will bring to the attention of the Electrical Supervisor and thus they don't need to be tracked).

Completed By: J. C. Balaguero
MOS Observer

Date: 03/17-18/88

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

Date: 3/18/88

Management
Review By:

C/B 13/5/88 *[Signature]* 3/19/88
PM-N Date SVR Date VP Date

03/17-18/88

WEL

0-ADM-019

Management on Shift (MOS)
MOS DAILY REPORT

Page

1

To: Operations Superintendent - Nuclear

Date: 03/18/88

From: N. Roos

(MOS Observer)

Shift: ☒ Day
☐ Night

A. Plant evolutions observed

- ° Routine power operation - Unit 4
- ° Pressurizer Pressure Periodic Test (partial)
- ° Shift turnover/briefings

B. Immediate safety problems

None

C. Questionable work practices

None

D. Area(s) for improvement

None

E. Professionalism, Summary of Shift, Comments

Observed recovery from Auxilliary Feedwater Actuation due to low level in one Steam Generator (3B). Action by operators satisfactory. Additional monitoring of Steam Generator level control directed by on-shift supervision.

F. Recommendations

None

Completed By: N. Roos
MOS Observer

Date: 03/18/88

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

Date: 3/21/88

Management
Review By:

C/B 3/21/88
PM-N Date SVP Date VP Date

03/18/88

To: Operations Superintendent - Nuclear

Date: 03/18-19/88

From: Andrew P. Drake
(MOS Observer)Shift: ☐ Day
☒ Night

A. Plant evolutions observed

- Unit 3 Mode 3
- Unit 1 Mode 1, 100% power
- Mid'shift briefings
- Mid/peak shift turnover
- Peak shift briefing
- Peak shift PSN/trainee walk through

B. Immediate safety problems

None

C. Questionable work practices

None

D. Area(s) for improvement

1. Fire Detection Panel C39A has numerous spurious trouble alarms. I counted 53 in a 30 minute time period. The problem seems to be traced partially to dirty lenses on the Ultraviolet Light Detectors. A PWO was written a while back but was removed. A new PWO was written. This condition not only is an annoyance to the operators but can lead to complacency with the system.
2. Unit 4 Blowdown Isolation Valves CV-4-6275A/B/C have a tag on them stating they "fail as is on loss of instrument air". These valves receive a "Phase A" Isolation signal and actually "fail close" on loss of instrument air. Unit 3 Blowdown Isolation Valves CV-3-6275A/B/C do not have any tags which state how they fail nor do they have a caution tag stating they are isolation valves. I verified with the operators that these valves actually fail close and the tags need to be corrected.

E. Professionalism, Summary of Shift, Comments

1. All observed shift actions were performed in a professional and safe manner.
2. Mid shift Unit 4 RCO was reviewing 0-ONOP-016.8, Response to a Fire/Smoke Detection Alarm, and 3-ONOP-003.7, Loss of Vital Instrument Panel 3P07, when he noted several problems. He requested the proper plant personnel to come to the Control Room and pointed out the errors and suggested possible solutions. He received positive feedback that these would be promptly corrected.
3. Mid shift Unit 4 RCO was notified by the PSN that the Turbine Lube Oil Recorder showed an increasing temperature. The RCO immediately requested the Turbine Operator to investigate and then looked for additional lube oil temperature indications. The Circulating Water Recorder shows the outlet temperature of the Lube Oil Cooler which was normal, and he also noted that the #9 Bearing on the Turbine had normal indications, which would not be true if he had high lube oil temperatures. The Turbine Operator reported normal temperatures locally. The RCO then opened the recorder and found it had a broken guide string. He then requested the Turbine Operator to monitor the lube oil temperatures more closely and wrote a PWO. The trainee assigned to him received a valuable lesson on using alternate indications to determine whether he had equipment or indication failure.

F. Recommendations

1. Determine the cause of the spurious alarms associated with Fire Detection Panel C39A and place the Ultraviolet Light Detectors on a regularly scheduled preventative maintenance cleaning program.
2. Replace incorrect tags of Unit 4 Blowdown Isolation Valves CV-4-6275A/B/C and install caution tags on Unit 3 valves for "Phase A" isolation. Notify responsible person to check for accuracy of all valve tags, particularly those which provide safety-related functions. It might be a good idea to have a licensed operator verify tag accuracy before they are hung.

Completed By: Andrew P. Drake
MOS ObserverDate: 3/18-19/88Reviewed By: X.W. T. L. L. L.
Operations Superintendent- NuclearDate: 3/21/88Management
Review By:C/N 13/21/88 1 1
PM-N Date SVP Date VP Date

02/10 10/00

To: Operations Superintendent - Nuclear

Date: 03/18-19/88

From: J. C. Balaguero
(MOS Observer)Shift: ☐ Day
☒ Night

A. Plant evolutions observed

- Unit 3 Mode 3
- Unit 4 Mode 1, 100%
- Normal plant operations
- Observed a training walk down given by the peak shift PSN to a trainee
- Observed the return to service of the 4B Component Cooling Water (CCW) Heat Exchanger
- Shift meetings

B. Immediate safety problems

None observed

C. Questionable work practices

None

D. Area(s) for improvement

1. Found a lot of stuff/garbage being stored in the Unit 4 Containment Supply Fan Room.
2. Unit 3 Steam Generator Wet Layup Chemical Addition Tank was left uncovered with the potential of getting contaminants into the system.

E. Professionalism, Summary of Shift, Comments

- Good coordination existed between Mechanical Maintenance, Electrical Maintenance and Operations in returning the 4B CCW Heat Exchanger to service. The entire job was very well coordinated and executed.
- Unit 4 Reactor Operator reviewed several procedures at random and met with the Procedure Upgrade Program individual on shift to discuss ways to improve the procedures and submit procedure changes. This is one good way to use the operator's knowledge and expertise when they are not too busy.

F. Recommendations

1. (Item D-1) Remove all unnecessary/unrelated/unneeded trash/equipment out of the Unit 4 Containment Supply Fan Room.
2. Ensure that the Steam Generator Wet Layup Chemical Addition Tank is properly covered when working on the system to avoid contamination. (Item D-2).

Completed By: I. C. Balaguero
MOS ObserverDate: 03/18-19/88Reviewed By: *[Signature]*
Operations Superintendent- NuclearDate: 3/21/88Management
Review By:*[Signature]* 17/1/88 1 1
PM-N Date SVP Date VP Date

03/18-19/88

0-ADM-019

Management on Shift (MOS)
MOS DAILY REPORT

Page

1

To: Operations Superintendent - Nuclear

Date: 03/19/88

From: N. Roos

(MOS Observer)

Shift: ☒ Day
☐ Night

A. Plant evolutions observed

- Routine Power Operation - Unit 4
- Normal log keeping activities
- Repair work on Qualified Safety Parameter Display System (partial)
- Shift turnover
- Shift briefing

B. Immediate safety problems

None

C. Questionable work practices

None

D. Area(s) for improvement

None

E. Professionalism, Summary of Shift, Comments

None

F. Recommendations

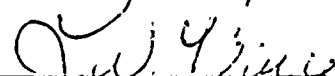
None

Completed By: N. Roos

MOS Observer

Date: 03/19/88

Reviewed By:



Operations Superintendent - Nuclear

Date: 3/21/88

Management
Review By:GJJ
PM/N13/24/88
Date

SVP

Date

VP

Date
03/19/88

To: Operations Superintendent - Nuclear

Date: 03/19-20/88

From: Andrew P. Drake
(MOS Observer)Shift: ☐ Day
☒ Night

A. Plant evolutions observed

- Unit 3 Mode 3
- Unit 4 Mode 1, 100% power
- Normal logs
- Trainee walk through
- Tour: Turbine Building
Emergency Diesel Building

B. Immediate safety problems

None observed

C. Questionable work practices

None observed

D. Area(s) for improvement

None

E. Professionalism, Summary of Shift, Comments

All observed operations were conducted in a professional manner.

F. Recommendations

None

Completed By: Andrew P. Drake
MOS Observer

Date: 03/19-20/88

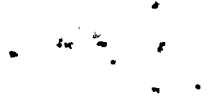
Reviewed By: 
Operations Superintendent - Nuclear

Date: 3/21/88

Management
Review By:

3/19 1:15/88 PM-N Date SVP Date VP Date

03/19-20/88



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To: Operations Superintendent - Nuclear

Date: 03/19-20/88

From: J. C. Balaguero
(MOS Observer)Shift: ☐ Day
☒ Night

A. Plant evolutions observed

- Unit 3 Mode 3
- Unit 4 Mode 1, 100% power
- Shift meetings
- Normal plant operations
- I & C calibration of Unit 3 accumulator levels
- I & C work on Rod Position Indication System (Unit 3)
- Training walk downs

B. Immediate safety problems

None observed

C. Questionable work practices

None observed

D. Area(s) for improvement

None

E. Professionalism, Summary of Shift, Comments

None

F. Recommendations

None

Completed By: J. C. Balaguero
MOS Observer

Date: 03/19-20/88

Reviewed By: J. C. Balaguero
Operations Superintendent - Nuclear

Date: 3/21/88

Management
Review By:

6/15 13/1/88 / /
PM/N Date SVP Date VP Date
03/19-20/88

0-ADM-019

Management on Shift (MOS)
MOS DAILY REPORT

Page

1

To: Operations Superintendent - Nuclear

Date: 03/20/88

From: N. Roos
(MOS Observer)Shift: ☒ Day
☐ Night

A. Plant evolutions observed

- Routine Power Operation Unit 4
- Shift turnover/briefing
- Troubleshooting Rod Position Indication

B. Immediate safety problems

None

C. Questionable work practices

None

D. Area(s) for improvement

None

E. Professionalism, Summary of Shift, Comments

Listened to page for past 4 days. Only very few questionable uses. Overall use is considered satisfactory.

F. Recommendations

None

Completed By: N. Roos
MOS Observer

Date: 03/20/88

Reviewed By: [Signature]
Operations Superintendent - Nuclear

Date: 3/21/88

Management
Review By:CJS 13/21/88 1 1
PM-N Date SVP Date VP Date

03/20/88

0-ADM-019

Management on Shift (MOS)
MOS DAILY REPORT

Page

1

To: Operations Superintendent - Nuclear

Date: 03/20-21/88

From: Andrew P. Drake
(MOS Observer)Shift: ☐ Day
☒ Night**A. Plant evolutions observed**

- Unit 3 Mode 3
- Unit 4 Mode 1
- 3-OSP-041.1, Reactor Coolant System Leak Rate Calculation
- 3-OSP-059.2/4-OSP-059.2, Intermediate Range Nuclear Instrumentation Analog Channel Operational Test
- 4-OSP-067.1, Process Radiation Monitoring System Operability Test on R-20
- 4-OSP-064, Safety Injection Accumulator (Nitrogen Addition)

B. Immediate safety problems

None observed

C. Questionable work practices

None observed

D. Area(s) for improvement

None

E. Professionalism, Summary of Shift, Comments

All observed operations were performed in a safe, professional manner and in accordance with procedures.

F. Recommendations

None

Completed By: Andrew P. Drake
MOS Observer

Date: 03/20-21/88

Reviewed By: *A. P. Drake*
Operations Superintendent - NuclearDate: 3/21/88Management
Review By:*C. J. S.* 13/21/88 1
PM/N Date SVP Date VP Date

03/20-21/88

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0-ADM-019

Management on Shift (MOS)
MOS DAILY REPORT

Page

1

To: Operations Superintendent - Nuclear

Date: 03/20-21/88

From: J. C. Balaguero

(MOS Observer)

Shift: ☐ Day
☒ Night

A. Plant evolutions observed

- Unit 3 Mode 3
- Unit 4 Mode 1, 100% power
- Normal plant operations
- Shift meeting (both pre and post)
- Training walk downs
- I & C working on Rod Position Indication E-7 on Unit 3

B. Immediate safety problems

None

C. Questionable work practices

None

D. Area(s) for improvement

- Control Room Inaccessibility Procedure (O-ONOP-103) makes reference to the Alternate Shutdown Panel which is under startup control and has not been turned over to the plant yet. This is confusing to the operators since they do not know what equipment in the Alternate Shutdown Panel works, etc. I know that training has been given to the operators, but I am not sure if it addressed the current O-ONOP-103 procedure.

E. Professionalism, Summary of Shift, Comments

- Good training walk downs were being administered to Group XI trainees.
- The peak shift APSN went on vacation and one operator was sick, but both of the relieving personnel performed as part of the team. This shows not only good teamwork within a shift but also across shifts.

F. Recommendations

- Update O-ONOP-103 to reflect actual available equipment or make the reference to equipment available to the operators. (Item D-1)

Completed By: J. C. Balaguero
MOS Observer

Date: 03/20-21/88

Reviewed By: [Signature]
Operations Superintendent - Nuclear

Date: 3/21/88

Management
Review By:

[Signature] 13/21/88
PM/N Date SVP Date VP Date

03/20-21/88

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