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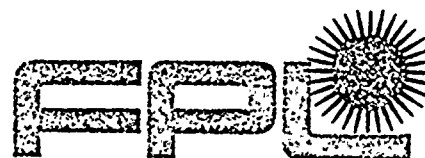
ACCESSION NBR: 8711300248 DOC. DATE: 87/11/25 NOTARIZED: NO DOCKET #  
 FACIL: 50-250 Turkey Point Plant, Unit 3, Florida Power and Light C 05000250  
 50-251 Turkey Point Plant, Unit 4, Florida Power and Light C 05000251  
 AUTH. NAME AUTHOR AFFILIATION  
 WOODY, C. D. Florida Power & Light Co.  
 RECIP. NAME RECIPIENT AFFILIATION  
 GRACE, J. N. Region 2, Ofc of the Director

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

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NOVEMBER 25 1987  
L-87-488

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 attachments referenced in several of the daily summaries are available for review on site.

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

Very truly yours,



C. O. Wood  
Executive Vice President

COW/SDF/cn  
Attachment

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

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MOS001

an FPL Group company

# MANAGEMENT ON SHIFT (MOS)

WEEK STARTING: November 16, 1987

## WEEKLY SUMMARY REPORT

PAGE 1 OF 2

During this period, (November 16 through November 23, 1987), five persons were on shift: R. Gouldy, Nuclear Licensing; J.C. Strong, Turkey Point Maintenance Assistant Superintendent; J.C. Balaguero, Turkey Point Technical Department Group Supervisor; P. Fincher, St. Lucie Training Superintendent, and L.C. Huenniger, Turkey Point Start Up Department Superintendent.

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

During this period, one item was categorized as an immediate safety problem due to its reportability under 10 CFR 50.72. This was the auto-start of the 4B Component Cooling Water (CCW) pump on low header pressure, which occurred as a direct result of the 4C CCW pump being valved back in service. Corrective action for this issue will be to start a second pump prior to potential CCW system pressure transients.

Additionally, instances of questionable work practices were identified.

The first one was in the area of operator turnover sheets. This item had previously been identified by the Management on Shift program, and corrective actions are already under way. All Operations Personnel were counselled regarding the necessity of filling in the forms completely. Problems continued to be experienced and it was determined that the sheets were not user friendly or useful as they were formatted. The Reactor Control Operator turnover sheets have been updated, and the other remaining items will be completed prior to January 1, 1988.

The second item identified was the overflow of the turbine lube oil storage tank. The cause of the overflow was determined to be two leaking valves. Immediate action was to clean up the spill, and the valves are to be repaired.

The third item identified was in the area maintenance work practices, including the necessity to rework the PORV block valve MOV-4-536, coordination of work on FI-4-630, and a lack of detail on a Plant Work Order, specifically an inadequate work description on the spent fuel rack debris cleanup.

The rework on valve MOV-4-536 was the result of a maintenance journeyman identifying corroded bolts and a problem with the packing follower after the initial problem was repaired. Two areas in which procedural enhancements could be realized were identified.

8711300248

ATTACHMENT: MOS DAILY REPORTS



# MANAGEMENT ON SHIFT (MOS)

## WEEKLY SUMMARY REPORT

WEEK STARTING: November 16, 1987

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The reports also stated that a more thorough followup using an Off Normal Annunciator procedure could have resulted in earlier resolution of an instrument grounding problem.

The filling of the CCW surge tank line on Unit 4, discussed in the November 20-21 notes, was investigated, and found to have been conducted in an appropriate manner.

During the week, several operating strengths were reaffirmed: shift briefings, and team problem solving.

ATTACHMENT: MOS DAILY REPORTS



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**MOS DAILY REPORT**

To: Operations Superintendent - Nuclear

Date: 11-16-87

From: Russell Gouldy  
(MOS Observer)

Shift: ☒ Day  
☐ Night

A. Plant evolutions observed

- National Warning System (NAWAS) phone ring down by State warning point (communications link for emergency planning).
- Operations, Technical and Construction departments flushing of CCW system.
- 7:00 A.M. outage planning meeting.
- 1:00 P.M. outage planning meeting.
- ERT meeting concerning void formation in Unit 4 RCS.
- Peak shift, start-of-shift turnover meeting.
- Troubleshooting the venting and runs of the 4B charging pump.

B. Immediate safety problems

None observed





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**MOS DAILY REPORT**

C. Questionable work practices  
None

D. Actions taken  
None required

RG/md  
★/JWG/dj/sr/dj

11/16/87



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**MOS DAILY REPORT**

E. Strengths  
None

F. Area(s) for improvement  
None

RG/md  
★/JWG/dj/sr/dj

11/16/87

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**MOS DAILY REPORT**

G. Recommendations  
None

Completed By: Russell Gouldy  
MOS Observer

Date: 11-16-87

Reviewed By: Richard J. Mendel  
Operations Superintendent - Nuclear

Date: 11-17-87

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RG/md  
★/JWG/dj/sr/dj

**11/16/87**



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**MOS DAILY REPORT**

To: Operations Superintendent - Nuclear

Date: 11/16-17/87

From: Pat L. Fincher  
(MOS Observer)

Shift: ☐ Day  
☒ Night

A. Plant evolutions observed

- Shift turnover.
- Shift briefing.
- Tour of CCW area.
- Tour of switchgear areas.
- Tour of AFW pump areas.
- Tour of secondary plant.

B. Immediate safety problems

None

PLF/md  
★/JWG/dj/sr/dj

11/16-17/87

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MOS DAILY REPORT

C. Questionable work practices

NONE

D. Actions taken

NONE

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★/JWG/dj/sc/dj

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MOS DAILY REPORT

E. Strengths

None

F. Area(s) for improvement

Communications between relieving shifts need to be more focused. The significance of active operating problems sometimes gets downplayed from shift to shift. Maintenance personnel working on resolving operating problems should keep operations informed of the status of their efforts. Maintenance personnel should make a thorough turnover of such activities to the oncoming crew within the Maintenance Department.

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11/16-17/87



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MOS DAILY REPORT

G. Recommendations  
See F.

Completed By: P. L. Fincher  
MOS Observer

Date: 11-17-87

Reviewed By: Richard J. Wende  
Operations Superintendent- Nuclear

Date: 11-17-87

778 11/17/87

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PLF/md  
★JWG/dj/sr/dj

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**MOS DAILY REPORT**

To: Operations Superintendent - Nuclear

Date: 11/16-17/87

From: L. C. Huenniger  
(MOS Observer)

Shift: ☐ Day  
☒ Night

A. Plant evolutions observed

- 1) The construction effort to install the component cooling chloride cleanup system including the preparations for the hot tap into the CCW surge line.
- 2) Shift turnover meeting and general Control Room activities.
- 3) The Control Room Operators discussed a better method of controlling post maintenance test sheets. The PSN wrote up the results and will discuss with the Operations Supervisor for possible procedure revision.
- 4) Walkdown of auxiliary feedwater pumps area and Unit 4 load center and 4160V distribution rooms.

B. Immediate safety problems

None

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★/JWG/dj/sr/dj

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MOS DAILY REPORT

C. Questionable work practices

NONE

D. Actions taken

NONE

LCH/md  
★/JWG/dj/sr/dj

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**MOS DAILY REPORT**

**E. Strengths**

None

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

Communications within individual departments. On several occasions during the week activities were brought up in the 7:00 A.M. meeting for action to be taken during the day shift. The jobs and current status was not provided to the next shift to allow answering questions concerning what had been accomplished and what action remained to be taken for the 11:45 P.M. Control Room meeting involving these support departments.



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**MOS DAILY REPORT**

G. Recommendations

None

Completed By: L. C. Huenniger  
MOS Observer

Date: 11-17-87

Reviewed By: Richard J. Maude  
Operations Superintendent- Nuclear  
770 11/17/87

Date: 11-17-87

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**Management-on-Shift (MOS)**  
**ACRONYMS**

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



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## MOS DAILY REPORT

To: Operations Superintendent - Nuclear

Date: 11-17-87

From: Russell Gouldy  
(MOS Observer)

Shift: ☒ Day  
☐ Night

### A. Plant evolutions observed

- Operations and Technical departments trouble shoot and determine 4C CCW pump seal leakage.

Results: Seals leak at pump flow <7000 gpm.  
Seals (in and out board) to be replaced.

- Reviewed NO's Logs - precise and accurate when reviewed against actual waste boron panel instrument indicators.
- Operations shift (PSN, APSN, NWE, RO and NO) plan, prepare and write 4B RHR Hydro clearance.
- Attended 7:00 A.M. planning meeting, 1:00 P.M. planning meeting, end-of-shift turnover meeting and start-of-shift meeting.

### B. Immediate safety problems

None observed

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MOS DAILY REPORT

C. Questionable work practices

None

D. Actions taken

None required

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MOS DAILY REPORT

E. Strengths

Use of teamwork in Operations.

A) Troubleshooting of 4C CCW pump seals (leakage).

B) 4B RHR clearance preparation that involved all affected personnel in the operations process. Comments were incorporated and preparation was efficient.

F. Area(s) for improvement

None

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MOS DAILY REPORT

G. Recommendations

None

Completed By: Russell Gouldy  
MOS Observer

Date: 11-17-87

Reviewed By: Richard L. Wendt  
Operations Superintendent - Nuclear  
11/21/87

Date: 11-18-87

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★/JWG/dj/sr/dj

11/17/87

Management-on-Shift (MOS)  
ACRONYMS

AFW	Auxiliary Feedwater
ANPO	Assistant Nuclear Plant Operator
APSN	Assistant Plant Supervisor Nuclear
ASP	Administrative Site Procedure
CCW	Component Cooling Water
CP	Charging Pump
DG	Diesel Generator
DC	Direct Current
$\Delta$ P or DP	Differential Pressure
EDG	Emergency Diesel Generator
ERT	Event Response Team
EW	East-West
FCV	Flow Control Valve
FPL	Florida Power and Light Company
FSAR	Final Safety Analysis Report
GEMS	Generating Equipment Management Systems
GPM	Gallons Per Minute
HHSI	High Head Safety Injection
HX	Heat Exchanger
IAW	In Accordance With
ICW	Intake Cooling Water
ICWP	Intake Cooling Water Pump
IST	Inservice Testing
LCV	Level Control Valve
MOS	Management on Shift
NAB	Nuclear Administration Building
NAWAS	National Warning System (Emergency Planning)
NCR	Non-Conformance Report
NPO	Nuclear Plant Operator
NPS	Nuclear Plant Supervisor
NRC	Nuclear Regulatory Commission
NS	North-South
NWE	Nuclear Watch Engineer
OMS	Overpressure Mitigating System
ONOP	Off Normal Operating Procedure
OOS	Out-of-Service
OTSC	On The Spot Change





Management-on-Shift (MOS)

ACRONYMS

Continued

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

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## MOS DAILY REPORT

To: Operations Superintendent - Nuclear

Date: 11/17-18/87

From: P. L. Fincher  
(MOS Observer)

Shift: ☐ Day  
☒ Night

### A. Plant evolutions observed

1. RCO, PSN, APSN shift turnover.
2. Midnight shift briefing.
3. Toured Plant with shift supervisor including secondary plant areas feedwater platforms, steam trestles, D/G areas, all levels of turbine deck, reactor auxiliary building including most equipment rooms, water treatment areas and intake structure area.
4. Reviewed miscellaneous watch station log books and logsheets.
5. Reviewed Equipment Out of Service Log.
6. Observed conduct of POP 0800.180 test of flow through new recirculation line on 4B RHR pump. Test was well coordinated with thorough communications between participants. All procedural requirements were adhered to.

### B. Immediate safety problems

None

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**MOS DAILY REPORT**

C. Questionable work practices

NONE

D. Actions taken

NONE



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MOS DAILY REPORT

E. Strengths

Shift turnovers by Control Room personnel were very thorough with much discussion of status and upcoming evolutions. This was especially true for the PSN/APSN.

The midnight shift briefing was very well conducted. Discussions were controlled and to the point. Representatives from support groups participated freely and appeared to know the status of their jobs. Unanswered questions were followed up. Priorities were clearly established to facilitate focusing shift resources.

F. Area(s) for improvement

None

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MOS DAILY REPORT

G. Recommendations

None

Completed By: P. E. Fincher  
MOS Observer

Date: 11-18-87

Reviewed By: Richard L. Mende  
Operations Superintendent- Nuclear  
7/18 11/18/87

Date: \_\_\_\_\_

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★/JWG/dj/sr/dj

11/17-18/87









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## MOS DAILY REPORT

C. Questionable work practices

NONE

D. Actions taken

- Pointed out to PSN that having a CCW HX valved out for an unnecessarily long period of time is not a good practice because of high flow and excessive tube vibration on the other two CCW HX's. The PSN immediately re-prioritized his plan to valve the 4A CCW HX back in first. The original plan was to have the 4A CCW HX ready for eddy current testing first thing in the morning. This would have interfered with the CCW surge line work and therefore it was decided to do the 4C CCW HX first (eddy current).
- Will work with PUP tomorrow to enhance 3/4-OP-30 procedure.
- Pointed out to APSN/PSN of the need to get the 4C CCW HX ready for eddy current testing. They were not aware of this.

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### MOS DAILY REPORT

#### E. Strengths

Shift meeting was very good. Both the PSN and APSN did a good job of letting everyone know the work that needed to be accomplished during the shift. They encouraged participation from all attendees and solicited suggestions from the Nuclear Operators as to the best way to accomplish priority work.

During the valve manipulation of 4-752B valve, the Nuclear Operator double-checked both the valve position and the clearance order in a very conscientious manner. The Nuclear Watch Engineer came over to oversee that everything was running smoothly and to offer any additional support.

#### F. Area(s) for improvement

During the shift meeting several questions were raised by the Field Operators which nobody could answer satisfactorily. No attempts were made on the part of supervision (i.e. PSN, APSN, NWE, Shift Director, etc.) to answer or to get the answers to the Field Operator's questions.

Shift Director should take a more active role during the shift meetings and a less active role in interpreting actual work in the field. He incorrectly interpreted a comment made by the System Engineer and turned Operations on for next step without being ready or informing the System Engineer.

Little coordination existed between Bechtel work forces and Operations which could have resulted in no CCW surge tank indication and/or alarm in the Control Room. Bechtel was ready to drain the side of the CCW surge tank with Control Room indication without telling Operations to station a man with a radio to monitor local indication. In addition, the local indication reads 75% and the Control Room indication reads 50%. NCR work affecting safety related components need a greater level of attention than it's presently getting.

Curing time on some EDG work apparently is 24 hours and yet Operations do not know about this.

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## MOS DAILY REPORT

### G. Recommendations

1. Need to pay more attention to operating out of normal operating band (i.e. excessive CCW flow in two CCW HX's).
2. Shift Director to inform responsible party of his intentions prior to his action.
3. Work to be done on a NCR disposition should be better coordinated (i.e. procedure, process sheets, implementation review, PNSC approval, etc.). I will talk to PUP to see what can be done in this area.
4. Maintenance to more actively participate during shift meeting to inform Operators of everything they are doing (i.e. curing time issue), not just wait to be asked.

Completed By: J. C. Balaguero  
MOS Observer

Date: 11-18-87

Reviewed By: *Richard A. Meade*  
Operations Superintendent- Nuclear

Date: 11/18/87

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JCB/md  
★/JWG/dj/sr/dj

11/17-18/87

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## MOS DAILY REPORT

To: Operations Superintendent - Nuclear

Date: 11-18-87

From: Russell Gouldy  
(MOS Observer)

Shift: ☒ Day  
☐ Night

### A. Plant evolutions observed

- 7:00 A.M. planning meeting
- 7:40 A.M. Plant Manager's meeting
- Walked down Unit 4 secondary system
- Reviewed out of service book
- Reviewed OSP 200.2, Plant Startup Surveillances
- 1:00 P.M. planning meeting
- Start of shift meeting
- Preparations to return 4B RHR pump and 4B D/G to service

### B. Immediate safety problems

None

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## MOS DAILY REPORT

### C. Questionable work practices

- Senior Resident Inspector discussed incomplete shift turnover sheets with APSN and did not get a professional response. Numerous comments have been submitted to the Procedure Upgrade Project to resolve these problems that lead to incomplete turnover forms.
- See Recommendations.

### D. Actions taken

- Discussed above problem with Senior NRC Inspector, Operations Management and Plant Manager.





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MOS DAILY REPORT

E. Strengths

None noted during this shift

F. Area(s) for improvement

- Attention to detail when performing shift turnover so that required paperwork is complete.
- T.S. 3.0.5 and its Basis was discussed by shift supervision as being in conflict with 4-O-050 Step 4.4 and AP 103.32, Step 4.9.5 and its note.

NOTE: 4-OP-050 Residual Heat Removal System  
AP 103.32 Reactor Cold Shutdown Condition

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## MOS DAILY REPORT

### G. Recommendations

- Shift turnover sheets

Delete the forms or modify the forms so that they are used and useful.

Until this is accomplished, all Operators required to review and complete turnover sheets should comply with plant procedures and complete these forms.

This item was addressed by a memo issued by the Operations Supervisor, dated October 30, 1987.

- Issue Letter of Instruction concerning equipment requirements for cold shutdown and diesel generation operability.

Completed By: Russell Gouldy  
MOS Observer

Date: 11-18-87

Reviewed By: Richard H. Hilde  
Operations Superintendent - Nuclear  
JMS 11/19/87

Date: 11-19-87

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**MOS DAILY REPORT**

To: Operations Superintendent - Nuclear

Date: 11/18-19/87

From: J. C. Balaguero  
(MOS Observer)

Shift: ☐ Day  
☒ Night

**A. Plant evolutions observed**

- Shift turnover (PSN, APSN)
- Shift meeting
- Personnel attentiveness
- Plant walkdown
  - NO shack
  - 4160V rooms
  - CCW HX rooms
  - HHSI pump rooms
  - Intake area
  - Auxiliary feedwater area

**B. Immediate safety problems**

None observed

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MOS DAILY REPORT

C. Questionable work practices

None observed

D. Actions taken

- Provided positive feedback to several operators for what I considered to be excellent work practices. These included the PSN, APSN, NWE and Nuclear Operators.



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**MOS DAILY REPORT**

**E. Strengths**

- Observed the peak shift APSN explain to the PSN a problem with venting 3B RHR pump. The explanation was very thorough involving the use of reference material, etc. An overall excellent job.
- The peak shift PSN upon being made aware of inconsistencies with the turnover sheets, proceeded to discuss the problem with his people and write a letter to the Operations Supervisor informing him of the problem and suggesting several alternate corrective actions to take. Operators are taking accountability for their problems instead of passing the buck or blaming others.
- The midnight shift meeting at 23:45 was excellent. The PSN gave a lecture on accountability in support of the APSN's plan of action for the day which seemed very effective in motivating his people. This shift is an excellent example of a good "team". All the questions raised during the meeting were answered thoroughly which tended to make the meeting a little too long but was necessary, in my opinion, to build up teamwork.

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

- Shift turnover sheets and their procedural guidance should be improved.
- Observed the removal of the 3A HHSI pump casing cover which appeared very awkward and cumbersome.

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## MOS DAILY REPORT

### G. Recommendations

- Provide better guidance on how to properly fill out the shift turnover sheets in order to achieve consistency.
- Delete unnecessary items (normally marked N/A) from the turnover sheets.
- Encourage operators to use the resources at their disposal to take care of procedural problems, etc (PUP on shift and STAs can help here). Encourage total adherence to administrative procedures to achieve consistency throughout or change the procedure to allow that consistency.
- Improve on the method to remove HHSI pump covers. "There ought to be a better way". Perhaps a QI team should work on this problem.

Completed By: J. C. Balaguero  
MOS Observer

Date: 11-19-87

Reviewed By: Richard J. Mendez  
Operations Superintendent- Nuclear

Date: 11-19-87

FINAL PAGE

JCB/md  
★/JWG/dj/sr/dj

11/18-19/87

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MOS DAILY REPORT

To: Operations Superintendent - Nuclear

Date: 11/18-19/87

From: P. L. Fincher  
(MOS Observer)

Shift: ☐ Day  
☒ Night

A. Plant evolutions observed

- Shift turnover
- Shift briefing
- Conduct of OSP-023.1 "Operability Test of B-EDG"
- Reviewed "Red Book" for periodic tests and surveillance
- Reviewed shift turnover checksheets
- Reviewed NO logsheets
- Reviewed RCO logbooks
- Preparations for and depressurization of Unit 4

B. Immediate safety problems

None





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### MOS DAILY REPORT

#### C. Questionable work practices

- During lube oil transfer operations (storage tank to Unit 4 reservoir) it was discovered that oil was being transferred from Unit 3 reservoir to the storage tank, resulting in overflow of the tank. Investigations are still underway at this time.

#### D. Actions taken

- Discussed shift turnover checksheets with RCO personnel and APSN to determine if they understood what the expectations were when filling out the sheets.
- Questioned PSN/APSN's concerning OP-0204.2 and OSP-200.1. Pages 14 and 15 of OP-0204.2 are generally N/A and therefore are routinely not signed as reviewed by the PSN. This results in a documentation package which is technically incomplete being sent to record storage. They all said that they needed additional guidance.

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MOS DAILY REPORT

E. Strengths

Conduct of shift briefings continues to be a positive attribute for this shift. These briefings make a positive contribution to shift coordination.

F. Area(s) for improvement

1. Additional guidance is needed to clarify, for Operations personnel, what is expected when filling out shift turnover sheets. Procedure revisions are in process, however, interim clarification is needed until the revised procedure is issued. Current approaches are inconsistent between individual operators and individual shifts.
2. OP-0204.1 and OSP-0200.1 need improvement to provide additional guidance to minimize confusion and better coordinate administration of surveillances, periodic tests, etc.

See attached notes for added detail.

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MOS DAILY REPORT

G. Recommendations

1. Expedite issuance of revised procedures covering shift turnover requirements and provide additional interim guidance, to ensure consistency, until the revised permanent procedures are issued.
2. Review OP-0204.2 and OSP-0200.1 for possible consolidation and streamlining, and to remove redundancy in signoff requirements. A PUP procedure feedback form was generated and is attached.

Completed By: P. L. Fincher  
MOS Observer

Date: 11-19-87

Reviewed By: Richard J. Wend  
Operations Superintendent - Nuclear  
7/28 11/19/87

Date: 11-19-87

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Management-on-Shift (MOS)  
ACRONYMS

AFW	Auxiliary Feedwater
ANPO	Assistant Nuclear Plant Operator
APSN	Assistant Plant Supervisor Nuclear
ASP	Administrative Site Procedure
CCW	Component Cooling Water
CP	Charging Pump
DG	Diesel Generator
DC	Direct Current
AP or DP	Differential Pressure
EDG	Emergency Diesel Generator
ERT	Event Response Team
EW	East-West
FCV	Flow Control Valve
FPL	Florida Power and Light Company
FSAR	Final Safety Analysis Report
GEMS	Generating Equipment Management Systems
GPM	Gallons Per Minute
HHSI	High Head Safety Injection
HX	Heat Exchanger
IAW	In Accordance With
ICW	Intake Cooling Water
ICWP	Intake Cooling Water Pump
IST	Inservice Testing
LCV	Level Control Valve
MOS	Management on Shift
NAB	Nuclear Administration Building
NAWAS	National Warning System (Emergency Planning)
NCR	Non-Conformance Report
NO	Nuclear Operator
NPO	Nuclear Plant Operator
NPS	Nuclear Plant Supervisor
NRC	Nuclear Regulatory Commission
NS	North-South
NWE	Nuclear Watch Engineer

## Management-on-Shift (MOS)

ACRONYMSContinued

OMS	Overpressure Mitigating System
ONOP	Off Normal Operating Procedure
OOS	Out-of-Service
OTSC	On The Spot Change
PORV	Power Operated Relief Valve
PPM	Parts Per Million
PRZ	Pressurizer
PUP	Procedure Upgrade Program
PWO	Plant Work Order
QSPDS	Qualified Safety Parameter Display System
RCA	Radiation Control Area
RCO	Reactor Control Operator
RCP	Reactor Coolant Pump
RCS	Reactor Coolant System
RHR	Residual Heat Removal
RTD	Resistance Temperature Device
RV	Reactor Vessel
SAS	Safety Assessment System
S/G	Steam Generator
SNOW	Short Notice Outage Work
SNPO	Senior Nuclear Plant Operator
STA	Shift Technical Advisor
TSA	Temporary System Alteration
TP	Temporary Procedure
W	Westinghouse Corporation

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MOS DAILY REPORT

To: Operations Superintendent - Nuclear

Date: 11-19-87

From: Russell Gouldy  
(MOS Observer)

Shift: ☒ Day  
☐ Night

A. Plant evolutions observed

- 7:00 A.M. planning meeting
- 7:40 A.M. Plant Manager's meeting
- Walkdown and review of lube oil transfer problem with turbine operator, APSN and Maintenance personnel.
- Shift turnover meeting
- Walkdown control room areas behind surveillance area (logic and control racks)

B. Immediate safety problems

None





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MOS DAILY REPORT

C. Questionable work practices

• None

D. Actions taken

None required

RG/md  
★JWG/dj/sr/dj

11/19/87

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MOS DAILY REPORT

E. Strengths

- Operations review of equipment-out-of-service under clearance and notifications made at planning and shift meetings. This reduces the overload of Operations personnel just before unit startup.

F. Area(s) for improvement

- Surveillance areas behind control panels still cluttered (See Recommendation).



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## MOS DAILY REPORT

### G. Recommendations

- Provide Operations staff a room of adequate size in the NAB (when Maintenance personnel move to their building) capable of storing:

- 1) Personnel lockers (removes them from rack area).
- 2) Storage cabinets for clerical, support equipment and supplies (removes these from rack area).
- 3) Desk and tables for meetings, discussions, and studies.

This room would have 2 positive effects:

- 1) Removes the clutter from the Control Room which improves maintainability and appearance.
- 2) Makes Operators more "Welcome" in the NAB which will remove the isolation between Operators and Management.

Completed By: Russell Gouldy  
MOS Observer

Date: 11-19-87

Reviewed By: Richard J. Ward  
Operations Superintendent- Nuclear

Date: 11-20-87

*JG*  
11/20/87

*WJ*  
11/20/87

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**MOS DAILY REPORT**

To: Operations Superintendent - Nuclear

Date: 11/19-20/87

From: J. C. Balaguero  
(MOS Observer)

Shift: ☐ Day  
☒ Night

A. Plant evolutions observed

- Normal operations in Control Room
- Shift meetings
- 7:00 P.M. meeting
- Walkdown Plant

B. Immediate safety problems

None observed

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MOS DAILY REPORT

C. Questionable work practices

None observed

D. Actions taken

None required

JCB/md  
★/JWG/dj/sr/dj

11/19-20/87



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### MOS DAILY REPORT

#### E. Strengths

- Shift meetings continue to be excellent.
- Midnight shift PSN makes a list of broken equipment on his nightly walkdowns. He then breaks the list into Operator areas (i.e., RO, NO, TO, AEO) and gives each Operator his respective portion of the list. The Operators are asked to write PWOs for the broken equipment and return the list with PWO numbers to the PSN. The PSN mentions this list in the 7:00 P.M. meeting and tracks it down to see how long it takes for the equipment to be fixed. This I think is a good practice for several reasons:
  - 1) It makes the Operators more accountable for their equipment and embarrassed to have his Supervisor find problems before he does. At the same time the Supervisor can monitor that the number of equipment he finds broken vs. his Operator goes down with time (makes better Operators).
  - 2) The Supervisor can make visible the condition of the Plant to Upper Management in the morning meeting and this is more likely to get real time support from supporting organizations.
  - 3) The Supervisor can monitor, as the customer, the performance of his supporters and provide valuable feedback as to real needs, priorities, etc. (valid requirement).

#### F. Area(s) for improvement

- Operators (RCOs) should get into a habit of informing their PSNs/APSN when important equipment malfunctions. Example: 3P08 breaker is tripped taking power from all PRMs detectors/rack and the operator
- Operators should ask the PSN/APSN for permission to pull out a nuisance annunciator card prior to doing so.

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## MOS DAILY REPORT

### G. Recommendations

- Incorporate the good practice described in the Strengths section into everyday work practice, or something along those lines, so that all PSN's do it consistently. This could become part of QIDW for Operators.
- Reiterate to the Operators of the need to keep his supervision informed of any equipment malfunction.
- Reiterate to the Operators of the importance to ask the PSN/APSN for permission prior to pulling annunciator cards.

Completed By: J. C. Balaguero  
MOS Observer

Date: 11-20-87

Reviewed By: *Richard A. Newco*  
Operations Superintendent- Nuclear

Date: 11-20-87

*JCB*  
11/20/87

*713 11/20/87*

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11/19-20/87







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**MOS DAILY REPORT**

**C. Questionable work practices**

None Observed

**D. Actions taken**

Discussed implementation of AP-0190.28 with PSN, APSN, NWE and RCO's to determine actual practice for handling post maintenance testing requirements. Pointed out that the "EOOS Book" is the responsibility of the PSN/NWE according to AP-0190.28 and that other personnel should not be posting post maintenance test sheets in these books (according to PSN/APSN/NWE, Maintenance and Gems personnel sometime put the sheets in the book, and frequently this is done prior to completion of the maintenance work).



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### MOS DAILY REPORT

#### E. Strengths

##### Shift briefing

- Thorough coverage of planned shift activities.
- Explained results of investigation into TLO storage tank overflow in general terms.
- ASPN provided clear definition of work priorities needed to provide focus on startup of Unit 4.
- PSN provided a summary of critical path activities for this shift and the next few days.
- APSN discussed the importance of individuals being accountable for their work activities and urged them to use peer pressure to stimulate others to be accountable.
- Maintenance personnel provided valuable input to the effectiveness of the shift meeting. They were up-to-date on job status and problems and in general functioned as active team members.

#### F. Area(s) for improvement

- Adherence to the procedural requirements of AP-0190.28.
- Improvement to Administrative Procedure AP-0190.28 to clarify when equipment is ready for post maintenance testing, better or more clearly identify equipment, and organize the post maintenance test sheets according to plant conditions needed for testing and mode change restrictions.



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## MOS DAILY REPORT

### G. Recommendations

1. Enforce compliance with the procedural requirements of AP-0190.28 for processing post maintenance test sheets.
2. Modify post maintenance test sheets to include signoffs by Maintenance personnel that the maintenance work is complete and the equipment is ready for testing.
3. Modify post maintenance test sheets to require identification of conditions required for test and mode change restrictions, including signoff by PSN, for testing to be accomplished by Operations.
4. Modify post maintenance test sheets to require equipment identification by component number and noun name.
5. Organize post maintenance test sheets in EOOS Book such that post maintenance test requirements prior to mode change is clearly indicated.

Implementation of the above recommendation will simplify and reduce the administrative workload for Control Room personnel and thereby eliminate an unnecessary distraction from Plant operations.

Completed By: P. L. Fincher  
MOS Observer

Date: 11-20-87

Reviewed By: *Richard D. McNeely*  
Operations Superintendent - Nuclear

Date: 11-20-87

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11/19-20/87



## Management-on-Shift (MOS)

ACRONYMS

AEO	Auxiliary Equipment Operator
AFW	Auxiliary Feedwater
ANPO	Assistant Nuclear Plant Operator
APSN	Assistant Plant Supervisor Nuclear
ASP	Administrative Site Procedure
CCW	Component Cooling Water
CP	Charging Pump
DG	Diesel Generator
DC	Direct Current
ΔP or DP	Differential Pressure
EDG	Emergency Diesel Generator
ERT	Event Response Team
EW	East-West
FCV	Flow Control Valve
FPL	Florida Power and Light Company
FSAR	Final Safety Analysis Report
GEMS	Generating Equipment Management Systems
GPM	Gallons Per Minute
HHSI	High Head Safety Injection
HX	Heat Exchanger
IAW	In Accordance With
ICW	Intake Cooling Water
ICWP	Intake Cooling Water Pump
IST	Inservice Testing
LCV	Level Control Valve
MOS	Management on Shift
NAB	Nuclear Administration Building
NAWAS	National Warning System (Emergency Planning)
NCR	Non-Conformance Report
NO	Nuclear Operator
NPO	Nuclear Plant Operator
NPS	Nuclear Plant Supervisor
NRC	Nuclear Regulatory Commission
NS	North-South
NWE	Nuclear Watch Engineer



Management-on-Shift (MOS)

ACRONYMS

Continued

OMS	Overpressure Mitigating System
ONOP	Off Normal Operating Procedure
OOS	Out-of-Service
OTSC	On The Spot Change
PORV	Power Operated Relief Valve
PPM	Parts Per Million
PRZ	Pressurizer
PUP	Procedure Upgrade Program
PWO	Plant Work Order
QSPDS	Qualified Safety Parameter Display System
RCA	Radiation Control Area
RCO	Reactor Control Operator
RCP	Reactor Coolant Pump
RCS	Reactor Coolant System
RHR	Residual Heat Removal
RTD	Resistance Temperature Device
RV	Reactor Vessel
SAS	Safety Assessment System
S/G	Steam Generator
SNOW	Short Notice Outage Work
SNPO	Senior Nuclear Plant Operator
STA	Shift Technical Advisor
TSA	Temporary System Alteration
TP	Temporary Procedure
W	Westinghouse Corporation

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MOS DAILY REPORT

To: Operations Superintendent - Nuclear

Date: 11-20-87

From: Russell Gouldy  
(MOS Observer)

Shift: ☒ Day  
☐ Night

A. Plant evolutions observed

- 7:00 A.M. planning meeting
- Placing Unit 4 spent fuel pool demineralizers in service.
- Reviewed NO's logs and readings against actual plant parameters. Readings were accurate.
- 1:00 P.M. planning meeting.
- End-of-shift meeting.
- Start-of-shift meeting and INPO exit briefing by OPS Supervisor.

B. Immediate safety problems

None

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11/20/87

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MOS DAILY REPORT

C. Questionable work practices

The numerous times it takes to pack and re-pack PORV block valve  
MOV-4-356.

D. Actions taken

None





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**MOS DAILY REPORT**

**E. Strengths**

- Good communications between Operations and Maintenance personnel to define shift objectives that were discussed at the 1:00 P.M. planning meeting.

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

- As noted in Section C of this report there seems to be a breakdown in Maintenance, QC or Supervision. This rework (approximately 3 weeks) has cycled Startup, HP and Operations personnel.



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**MOS DAILY REPORT**

**G. Recommendations**

- Provide a written summary of the MOV-4-536 repack to Maintenance and Operations.
  1. Give sequence of events
  2. Root causes
  3. Corrective actions

This will eliminate the misinformation or rumors on the event and would also help prevent similar occurrences.

Completed By: Russell Gouldy  
MOS Observer

Date: 11-20-87

Reviewed By: Richard L. Wanda  
Operations Superintendent - Nuclear

Date: 11-23-87

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11/23/87

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11/20/87





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MOS DAILY REPORT

C. Questionable work practices  
None observed

D. Actions taken  
None

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★/JWG/dj/sr/dj

11/20-21/87

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**MOS DAILY REPORT**

**E. Strengths**

An operator released a clearance prior to having all the required paperwork on hand based on a telephone conversation with a field operator. This was brought to the attention of the PSN who, after consulting with his APSN as to the best way to handle this, proceeded to counsel the people involved and mentioned it in the de-briefing meeting as a questionable work practice. He reiterated the importance to follow the clearance procedure and the consequences of not doing so. Prompt corrective, disciplinary and informative action was taken by the PSN without pointing fingers or embarrassing people. Animosity between operators was immediately resolved by encouraging open discussions.

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

After repairing the CCW surge tank line on Unit 4, preparations were made to remove the plug from the CCW surge tank and subsequently fill the repaired piping. The PSN, NWE, Construction Supervisor, RCO got together and discussed several alternatives to pursue. The PSN decided on the most conservative alternative and gave verbal instructions to the Construction Supervisor, NWE and RCO on what to do to perform this evolution. One of the things the Construction Supervisor had to do was contact Health Physics to ensure that the plan was okay with them. Calculations were made as to how far the level in the CCW surge tank would drop (approximately 3 inches). The NWE got with the SNPO (NO) and RCO and tried raising the level in the tank to get a feeling on how far to open the fill valve, etc. The evolution was performed and the level in the CCW tank dropped exactly 3 inches. Everything went very smoothly, however, this evolution pointed out several weaknesses:

1. No procedure was used to do an evolution on an inservice piece of safety related equipment requiring several hand held radios.
2. NCR disposition does not require a procedure or process sheets to be done. NCR are not normally reviewed by plant people (Operations, Maintenance, Technical, HP, etc.).
3. Operating without a procedure, guideline, or plan has caused us to make mistakes in the past (i.e. N<sub>2</sub> intrusion in boric acid system).
4. Guidelines provided in O-ADM-207 "Operations instructions in the event of a situation not addressed by procedures" were not followed.

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MOS DAILY REPORT

G. Recommendations

- When encountered with a situation not in a current procedure, operators should, at the very minimum, use the guidelines provided in O-ADM-207.
- RCOs shall ensure that all clearance paperwork is returned and accounted for in accordance with AP 103.4 before returning the equipment to service.
- Coordination of work in the control room should be improved so that you don't have the carpet shampooed one day and relamp the control room the next day putting dust and debris on the control boards and the floor. In addition, the steam cleaning machine utilized to shampoo the carpet is extremely noisy and very annoying to the operators who can't hear the annunciator alarms. An alternate method should be employed to clean the carpet.

Completed By: J. C. Balaguero  
MOS Observer

Date: 11-21-87

Reviewed By: Richard H. Wende  
Operations Superintendent- Nuclear

Date: 11-23-87

JHG  
11/23/87

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### MOS DAILY REPORT

#### C. Questionable work practices

1. Significant work delay in working a P.M. on FI-4-630. I&C was waiting at jobsite for the system to draindown after isolation. Continuous draindown due to isolation valve leak was not reported to Operations. The conditions were only brought to light when the PSN began seeking status information on the job as preparation for RCP pump run. As soon as added isolation was provided, the leakage stopped.
2. Inadequate work description on a PWO for cleaning submerged debris from the top of the fuel in the spent fuel pit. No method was specified for the job. This resulted in the job being delayed significantly and support personnel being called at home.
3. Review of control room shift turnover sheets revealed 14 sheets not properly filled out (11/26-20/87).

#### D. Actions taken

- Discussed shift turnover requirements and deficiencies found with PSN/APSN (peak and mid).
- Discussed shift turnover requirements with all shift personnel (peak shift debrief and mid shift pre-briefing). Pointed out to all that shift turnover is a procedurally controlled activity and as such deserves the same amount of attention to detail as any other procedure.



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### MOS DAILY REPORT

#### E. Strengths

The PSN/PSN on this shift continually demonstrate an aggressive approach to resolving problems which stand in the way of operation evolutions. They actively seek ways to help clear up work delays to ensure accomplishment of shift objectives

The Mechanical Maintenance Supervisor on this shift has demonstrated an excellent level of accountability for getting his job done. He actively pursued to resolve a problem preventing completion of a PWO.

#### F. Area(s) for improvement

1. I&C personnel should be more accountable for seeking resolution to problems which stand in the way of completing assigned work activities. (See C.1)
2. Improvements in the level of detail provided to Maintenance personnel on PWO's for special jobs involving work with or around spent fuel. Special methods, equipment and precautions should be specified. Such jobs should be more clearly evaluated and scoped so that such information may be provided. (see C.2)
3. More attention to detail is needed on the part of Control Room personnel in the area of adherence to shift turnover procedures. (See C.3).

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**MOS DAILY REPORT**

**G. Recommendations**

1. Provide Operations personnel with examples of proper and improper ways to fill out shift turnover sheets.
2. Encourage Maintenance personnel to be more accountable for seeking resolution to problems which prevent or delay work activities from being completed.
3. Provide feedback to job planners when inadequate work order instructions, specifications of equipment or precautions create problems in completing the jobs.

Completed By: P. L. Fincher  
*MOS Observer*

Date: 11-21-87

Reviewed By: *Richard J. Hende*  
*Operations Superintendent - Nuclear*

Date: 11-23-87

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*11/23/87*

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## MOS DAILY REPORT

To: Operations Superintendent - Nuclear

Date: 11-21-87

From: Russell Gouldy  
(MOS Observer)

Shift: ☒ Day  
☐ Night

### A. Plant evolutions observed

- End-of-night-shift meeting.
- 7:00 A.M. planning meeting.
- Preps and starting of 4B reactor coolant pump per 4-OP-041.1, Reactor Coolant Pump.
- At 10:30 A.M., Unit 4 had a significant event when the 4B CCW pump auto-started when the 4C CCW pump was valved in, Administrative Procedure 0103.12 was performed which notifies the Operations and NRC staff.
- Reviewed NO logs and compared them to actual plant parameters for accuracy and completeness.
- 1:00 P.M. planning meeting.
- Unit 4 depressurization and start of draining to mid-nozzle to repair leak at seal table.

### B. Immediate safety problems

- Auto-start of 4B CCW pump
  - 1) Unit in a cold shutdown condition (Mode 5).
  - 2) No plant transient for this mode.





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C. Questionable work practices  
None

D. Actions taken  
None required

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**E. Strengths**

- With all departments moving and working toward heatup and startup, notification that seal table leak was non-isolatable and required cooldown, RCP shutdown, depressurization, and draining to mid-nozzle did not create a negative attitude at the shift turnover meeting.

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

- No specific area



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G. Recommendations

- We should review with the NRC the start of the CCW pump while in this condition (Mode 5) to determine if this is really what the NRC considers a significant event.
- According to 10 CFR it meets the criteria, however, in this mode, no transient or loss of function occurs.

BENEFIT

If modes were applied to the regulation, the NRC staff and corporate staff would not be required to perform functions and notifications for "non-events". This would help eliminate the "cry wolf" notifications.

Completed By: Russell Gouldy  
MOS Observer

Date: 11-21-87

Reviewed By: Richard L. Woods  
Operations Superintendent - Nuclear

Date: 11-23-87

*RG*  
11/23/87

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**MOS DAILY REPORT**

To: Operations Superintendent - Nuclear

Date: 11/21-22/87

From: J. C. Balaguero  
(MOS Observer)

Shift: ☐ Day  
☒ Night

A. Plant evolutions observed

- Normal operations in Mode 5.
- Shift meetings
- Reviewed clearances and clearance procedure (AP-103.4)
- Reviewed control room inaccessibility procedure (O-ONOP-103).
- Use of safety equipment.

B. Immediate safety problems

None

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MOS DAILY REPORT

C. Questionable work practices

Breaker 3P08 No. 19 has tripped now 3 additional times since first reported by me on November 19, 1987 MOS report. Different shifts handle it differently with very little regard as to root cause and even reportability considerations by some shifts. This last time the breaker could not be reset so an investigation is in progress. The annunciator list ONOP is seldom looked at when unusual set of targets come in.

This condition could be very serious at power and therefore should be corrected before heatup.

D. Actions taken

Informed the PSN in accordance with O-ADM-019 and O-ADM-913.





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**MOS DAILY REPORT**

E.       Strengths  
          None

F.       Area(s) for improvement  
          None

JCB/md  
★JWG/dj/sr/dj

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**MOS DAILY REPORT**

**G. Recommendations**

- RCO should be required to maintain a "Red Badge". If circumstances prohibits this, a Blue Badge RCO should not be allowed to operate Unit 4 since he will have to enter the Radiation Controlled Area in the event of Control Room inaccessibility as per O-ONOP-103.
- Hearing protection required signs should be removed and/or covered when both units are in Mode 5 or 6.
- Operators shall be required to consult ONOP annunciator list and assist in a root cause investigation every time an unusual set of annunciators come in.
- Operators think, and I agree, that the current Plan of the Day is getting too voluminous to be of use. Two pages of important items should be the maximum if we expect people to use it effectively.
- Advise the people in the 7:00 and 13:00 meetings to speak up so that everyone can hear them thus improving communications.

Completed By: J. C. Balaguero  
MOS Observer

Date: 11-22-87

Reviewed By: Richard J. Wendt  
Operations Superintendent - Nuclear

Date: 11-23-87

*JCB*  
11/23/87

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**MOS DAILY REPORT**

To: Operations Superintendent - Nuclear

Date: 11/21-22/87

From: P. L. Fincher  
(MOS Observer)

Shift: ☐ Day  
☒ Night

A. Plant evolutions observed

- Shift turnover.
- Reviewed shift turnover checklists.
- Shift briefing.
- Reviewed proposed new "shift turnover checksheets".
- Startup of 4A "condensate pump".
- Routine shift operations.

B. Immediate safety problems

None

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C. Questionable work practices

None

D. Actions taken

- Discussed new proposed shift turnover sheets with Control Room Operators.
- Discussed reasons for having turnover sheets and the types of things/data which should be included.
- The Operators have some good ideas in this area. The Operators were encouraged to provide input to PUP for possible inclusion in the new sheets.

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MOS DAILY REPORT

E. Strengths  
None

F. Area(s) for improvement  
None



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MOS DAILY REPORT

G. Recommendations

Management should use the suggestions of the Operators concerning the new shift turnover sheets. These are the people who must use the sheets. They have the best feel for what data will be the most useful for enhancing shift turnover effectiveness.

Completed By: P. L. Fincher  
MOS Observer

Date: 11-22-87

Reviewed By: Richard L. Wendt  
Operations Superintendent - Nuclear

Date: 11-23-87

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11/23/87

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MOS DAILY REPORT

To: Operations Superintendent - Nuclear

Date: 11-22-87

From: Russell Gouldy  
(MOS Observer)

Shift: ☒ Day  
☐ Night

A. Plant evolutions observed

- End-of-night-shift meeting.
- 7:00 A.M. planning meeting.
- Draining to mid-nozzle utilizing 4-OP-41.7.
- End of shift meeting.
- Start of shift meeting.
- Spent fuel pit inlet and exhaust damper operability test utilizing 4-OSP-034.1.

B. Immediate safety problems

None



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MOS DAILY REPORT

C. Questionable work practices

None

D. Actions taken

None required



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**MOS DAILY REPORT**

**E. Strengths**

- These shifts were pre-planning the clearances that needed to be cleared up in order to fill and vent.

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

- Surveillances on IST valves has a process that does not assure all valves are tested prior to required mode changes and have been the subject or recent LERs.
- Completed week long review of surveillance testing which as a new process to control test intervals and requirements. This process has reduced missed surveillances to 6 of the 100,000 required annually. This process is cumbersome and could be placed on a data base to reduce the paper trail problems.
- Completed week long review of start-ups outside the axial target band. I recommend briefing the Operators on the start-up process and ramp rates prior to startup and provide feedback following start-ups.

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MOS DAILY REPORT

G. Recommendations

- Form a QIP team to address IST valves and the method to track their testing requirements.
- See attached reports for other recommendations concerning test surveillance and axial flux control on start-up.

Completed By: Russell Gouldy  
MOS Observer

Date: 11-22-87

Reviewed By:   
Operations Superintendent - Nuclear

Date: 11-23-87

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**MOS DAILY REPORT**

To: Operations Superintendent - Nuclear

Date: 11/22-23/87

From: J. C. Strong Jr.  
(MOS Observer)

Shift: ☐ Day  
☒ Night

A. Plant evolutions observed

1. Performance of TP-402.
2. End-of-Shift briefing.
3. Shift turnover.
4. Performance of OP-64 (Filling Accumulators and Pressurizing with N<sub>2</sub>).
5. Beginning of shift briefing.
6. Performance of 4-OSP-59.2 (Intermediate Range Channel Check).

B. Immediate safety problems

None





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**MOS DAILY REPORT**

C. Questionable work practices  
None

D. Actions taken  
None

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MOS DAILY REPORT

E. Strengths

1. Mid shift briefing - APSN conducted a well structured and informative shift briefing. Both units status was gone over, Maintenance activities discussed, shift expectations given out and prioritized.
2. Communications between Reactor Operator, PSN, NWE, and APSN - during the performance of OP-64 constant communication between watch standers was observed.

F. Area(s) for improvement

1. Housekeeping behind the vertical panels.
  - a. Boxes, ladders, cleaning gear in various places.
2. Ceiling tiles and framework have been removed. Light fixtures aren't adequately mounted. It looks like new light fixtures are being installed. This should be verified and expedited along with a new ceiling installation.

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G. Recommendations

None

Completed By: J. C. Strong Jr.  
MOS Observer

Date: 11-23-87

Reviewed By: Richard J. Mende  
Operations Superintendent - Nuclear

Date: 11-23-87

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★/JWG/dj/sr/dj

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**MOS DAILY REPORT**

To: Operations Superintendent - Nuclear

Date: 11/22-23/87

From: P. L. Fincher  
(MOS Observer)

Shift: ☐ Day  
☒ Night

A. Plant evolutions observed

- Shift turnover.
- Shift briefing.
- Conduct of TOP-402/OTSC-5580 to OP-064.
- Reviewed TOP-402.
- Reviewed 4-OP-064 as modified by OTSC-5580.
- Reviewed AP-0109.3.

B. Immediate safety problems

None

PLF/md  
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11/22-23/87

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MOS DAILY REPORT

C. Questionable work practices

1. Temporary Procedures are routinely approved and issued for Operator use in hand written form. OTSC's, even those which are pre-PNSC approved with sufficient time for typing, are frequently issued in difficult to follow handwritten form (TP-402/4-OP-064 with OTSC 5580).
2. Use of the OTSC process to modify plant operating procedures for test purposes. AP-0109.3 states in Section 4.3, "OTSC's should not be used to modify a procedure for test purposes. Instead, a Temporary Procedure should be generated and approved for one time utilization". Contrary to the above, OTSC 5551 was written to 4-OP-064 in support of one time utilization of TOP-402. Also OTSC 5580.

D. Actions taken

None



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**MOS DAILY REPORT**

E. Strengths  
None

F. Area(s) for improvement

- Reduce widespread use of handwritten procedures.
- Improve the quality of Temporary Procedures and OTSC procedures given to Operators for implementation.
- The Control Room Xerox copier is not adequately maintained such that clear legible copies of procedures can be generated for routine plant operations.





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**MOS DAILY REPORT**

**G. Recommendations**

1. Discontinue the use of handwritten procedures except when absolutely necessary based on time constraints. And further, if implementation of the procedure is delayed make appropriate efforts to get the procedure typed prior to actual implementation.
2. Ensure that appropriate personnel are aware of and comply with AP-0109.3 Section 4.3.
3. Place an appropriate priority on maintaining the Control Room copier in an operable condition.

Completed By: P. L. Fincher  
MOS Observer

Date: 11-23-87

Reviewed By: Richard L. Wende  
Operations Superintendent- Nuclear

Date: 11-23-87

*PLF*  
11/23/87

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