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FACIL: 50-250 Turkey Point Plant, Unit 3, Florida Power and Light C 05000250
50-251 Turkey Point Plant, Unit 4, Florida Power and Light C 05000251

AUTH. NAME AUTHOR AFFILIATION
CONWAY, W. F. Florida Power & Light Co.
RECIP. NAME RECIPIENT AFFILIATION
GRACE, J. N. Region 2, Ofc of the Director

See fpd

SUBJECT: Forwards summary of mgt-on-shift (MOS) repts & plant supervisor-nuclear MOS repts.

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TITLE: Turkey Point Management Onshift Program

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P. O. BOX 14000, JUNO BEACH, FL 33408-0420

FPL

APRIL 27 1988

L-88-195

88 APR 29 A10:51

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

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

Dear Dr. Grace:

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

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

Very truly yours,

D A Sager

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

WFC/SDF/gp

Attachment

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

D036

MANAGEMENT ON SHIFT (MOS)

WEEK STARTING: 04/18/88

WEEKLY SUMMARY REPORT

Four MOS Observers were on shift: Peter L. Walker, Westinghouse Electric Corporation (04/18-24/88, days), Paul Geddes, Westinghouse Electric Corporation (04/18-25/88, evenings), Vito A. Kaminskas, Turkey Point Nuclear Plant Reactor Engineering Supervisor (04/18-20/88, evenings) and Larry L. Thomas, Turkey Point Nuclear Plant Outage Manager (04/20-25/88, evenings).

Both Units 3 and 4 operated at 100% power throughout the period.

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

Two questionable work practices concerning an improper valve lineup when sampling the Volume Control Tank and contractor performance while cleaning the Component Cooling Water Heat Exchangers were identified during the reporting period.

During the reporting period, the regular MOS Observers noted six recommendations or areas for improvements. Four of these comments and suggestions were associated with improving the Plant Work Order system. The remaining two suggestions concerned using experienced supervision for the contractors cleaning the Component Cooling Water Heat Exchangers and improvements in the computer program for tracking operator overtime.

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

The PSN's identified four questionable work practices during the reporting period. These were associated with canceling Plant Work Orders during field walkdown without consulting the originator, monitoring Volume Control Tank sampling system when in-service, repairing of known nuisance fire alarms from the intake area and reporting by contractor repairmen of project status to the Control Room.

ATTACHMENT: MOS DAILY REPORTS

8805100271

MANAGEMENT ON SHIFT (MOS)

WEEK STARTING: 04/18/88

WEEKLY SUMMARY REPORT

Additionally, the PSN's identified five areas for improvement or recommendations. These comments included:

Three comments concerning procedural matters associated with identifying a backup when the Containment High Range Radiation Monitors are out-of-service, uniform criteria for Diesel Generator testing time limits and notification of changes in security access procedures.

Suggestions were made to develop a regular preventative maintenance cycle to clean fire detection probes in the intake area and to establish higher priorities for work on out-of-service Control Room annunciators.

ATTACHMENT: MOS DAILY REPORTS

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

To: Operations Superintendent - Nuclear Date: 04/18/88

From: P. L. Walker (MOS Observer) Shift: ☒ Day ☐ Night

A. **Plant evolutions observed**

- Both units, 100% steady state operation

B. **Immediate safety problems**

None

C. **Questionable work practices**

None

D. **Area(s) for improvement**

None

E. **Professionalism, Summary of Shift, Comments**

Good shift

F. **Recommendations**

None

Completed By: P. L. Walker *MOS Observer* Date: 04/18/88

Reviewed By: Richard L. Wenzel for *Operations Superintendent-Nuclear* Date: 4-19-88

Management Review By: CPB 4/19/88 *PM-N Date* / *SVP Date* / *VP Date* 4/19/88

04/18/88

*MOS.1 01.07/88

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

To: Operations Superintendent - Nuclear

Date: 04/18-19/88

From: Paul Geddes
(MOS Observer)

Shift: ☐ Day ☒ Night

A. Plant evolutions observed

- Both units, 100% power
- Shift turnovers

B. Immediate safety problems

None

C. Questionable work practices

None

D. Area(s) for improvement

None observed

E. Professionalism, Summary of Shift, Comments

No comments

F. Recommendations

None

Completed By: Paul Geddes
MOS Observer

Date: 04/18-19/88

Reviewed By: [signature] FOR
Operations Superintendent- Nuclear

Date: 4-19-88

Management Review By:

PMN	Date	SVP	Date	VP	Date
[signature]	4/19/88		/	[signature]	4/19/88

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

To: Operations Superintendent - Nuclear Date: 04/18-19/88

From: Vito A. Kaminskas (MOS Observer) Shift: ☐ Day ☒ Night

A. Plant evolutions observed

- Units 3 and 4, 100% power operations
- Component Cooling Water Heat Exchanger temperature curves review
- RCS leakage calculations
- Toured R.C.A.
- Reviewed Enercon report

B. Immediate safety problems

None

C. Questionable work practices

None

D. Area(s) for improvement

Review new overtime program to ensure it meets the needs of the Operations Department.

E. Professionalism, Summary of Shift, Comments

Routine shift operations - no major problems

F. Recommendations

None

Completed By: Vito A. Kaminskas, *MOS Observer* Date: 04/18-19/88

Reviewed By: Richard J. Wenke for, *Operations Superintendent- Nuclear* Date: 4-19-88

Management Review By: PM-N 4/19/88 Date; SVP / Date; VP 4/19/88 Date

04/18-19/88

*MOS.1 01/07/88

Date Started 04/18/88	PSN MOS	Date Finished 04/18/88

Initiating PSN Schimkus PSN _____ Completed PSN Schimkus

Initiating APSN Murphy APSN _____ Completed APSN Murphy

A. Questionable Work Practices/Actions Taken/Recommendations

None

B. Areas for Improvement/Recommendations/Actions Taken

None

C. Good Practices/Professionalism Observed

None

Reviewed By [signature] Date 4-19-88 Actions Completed _____ Date _____

Date Started 04/18/88	PSN MOS	Date Finished 04/18/88

Initiating PSN Harpel PSN _____ Completed PSN Harpel

Initiating APSN Haley APSN _____ Completed APSN Haley

A. Questionable Work Practices/Actions Taken/Recommendations

None

B. Areas for Improvement/Recommendations/Actions Taken

None

C. Good Practices/Professionalism Observed

None

Reviewed By R L Wende Date 4-19-88 Actions Completed _____ Date _____

Date Started 04/18/88	PSN MOS	Date Finished 04/19/88

Initiating PSN Anderson PSN _____ Completed PSN _____

Initiating APSN _____ APSN _____ Completed APSN _____

A. Questionable Work Practices/Actions Taken/Recommendations

Recently while reviewing PWO's for approval, I have noticed quite a few requests for cancellation due to "no problem existing as per field walkdown". When checked there has been many of these equipment problems found to still exist. Several reasons may exist for the problem not showing up on a walkdown. Equipment may be cycling and not show this problem except in certain conditions, or may have been removed from service, or may be an intermitent problem, or the person doing the walkdown may not understand the problem.

Recommend: When a PWO is considered for cancellation, the originator should be called to identify and explain the problem. This may be time consuming but not as much as resubmitting a PWO over again. Examples are attached. This equipment is still out-of-service.

B. Areas for Improvement/Recommendations/Actions Taken

None

C. Good Practices/Professionalism Observed

None

Reviewed By [signature] Date 4-19-88 Actions Completed _____ Date _____

```
GENERATION EQUIPMENT MANAGEMENT SYSTEM        04/19/88  04.53.10
NUCLEAR WORK REQUEST ORIGINATION
WORK REQUEST NUMBER: WA880672017      ORIGINATION DATE/TIME:   30788 / 2017
PLANT: PTN UNIT: 03  SYSTEM: 094 ORIG. NAME/DEPT WILSON,M              / 4
LEAD MAINT DEPT: 2 REQ. DPT: C6 UNIT COND. REQUIRED: 8
COMPONENT TAG#:                          ASSOC COMP:
ID. NAME: 0CFDS CHB FG 331 G-6
PLANT LOCATION: CONTROL ROOM
DEFECT/REQUEST: CORE EXIT THERMOCOUPLE DOES NOT WORK. G-6
                :
     JS/REASON: TECH SPEC RELATED
                :                         DEFICIENCY TAG#: C308021
IS WORK TROUBLE & BREAKDOWN (Y/N)?: Y     LCO REQUIRED (Y/N)?: N
REWORK JOB: N  IF YES, WHY?:
FAILURE DATE:  30788  TIME:    0  ==NPRDS ITEM ==          : *NO
 STATUS AT TIME OF FAILURE: A     FAILURE SYMPTOM           : C
FAILURE DETECTION        : J  DEFICIENCY TAG LOCATION: CONTROL ROOM

SUPERVISOR OR NPS APPROVAL: T D REESE          PASSWORD:

==========================================================================
              DEPRESS THE 'ENTER' KEY TO RETURN.
==========================================================================
```

GENERATION EQUIPMENT MANAGEMENT SYSTEM 04/19/88 04.53.10
WR/PWO CANCELLATION

PLANT: PTN UNIT : 03 DEPT: 4 SCHED DATE: 0

TYPE: C6 WORK REQ#: W-88-07201 FR-PWO#: 0 0

REASON FOR CANCELLATION :
PROBLEM EXISTS AS PER FIELD WALKDOWN
CANCELLATION REQUESTED BY : ED SAUNELL

CANCELLATION AUTHORIZED BY: T D REESE

==========
YOU ARE ABOUT TO CANCEL THIS WORK REQUEST & AND PWO
ARE YOU SURE ?
TO CANCEL DEPRESS THE -ENTER- KEY OR ELSE USE THE PF6 KEY TO EXIT
==========

```
W[illegible] 03/88    GENERATION EQUIPMENT MANAGEMENT SYSTEM      04/19/88   09.15.32
                 NUCLEAR WORK REQUEST PLANNING DETAIL          ( 1 OF 6 )
WORK [illegible] NUM: WA8738550515     ORIGINATION DATE/TIME:  122187 /  515
PLANT: [illegible] UNIT: 03 SYSTEM: 096  ORIG. NAME/DEPT: B. ADAMS/KS
[illegible] DEP[illegible] 2 PRO. PRI: CO UNIT COND. REQD: 8
TOMPOLOM: TAG#:                              ASSOC COMP:
[illegible] : DEF 3 ADCC #47
PLANT LOCATION: CONTROL ROOM
[illegible] REQUEST: ADCC #47 ALARMED
                :
      S/REASON: [illegible]NEL NO LONGER EXISTS
                :                                  DEFICIENCY TAG#: C307625
TROUBLE/PROBLEM: /ES   LCO REQUIRED: NO     STATUS:( APPROVED      )
REWORK JOB: N  IF YES, WHY??
FAILURE DATE: 121987 TIME: 2050 STATUS: A SYMPTOM: C  DETECTION: C
  ==NPRDS ITEM == :( NO  )   DEFICIENCY TAG LOCATION: CONTROL ROOM
                                                HOLD DATES :       0 :       0
SUPERVISOR OR NPD APPROVAL: J D WEBB            HOLD STATUS:         :
CANCELED:                                            REASON FOR CANCELLATION:

==-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=
 DEPRESS THE  PF5 KEY  .... TO PAGE FORWARD   PF4 KEY ... TO PAGE BACKWARDS
              PF6 KEY  .... TO RETURN
              ENTER KEY.... TO PROCESS TRANSACTION
```

GENERATION EQUIPMENT MANAGEMENT SYSTEM 04/19/88 04:50:10
NUCLEAR WORK REQUEST ORIGINATION

REQUEST NUMBER: A8T0C50515 ORIGINATION DATE/TIME: 122187 / 515
FOR UNIT: 03 SYSTEM: 096 ORIG. NAME/DEPT B. ADAMS/MS / 1
MAINT DEPT: E 20 PRI: 60 UNIT COND. REQUIRED: S
ASSOC COMP
LOCATION: DGPS ABCC #47
AREA LOCATION: CONTROL ROOM
PROBLEM REQUEST: ABCC #47 ALARMED
:
W/REASON: CHANNEL NO LONGER EXISTS
:
DEFICIENCY TAG#: C80960?
WORK TROUBLE & BREAKDOWN (Y/N)?: Y LCO REQUIRED (Y/N)?: N
WORK COST: N IF YES, WHY?:
FAILURE DATE: 122187 TIME: 2050 ==NPRDS ITEM == : XNO
STATUS AT TIME OF FAILURE: A FAILURE SYMPTOM : C
FAILURE DETECTION : C DEFICIENCY TAG LOCATION: CONTROL ROOM

SUPERVISOR OR NPS APPROVAL: T D REESE PASSWORD:

DEPRESS THE 'ENTER' KEY TO RETURN.

Wkly

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

To: Operations Superintendent - Nuclear Date: 04/19/88

From: P. L. Walker (MOS Observer) Shift: ☒ Day ☐ Night

A. Plant evolutions observed

- Both units, 100% Steady State
- Component Cooling Water Heat Exchanger leak
- 7:20 Operations meeting
- 9:00 PWO reduction meeting
- Gaseous activity release into Auxiliary Building due to improper lineup during Volume Control Tank (VCT) sampling

B. Immediate safety problems

None

C. Questionable work practices

Improper valve lineup during VCT sampling caused gaseous activity release into the Auxiliary Building

D. Area(s) for improvement

Plant work order tracking system:

1. On recent examinations of contents of the PWO computer files, active PWO's either vanish or are cancelled for no given reason. (Example: PWO for Nuclear Instrumentation N41 Meter, Unit 3 - issued September 4).
2. At present, no apparent attention is being given to fidelity of the PWO system; yet it is being used to prioritize and schedule efforts of plant maintenance staff.
3. Very few people in the Control Room know how to use it; fewer still trust it.

E. Profesionalism, Summary of Shift, Comments

No comment

F. Recommendations

None

Completed By: P. L. Walker (MOS Observer) Date: 04/19/88

Reviewed By: D.W. Fiene (Operations Superintendent-Nuclear) Date: 4/20/88

Management Review By: CB 4/20/88 (PM-N, Date) / (SVP, Date) / (VP, Date)

04/19/88

★MOS.1 01.07/88

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

To: Operations Superintendent - Nuclear

Date: 04/19-20/88

From: Paul Geddes
(MOS Observer)

Shift: ☐ Day ☒ Night

A. Plant evolutions observed

- Both units at 100% power
- Shift turnovers
- Plant tour

B. Immediate safety problems

None

C. Questionable work practices

None

D. Area(s) for improvement

None

E. Professionalism, Summary of Shift, Comments

No comments

F. Recommendations

None

Completed By: Paul Geddes
MOS Observer

Date: 04/19-20/88

Reviewed By: [signature]
Operations Superintendent- Nuclear

Date: 4/20/88

Management Review By:

PM-N	Date	SVP	Date	VP	Date
[signature]	4/20/88	/	/	/	04/19-20/88

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

To: Operations Superintendent - Nuclear Date: 04/19-20/88

From: Vito A. Kaminskas (MOS Observer) Shift: ☐ Day ☒ Night

A. Plant evolutions observed

- Unit 3 and Unit 4, 100% power operations
- Toured Feedwater Platform
- Control Room painting
- RCS leak rate calculations
- Group XI trainees onshift

B. Immediate safety problems

None

C. Questionable work practices

None

D. Area(s) for improvement

None

E. Professionalism, Summary of Shift, Comments

Routine operations, no major problems

F. Recommendations

None

Completed By: Vito A. Kaminskas, MOS Observer Date: 04/19-20/88

Reviewed By: [signature], Operations Superintendent- Nuclear Date: 4/20/88

Management Review By: [signature] / 4/20/88 PM-N Date; / SVP Date; / VP Date

04/19-20/88

Date Started 04/19/88	**PSN MOS**	Date Finished 04/19/88

Initiating PSN Schimkus PSN _____ Completed PSN _____

Initiating APSN Murphy APSN _____ Completed APSN _____

A. Questionable Work Practices/Actions Taken/Recommendations

1. At 1310, we received the R-14 Radiation Monitor Alarm. Indication was about 55,000 CPM. Discovered Lab was taking a special Volume Control Tank sample. Two Lab Technicians were contaminated with gas. Health Physics Shift Supervisor reports when problem was discovered no one was found in sampling area and sample was running.

B. Areas for Improvement/Recommendations/Actions Taken

1. Whenever radioactive samples are being drawn, someone should be in the area to monitor for problems. When taking special samples or other samples which may have an impact on Control Room indications, the Control Room should be notified.

   When a sample problem is discovered, ensure that Health Physics and Control Room are notified.

C. Good Practices/Professionalism Observed

None

Reviewed By [signature] Date 4/20/88 Actions Completed _____ Date _____

Date Started 04/19/88	PSN MOS	Date Finished 04/19/88

Initiating PSN Harpel PSN _____ Completed PSN _____

Initiating APSN Singer APSN _____ Completed APSN _____

A. Questionable Work Practices/Actions Taken/Recommendations

None

B. Areas for Improvement/Recommendations/Actions Taken

None

C. Good Practices/Professionalism Observed

None

Reviewed By [illegible] Date 4/20/88 Actions Completed _____ Date _____

Date Started 04/19/88	PSN MOS	Date Finished 04/20/88

Initiating PSN Salkeld PSN _____ Completed PSN _____

Initiating APSN _____ APSN _____ Completed APSN _____

A. Questionable Work practices/Actions Taken/Recommendations

None

B. Areas for Improvement/Recommendations/Actions Taken

None

C. Good Practices/Professionalism Observed

None

Reviewed By [illegible] Date 4/22/88 Actions Completed _____ Date _____

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

To: Operations Superintendent - Nuclear Date: 04/20/88

From: P. L. Walker (MOS Observer) Shift: ☒ Day ☐ Night

A. Plant evolutions observed

- Both units, 100% steady state operation, with weather induced grounding problems
- 7:20 morning meeting
- Shift turnover

B. Immediate safety problems

None

C. Questionable work practices

None

D. Area(s) for improvement

None

E. Professionalism, Summary of Shift, Comments

Good shifts - lightning strikes and problems due to rain-induced grounds were handled well, and a Limiting Condition for Operation due to power unavailability after the ground was isolated had affects on the Auxiliary Feedwater System that were averted due to effective troubleshooting.

F. Recommendations

None

Completed By: P. L. Walker, MOS Observer Date: 04/20/88

Reviewed By: D. W. Hance, Operations Superintendent-Nuclear Date: 4/21/88

Management Review By: PM/N 11/31/88 Date; SVP 4/21/88 Date; VP / Date

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

To: Operations Superintendent - Nuclear Date: 04/20-21/88

From: Paul Geddes (MOS Observer) Shift: ☐ Day ☒ Night

A. Plant evolutions observed

- Both plants, 100% power
- Shift turnover

B. Immediate safety problems

None

C. Questionable work practices

None

D. Area(s) for improvement

None

E. Professionalism, Summary of Shift, Comments

No comments

F. Recommendations

None

Completed By: Paul Geddes, *MOS Observer* Date: 04/20-21/88

Reviewed By: [signature] *Operations Superintendent- Nuclear* Date: 4/21/88

Management Review By: [signature] *PM-N* 4/21/88 *Date* [signature] *SVP* 4/21/88 *Date* _____ *VP* _____ *Date*

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

To: Operations Superintendent - Nuclear Date: 04/20-21/88

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

A. Plant evolutions observed

- 3-OSP-072.2, Main Steam Isolation Valve Backup Periodic Test
- End of shift meeting
- Shift turnover
- Pre-shift briefing
- OP 4004.4, Containment Isolation Rack QR50 and QR51 Periodic Test
- Steady State operations at 100% power

B. Immediate safety problems

None

C. Questionable work practices

None

D. Area(s) for improvement

None

E. Professionalism, Summary of Shift, Comments

Good coordination/communication on cross tieing Instrument Air Systems and isolating Unit 4 Air Dryer for preventative maintenance.

F. Recommendations

None

Completed By: L. L. Thomas, *MOS Observer* Date: 04/20-21/88

Reviewed By: [signature], *Operations Superintendent- Nuclear* Date: 4/21/88

Management Review By: [signature] *PM/N* / 4/21/88 *Date* [signature] *SVP* / 4/21/88 *Date* *VP* / *Date*

04/20-21/88

Date Started 04/20/88	**PSN MOS**	Date Finished 04/20/88

Initiating PSN Schimkus PSN _____ Completed PSN Schimkus

Initiating APSN Murphy APSN _____ Completed APSN Murphy

A. Questionable Work Practices/Actions Taken/Recommendations

Fire Panel in Control Room - alarm points 26 and 27 which are monitoring Unit 3 and Unit 4 intake areas go out of service approximately every 2 to 3 days. PWO's and fire impairments are issued each time. These alarm points have become a nuisance in the Control Room and the time and paperwork involved in complying to procedures is causing a hardship on both the Operations and Electrical Departments.

B. Areas for Improvement/Recommendations/Actions Taken

Item A above - Recommend establishing a regular P.M. for the Electrical Department to inspect and clean the ultraviolet fire detectors at the intake. The interval for this P.M. should be based on an established failure rate which could be determined via the Nuclear Job Planning System. Another option would be to determine what the requirements for this system are and change to a more reliable system.

C. Good Practices/Professionalism Observed

Control Room Operators/field operators responded to 3 different off-normal situations on dayshift in a quick, concise and professional manner. These were:

1. Unit 4 Generator Field ground during morning rainstorm was narrowed down to problem other than actual generator ground.
2. Unit 4, 4A DC ground appeared to be off Train II Auxiliary Feedwater control circuitry. Operators narrowed down in minutes to priming jet solenoid power supply ground.
3. Both units - 4B Boric Acid Transfer Pump experienced a blown mechanical seal which was discovered in short time by operators and isolated

Reviewed By J.W. Pierce Date 4/21/88 Actions Completed _____ Date _____

Date Started 04/20/88	PSN MOS	Date Finished 04/20/88

Initiating PSN Harpel PSN _____ Completed PSN Harpel

Initiating APSN Singer APSN _____ Completed APSN Singer

A. Questionable Work Practices/Actions Taken/Recommendations

None

B. Areas for Improvement/Recommendations/Actions Taken

None

C. Good Practices/Professionalism Observed

Prompt action and good teamwork between Operations (APSN and RCO) and the Technical Department System Engineer in troubleshooting, locating and correcting a problem with the "B" Main Steam Isolation Valve Nitrogen Backup System. Their actions got us out of a 4 hour Limiting Condition for Operations (LCO) with plenty of time to spare. The Technical Department, I & C and Operations also worked quickly and as a team to get 3B Component Cooling Water Pump repaired, tested and back in service, getting us out of a 24 hour L.C.O. We had a number of occasions to call on the Maintenance, I & C, Electrical and Technical Departments tonight for various problems. I was pleased with the overall cooperation we received and felt that Operations was treated as the customer in all instances.

Reviewed By [signature] Date 4/21/88 Actions Completed _____ Date _____

Date Started 04/20/88	PSN MOS	Date Finished 04/21/88

Rating PSN Salkeld PSN _____ Completed PSN _____

Initiating APSN Guyer APSN _____ Completed APSN _____

A. Questionable Work Practices/Actions Taken/Recommendations

None

B. Areas for Improvement/Recommendations/Actions Taken

Tech. Spec. Table 3.5-5 requires the initiation of "the preplanned alternate method of monitoring the appropriate parameters" if both channels of the Containment High Range Radiation Monitors are out-of-service. ONOP-094, "Alternate Methods for Containment Post Accident Monitoring", prescribes utilizing either the Area Radiation Monitoring System (ARMS) channels 4,5 and 6 or R11 & R12 or grab samples as alternate methods. However, the Emergency Plan requires the ability to read containment radiation levels in the ranges of 1.3E4 R/hr and 1.3E5 R/hr. (EP20101, Table 1, item 14). The maximum reading of Area Radiation Monitoring System is 1 R/hr, R11 & R12, read in counts per second; and grab samples measure contamination, not radiation levels. It appears additional alternatives should be developed to meet our requirements.

C. Good Practices/Professionalism Observed

None

Reviewed By [signature] Date 4/21/88 Actions Completed _____ Date _____

W/R/Y

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

To: Operations Superintendent - Nuclear Date: 04/21/88

From: P. L. Walker (MOS Observer) Shift: ☒ Day ☐ Night

A. Plant evolutions observed

- Both units at 100% power, steady state operation
- I continued to pursue the adequacy of the PWO system; more later.

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: P. L. Walker, *MOS Observer* Date: 04/21/88

Reviewed By: K. W. Pierce, *Operations Superintendent- Nuclear* Date: 4/22/88

Management Review By: PM/N [illegible] 1/1/00/88 Date; SVP [illegible] 1 4/22/88 Date; VP / Date 04/21/88

*MOS.1 01.07.88

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

To: Operations Superintendent - Nuclear

Date: 04/21-22/88

From: Paul Geddes
(MOS Observer)

Shift: ☐ Day ☒ Night

A. Plant evolutions observed

- Both units at 100% power
- Shift turnover
- Plant tour

B. Immediate safety problems

None

C. Questionable work practices

None

D. Area(s) for improvement

None

E. Professionalism, Summary of Shift, Comments

No comments

F. Recommendations

None

Completed By: Paul Geddes
MOS Observer

Date: 04/21-22/88

Reviewed By: K. W. Paine
Operations Superintendent- Nuclear

Date: 4/22/88

Management Review By:

PM/N	Date	SVP	Date	VP	Date
CMB	4/22/88	[illegible]	4/22/88		

04/21-22/88

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

To: Operations Superintendent - Nuclear Date: 04/21-22/88

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

A. **Plant evolutions observed**

- Steady state operations, both units, 100% power
- Pre shift briefing
- End of shift meeting

B. **Immediate safety problems**

None

C. **Questionable work practices**

None

D. **Area(s) for improvement**

None

E. **Professionalism, Summary of Shift, Comments**

Reactor operators on peak shift (J. Eaton and D. MacArthur) showed much interest in their trainees. All available time was spent quizzing students on conducting walk throughs of Emergency Operating Procedures.

F. **Recommendations**

None

Completed By: L. L. Thomas (MOS Observer) Date: 04/21-22/88

Reviewed By: [signature] (Operations Superintendent- Nuclear) Date: 4/22/88

Management Review By: [signature] 4/22/88 (PM-N Date) [signature] 4/22/88 (SVP Date) / (VP Date)

Date Started 04/21/88	PSN MOS	Date Finished 04/21/88

Initiating PSN Harpel PSN _____ Completed PSN Harpel

Initiating APSN Singer APSN _____ Completed APSN Singer

A. Questionable Work Practices/Actions Taken/Recommendations

None

B. Areas for Improvement/Recommendations/Actions Taken

None

C. Good Practices/Professionalism Observed

None

Reviewed By [signature] Date 4/22/88 Actions Completed _____ Date _____

Date Started 04/21/88	PSN MOS	Date Finished 04/22/88

Initiating PSN Salkeld PSN _____ Completed PSN Salkeld

Initiating APSN _____ APSN _____ Completed APSN _____

A. Questionable Work Practices/Actions Taken/Recommendations

None

B. Areas for Improvement/Recommendations/Actions Taken

None

C. Good Practices/Professionalism Observed

None

Reviewed By [signature] Date 4/22/88 Actions Completed _____ Date _____

WRly

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

To: Operations Superintendent - Nuclear Date: April 22, 1988

From: P.L. Walker (MOS Observer) Shift: ☒ Day ☐ Night

A. **Plant evolutions observed**

- Both units 100% steady state operation.
- Concern for tube fouling of Component Cooling Water (CCW) Heat Exchangers continues as circulating water temperature rises. They are being cleaned on a rotating basis.
- Attended 7:20 morning meeting.
- Attended NRC/FPL Management meeting.
- One 125 VDC battery was taken out of service for replacement of a bad cell and uneventfully returned to service.

B. **Immediate safety problems**

None

C. **Questionable work practices**

None

D. **Area(s) for improvement**

None

E. **Professionalism, Summary of Shift, Comments**

- There appeared to be a high level of noise in the Control Room this afternoon due to an unavoidably high number of people. NRC personnel plus normal shift complement plus people in for pre-shift change meeting, etc, were present. Operators bore with it while attentively monitoring their units.

F. **Recommendations**

None

Completed By: P.L. Walker, *MOS Observer* Date: 4/22/88

Reviewed By: L.W. Pearce, *Operations Superintendent- Nuclear* Date: 4/25/88

Management Review By: C/B *PM-N* 4/25/88 *Date* J.J. *SVP* 4/25/88 *Date* / *VP* / *Date* 4/22/88

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

To: Operations Superintendent - Nuclear

Date: 4/22-23/88

From: Paul Geddes
(MOS Observer)

Shift: ☐ Day ☒ Night

A. **Plant evolutions observed**

- Both units 100%
- Shift turnover

B. **Immediate safety problem**

None

C. **Questionable work practice**

None

D. **Area(s) for improvement**

None

E. **Professionalism, Summary of Shift, Comments**

No Comments

F. **Recommendations**

None

Completed By: Paul Geddes
MOS Observer

Date: 04/24-25/88

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

Date: 4/25/88

Management Review By:

PM-N	Date	SVP	Date	VP	Date
	4/25/88		4/25/88		4/23/88

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

To: Operations Superintendent - Nuclear Date: 4/22-23/88

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

A. **Plant evolutions observed**

- Steady state operations
- Ground on 480 volt transformer
- Shift turnover and briefing

B. **Immediate safety problems**

None

C. **Questionable work practices**

None

D. **Area(s) for improvement**

None

E. **Professionalism, Summary of Shift, Comments**

Mid shift PSN (Pat Salkeld) spent almost the entire shift with a trainee conducting a thorough walkdown. Very quiet shift. The only work on going was Component Cooling Water Heat Exchanger cleaning.

F. **Recommendations**

None

Completed By: L.L. Thomas, *MOS Observer* Date: 4/23/88

Reviewed By: L.W. Pearce, *Operations Superintendent- Nuclear* Date: 4/25/88

Management Review By: *PM-N* 4/25/88 *Date*; *SVP* 4/25/88 *Date*; *VP* 4/23/88 *Date*

Date Started 4/22/88	**PSN MOS** Peak and Mids	Date Finished 4/22/88

Initiating PSN Harpel PSN Salkeld Completed PSN _____

Initiating APSN Singer APSN Guyer Completed APSN _____

A. Questionable Work Practices/Actions Taken/Recommendations

None

B. Areas for Improvement/Recommendations/Actions Taken

None

C. Good Practices/Professionalism Observed

None

Reviewed By R.W. Price Date 4/25/88 Actions Completed _____ Date _____

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

To: Operations Superintendent - Nuclear Date: 4/23/88

From: P.L. Walker (MOS Observer) Shift: ☒ Day ☐ Night

A. Plant evolutions observed

- Both units at 100% power - Steady state operation.
- A non-controlling feedwater flow channel on Unit 4 failed high.

B. Immediate safety problems

None

C. Questionable work practices

None

D. Area(s) for improvement

None

E. Professionalism, Summary of Shift, Comments

- Operations today were conducted in a relaxed but attentive fashion. Both units were operated smoothly. The instrumentation failure on Unit 4 was properly handled.

F. Recommendations

None

Completed By: P.L. Walker (MOS Observer) Date: 4/23/88

Reviewed By: L.W. Pearce (Operations Superintendent-Nuclear) Date: 4/25/88

Management Review By: C.J.B. (PM-N) 4/25/88 Date; [illegible] (SVP) 4/25/88 Date; _____ (VP) _____ Date

*MOS.1 01.07/88

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

To: Operations Superintendent - Nuclear Date: 4/23-24/88

From: Paul Geddes (MOS Observer) Shift: ☐ Day ☒ Night

A. Plant evolutions observed

- Both units at 100% power
- Shift turnover
- Plant tour
- Injured guard (Fell down tower)

B. Immediate safety problems

None

C. Questionable work practices

None

D. Area(s) for improvement

None

E. Professionalism, Summary of Shift, Comments

Smooth shift. Saw no problems with the handling of the injured guard.

F. Recommendations

None

Completed By: Paul Geddes, MOS Observer Date: 4/24/88

Reviewed By: [signature], Operations Superintendent- Nuclear Date: 4/25/88

Management Review By: [signature] PM-N 4/25/88 Date; [signature] SVP 4/25/88 Date; VP / Date

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

To: Operations Superintendent - Nuclear

Date: 4/23-24/88

From: L.L. Thomas
(MOS Observer)

Shift: ☐ Day ☒ Night

A. Plant evolutions observed

- Medical emergency
- Shift turnover and shift briefing
- Steady state operations

B. Immediate safety problems

None

C. Questionable work practices

4A Component Cooling Water (CCW) Heat Exchangers was cleaned over the weekend by contractor personnel. After cleaning, the efficiency of 4A CCW Heat Exchanger went down instead of up. This resulted in the Mechanical Maintenance Department having to reclean the Heat Exchanger.

D. Area(s) for improvement

None

E. Professionalism, Summary of Shift, Comments

- Continued training efforts with trainees occurred on both peaks and mid shifts.
- Medical emergency handled correctly.

F. Recommendations

- Consider having someone who understands the the work watch contractor cleaning of the CCW Heat Exchangers.

Completed By: L.L. Thomas
MOS Observer

Date: 4/24/88

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

Date: 4/25/88

Management Review By:

PM-N	Date	SVP	Date	VP	Date
CJB	4/25/88	[illegible]	4/25/88	/	/

Date Started 4/23/88	PSN MOS	Date Finished 4/23/88

Initiating PSN T.P. Anderson PSN _____ Completed PSN _____

Initiating APSN _____ APSN _____ Completed APSN _____

A. Questionable Work Practices/Actions Taken/Recommendations

This morning, the Maintenance Foreman called out the Weathertrol Air Conditioning repairman due to air conditioning problems in the Control Rod Motor Generator Set Rooms. The repairman (as per Electrical Department) did show up and worked on the system. The PSN was not informed of work starting on the system or when the work was finished. When the Control Rod Motor Generator Set Rooms were checked again this afternoon, it was still very hot and the repairman could not be found because he had already gone home. We spent another one and one half hours locating the repairman and found that the job had been finished but would take several hours for the rooms to cool off. If the contractor would check with the PSN prior to the work and before leaving, all this trouble of communication would go away. Recommend: Person in charge of aquiring contractors should inform them that they must notify the PSN prior to starting work and upon completion of work prior to leaving the plant.

Areas for Improvement/Recommendations/Actions Taken

None

C. Good Practices/Professionalism Observed

None

Reviewed By T.W. Pence Date 4/25/88 Actions Completed _____ Date _____

Date Started 4/23/88	**PSN MOS** 1530-2330	Date Finished 4/23/88

Initiating PSN Wogan PSN _____ Completed PSN Wogan

Initiating APSN Singer APSN _____ Completed APSN Singer

A. Questionable Work Practices/Actions Taken/Recommendations

None

B. Areas for Improvement/Recommendations/Actions Taken

When Security changes procedures to implement guidelines (i.e. access control), a memo or some information on the new change would be helpful, since the change directly affects the NWE, APSN and PSN.

C. Good Practices/Professionalism Observed

No bad practices or unprofessionalism observed

Reviewed By L.W. Pearce Date 4/25/88 Actions Completed _____ Date _____

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

To: Operations Superintendent - Nuclear Date: 4/24/88

From: P.L. Walker (MOS Observer) Shift: ☒ Day ☐ Night

A. **Plant evolutions observed**

- Both Units, 100% steady state operation.
- Discussions of a minor problem with a 480 volt breaker, oil level in an enclosure around a turbine bearing lift pump, and various heat related problems.
- Toured around Unit 4 high pressure feedwater heater area. Found a few items which promptly became PWO's.

B. **Immediate safety problems**

None

C. **Questionable work practices**

There is some concern that the contractor who hydrolased the Component Cooling Water Heat Exchanger(s) didn't do as good a job as they should have. Efficiency did not go up.

D. **Area(s) for improvement**

None

E. **Professionalism, Summary of Shift, Comments**

Quiet shift

F. **Recommendations**

Plant Work Orders:

1. The expanded, speeded up computer program should be put in place as soon as possible.
2. All cognizant people in Operations (PSN's, APSN, Watch Engineers and Shift Techs need to be thoroughly trained in the capabilities of the system (And its limitations).
3. Computer main frame support needs to be enhanced by giving Turkey Point more control so that problems can be repaired immediately.

Completed By: P.L. Walker (MOS Observer) Date: 4/24/88

Reviewed By: L.W. Pearce (Operations Superintendent-Nuclear) Date: 4/25/88

Management Review By: CHB 4/25/88 (PM-N Date) SVP 4/25/88 (Date) VP / (Date)

*MOS:1 01.07/88

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

To: Operations Superintendent - Nuclear Date: 04/24-25/88

From: Paul Geddes (MOS Observer) Shift: ☐ Day ☒ Night

A. **Plant evolutions observed**

- Both units at 100% power
- Shift turnover
- Intermediate Range Nuclear Instrumentation Periodic Test
- Diesel Generator A Operability check

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: Paul Geddes *MOS Observer* Date: 04/24-25/88

Reviewed By: L.W. Pearce *Operations Superintendent- Nuclear* Date: 4/25/88

Management Review By: [illegible] 4/25/88 *PM-N* *Date* [illegible] 4/25/88 *SVP* *Date* / *VP* *Date* 04/24-25/88

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

To: Operations Superintendent - Nuclear Date: 04/24-25/88

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

A. **Plant evolutions observed**

- 4-OSP-059.2, Intermediate Range Nuclear Instrumentation Analog Channel Operational Test
- O-OSP-023.1, Diesel Generator Operability Test
- Shift turnover
- Shift briefing
- End of shift meeting

B. **Immediate safety problems**

None

C. **Questionable work practices**

None

D. **Area(s) for improvement**

None

E. **Professionalism, Summary of Shift, Comments**

No unprofessional actions observed

F. **Recommendations**

None

Completed By: L. L. Thomas, MOS Observer Date: 04/24-25/88

Reviewed By: L. W. Pearce, Operations Superintendent- Nuclear Date: 4/25/88

Management Review By: CMB PM-N 4/25/88 Date; SVP 4/25/88 Date; VP / Date 04/24-25/88

Date Started 4/24/88	PSN MOS	Date Finished 4/24/88

Initiating PSN T.P. Anderson PSN _____ Completed PSN T.P. Anderson

Initiating APSN _____ APSN _____ Completed APSN _____

A. Questionable Work Practices/Actions Taken/Recommendations

None

B. Areas for Improvement/Recommendations/Actions Taken

With INPO coming the more visible discrepancies of our plant should be allotted more resources of the preparation effort than the less visible ones. The annunciators in the Control Room need work. On Unit 3 there are 17 annunciators in the alarm status that should not be, 3 of them pulled due to nuisance alarms, and 26 PWO's outstanding. On Unit 4 there are 29 in the alarm status that should not be in, 21 PWO's outstanding, and 2 pulled cards. Unit 4 right now almost looks like a shutdown unit. This is very visible and is sure to take hit from INPO.

Good Practices/Professionalism Observed

None

Reviewed By D.W. Pearce Date 4/25/88 Actions Completed _____ Date _____

Date Started 04/24/88	PSN MOS	Date Finished 04/24/88

Initiating PSN Wogan PSN _____ Completed PSN Wogan

Initiating APSN Singer APSN _____ Completed APSN Singer

A. **Questionable Work Practices/Actions Taken/Recommendations**

None

B. **Areas for Improvement/Recommendation/Actions Taken**

Emergency Diesel Generator testing time limits and criteria for pre-planned removal from service time limits need to be standardized and placed in the Compliance Evaluation Log for Control Room use. Also include these time limits in the instructions for taking a diesel out-of-service in accordance with OP-4304.5, "Engineered Safety Feature Equipment Operability Verification with an Emergency Diesel Generator Inoperable."

C. **Good Practices/Professionalism Observed**

No bad practices or unprofessionalism observed

Reviewed By K.W. Pence Date 4/25/88 Actions Completed _____ Date _____