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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

SUBJECT: Forwards mgt on shift weekly rept per NRC order dtd 871119.
 Plant supervisor-nuclear shift, repts also encl.

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 TITLE: Turkey Point Management Onshift Program

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SEPTEMBER 21 1988

L-88-425

9:50

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

Dear Dr. Grace:

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

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

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

Very truly yours,

W. F. Conway
Senior Vice President - Nuclear

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

mos001

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MANAGEMENT ON SHIFT (MOS)

WEEKLY SUMMARY REPORT

WEEK STARTING: 09/16/88

PAGE 1 OF 1

Six MOS Observers were on shift: Richard C. Coulthard, Westinghouse Electric Corporation (09/12-16/88, days); Joseph P. Brannin, Senior Engineer, Nuclear Licensing, Juno Beach (09/12-16/88, nights); David Powell, Operating Experience Feedback Coordinator, Juno Beach (09/09-11/88, days); James E. Jones, Westinghouse Electric Corporation (09/09-12/88, nights); Virgil B. Wager, Procedure Upgrade Program Supervisor, Turkey Point Nuclear Plant (09/12-16/88, nights); and Wallace R. Williams, Jr., Assistant Superintendent, Planned Maintenance, Turkey Point Nuclear Plant (09/09-12/88, nights).

Units 3 and 4 operated in Mode 1 for the duration of the reporting period.

No immediate safety problems were noted by any observer during the reporting period.

The independent observers did not note any questionable work practices. They did note eight areas for improvement, as follows:

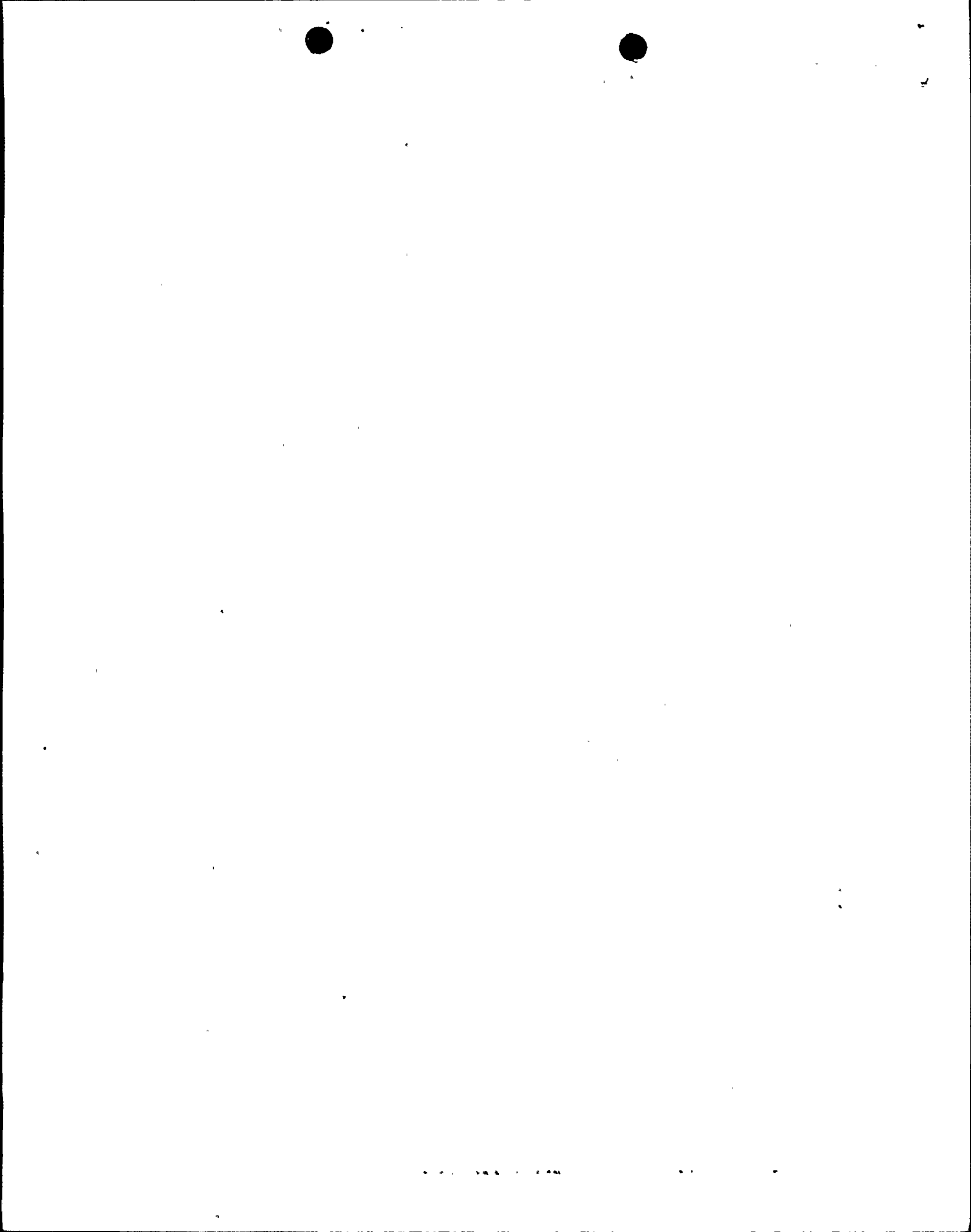
- Three items on procedures
- Two items on operator aids
- One item on inadequate communication
- One item on a strip chart scale
- One item updating a previous MOS observation on rain leakage

The Turkey Point observers noted one questionable work practice regarding insufficient corrective action on the spent fuel pit cooling pump vent valve. They also noted three areas for improvement, as follows:

- Two items on inadequate work controls
- One item on use of jumpers while testing

No questionable work practices were noted by the Plant Supervisors-Nuclear. They did note one area for improvement regarding late requests for fire protection impairments.

ATTACHMENT: MOS DAILY REPORTS



Date 09/09/88

Shift Report

Shift Mids

Shift Management

Salkeld APSN Guyer NWE Eddinger

A. Questionable Work Practices/Actions Taken/Recommendations

None

B. Areas for Improvement/Recommendations/Actions Taken

None

C. Good Practices/Professionalism Observed

Routine operations

Reviewed By R.W. Pease Date 9/12/88

Date 09/09/88

Shift Report

Shift _____ Days _____

Shift Management

Anderson APSN

Guyer/Singer

NWE

Newton/
Fernandez

A. Questionable Work Practices/Actions Taken/Recommendations

None

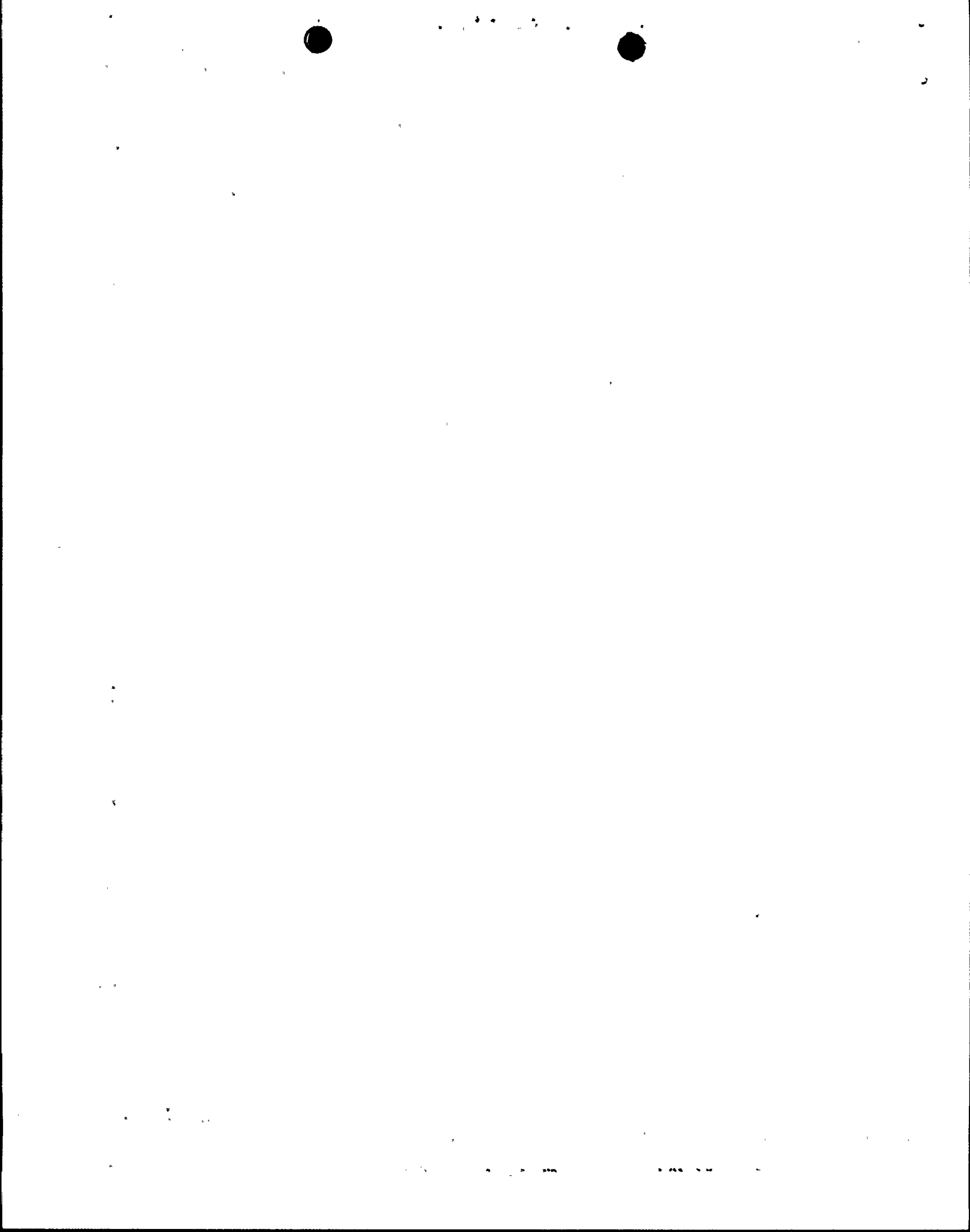
B. Areas for Improvement/Recommendations/Actions Taken

None

C. Good Practices/Professionalism Observed

Routine operations

Reviewed By *L. Pasco* Date 9/12/88



Date 09/09/88

Shift Report

Shift _____ Peaks _____

Shift Management

I Wogan APSN Singer NWE Vetromile

A. Questionable Work Practices/Actions Taken/Recommendations

None

B. Areas for Improvement/Recommendations/Actions Taken

Operations was requested to generate 3 Fire Protection Impairments (FPI). These FPIs were required 3 days earlier. Operations complied and there were fire watches all along so no other violations occurred other than procedure non-compliance. Recommend the supervisor in charge take accountability prior to non-compliance. These FPIs involved sheet metal workers and iron workers at the Unit 3 4160 Vac switchgear doors and 480 volt load center doors.

C. Good Practices/Professionalism Observed

Routine operations

Reviewed By

L.W. Pearce

Date

9/12/88

To: Operations Superintendent - Nuclear

Date: 09/09/88

From: David Powell
(MOS Observer)

Shift: Day
 Night

A. Plant Evolutions Observed

- o Normal plant operations
- o Units 3 and 4 at 100% power
- o Plant tours
- o 4A Intake Cooling (ICW)/Component Cooling Water (CW) Heat exchanger tube inspection
- o Routine surveillances

B. Immediate Safety Problems

None noted

C. Questionable Work Practices

None noted

D. Areas for Improvement

None

E. Professionalism, Summary of Shift, Comments

Shift turnovers were thorough and conducted well. Operations were smooth throughout the day.

Completed By: David Powell
MOS Observer

Date: 09/09/88

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

Date: 9/12/88

Management Review By:

<i>[Signature]</i>	19/12/88	<i>[Signature]</i>	9/12/88	<i>[Signature]</i>	9/12/88
PM-N	Date	SVP	Date	VP	Date

09/09/88

: Operations Superintendent - Nuclear

Date: 09/09-10/88From: James Jones
(MOS Observer)Shift: Day
 Night**A. Plant Evolutions Observed**

- Units 3 and 4 at 100% power
- Unit 3 Steam Generator (SG) level periodic
- 3B Circulating Water Pump repair
- B Emergency Diesel Generator (EDG) operability test
- Plant tours
- Routine operations

B. Immediate Safety Problems

None

C. Questionable Work Practices

None

D. Areas for Improvement

If the primary containment temperature elements used to satisfy 0-ADM-021, section 3.6.1.5, were to fail and the backup containment temperatures were needed, the recorder strip charts on both units 3 and 4 indicate that the average of the three backup containment temperatures is greater than 120° F, which is the limit. However the actual containment temperature according to the recorder scale indicates less than 120° F. As a result of this:

- 88-2277
- a. Recommend a night order book entry or other means ensuring operators use the recorder scale and not the strip chart points when reading the backup containment temperatures or any recorder for that matter.
 - b. Could investigate having the strip chart scaling match the recorder scaling so the printed temperature is not higher than actual temperature. Joe Guyer and Pat Salkeld are both aware of the problem should further questions arise. PSN sent a memorandum for acquiring properly scaled paper.



E. Professionalism, Summary of Shift, Comments

Peak shift I&C Supervisor uses a good practice during I&C testing by independent verifying the proper switch, etc., prior to it's actual use.

Completed By: James Jones Date: 09/09-10/88
MOS Observer

Reviewed By: [Signature] Date: 9/12/88
Operations Superintendent- Nuclear

Management Review By: [Signature] 9/12/88 [Signature] 9/12/88
P.M.-N Date SVR Date VP Date

To: Operations Superintendent - Nuclear

Date: 09/09-10/88

From: W. R. Williams, Jr.
(MOS Observer)

Shift: Day
 Night

A. Plant Evolutions Observed

- Both units full power operation
- Bumping of 3B1 CWP
- Turbine oil pump test
- Start of Unit 3 Steam Generator (SG) periodic

B. Immediate Safety Problems

None

C. Questionable Work Practices

None

D. Areas for Improvement

None

E. Professionalism, Summary of Shift, Comments

Well-run shifts - peak shift observed the 3B Heater Drain Motor bottom bearing temperature starting to reach the alarm point again. This appears to be due to the high ambient temperature. Operations had Maintenance install an air mover which dropped the lower bearing temperature about 15° F.

When the 3B1 Circulating Water Pump (CWP) motor was bumped for rotation check, it could not be stopped until the 90 second timer in the stop circuit timed-out. Until it was realized that this was what had happened the level of concern was quite high. The 90 second delay is to allow the discharge Motor Operated Valve (MOV) to almost close prior to stopping the pump. But, for a bump, a second jumper (in addition to the one to start the motor in this situation) is needed to allow for immediate control of power to the motor. The crew working this job is giving feedback to their planning group to make this a part of future work packages.

The midshift operators did a good job of re-establishing Unit 4 after the turbine oil pump test. The unit had lost about 15 megawatts and was swinging load.

The midshift PSN did a review of the steam generator level periodic procedure with the RCO and I&C personnel prior to starting the test.

Talked with the Electrical and Mechanical foremen about tying-off the pump coupling prior to the motor bump. This was due to pump coupling several years ago rotating up into the motor coupling during a bump.

Completed By: W. R. Williams, Jr.
MOS Observer

Date: 09/09-10/88

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

Date: 9/12/88

Management Review By: *Jec* 19/12/88
PM-N Date

MD 19/12/88
SVB Date

VP 19/12/88
VP Date

09/09-10/88



Date 09/10/88

Shift Report

Shift _____ Mids _____

Shift Management

Salkeld

APSN

Guyer

NWE

Eddinger

A. Questionable Work Practices/Actions Taken/Recommendations

None

B. Areas for Improvement/Recommendations/Actions Taken

None

C. Good Practices/Professionalism Observed

Routine operations

Reviewed By

Lawrence

Date

9/13/88

Date 09/10/88

Shift Report

Shift _____ Peaks _____

Shift Management

Wogan

APSN

Singer

NWE

Vetromile

A. Questionable Work Practices/Actions Taken/Recommendations

None

B. Areas for Improvement/Recommendations/Actions Taken

None

C. Good Practices/Professionalism Observed

Units 3 and 4 at 100% power

Reviewed By *R.W. Pearce*

Date *9/12/88*



To: Operations Superintendent - Nuclear

Date: 09/10/88

From: David Powell
(MOS Observer)

Shift: Day
 Night

A. Plant Evolutions Observed

- o Normal plant operations
- o Units 3 and 4 at 100% steady state power
- o Plant tours
- o Emergency Diesel Generator (EDG) draining/filling - testing
- o Steam Generator (SG) Taverage - troubleshooting

B. Immediate Safety Problems

None

C. Questionable Work Practices

None

D. Areas for Improvement

None

E. Professionalism, Summary of Shift, Comments

Well conducted shift turnovers and pre-shift briefings. Very quiet shift. no major problems experienced during the day. EDG engineer was on site - he did very well coordinating the diesel work.

Completed By: David R. Powell
MOS Observer

Date: 09/10/88

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

Date: 9/12/88

Management Review By:

<i>[Signature]</i>	19/12/88	<i>[Signature]</i>	19/12/88	<i>[Signature]</i>	19/12/88
PM-N	Date	SVP	Date	VP	Date

To: Operations Superintendent - Nuclear

Date: 09/10-11/88

From: James Jones
(MOS Observer)Shift: Day
 Night

A. Plant Evolutions Observed

- Units 3 and 4 at 100% power
- A Emergency Diesel Generator (EDG) cleaning and flush
- B Emergency Diesel Generator (EDG) operability test
- PT-446 first stage impulse pressure troubleshooting
- Valve exercising procedure OSP-0209.1

B. Immediate Safety Problems

None

C. Questionable Work Practices

None

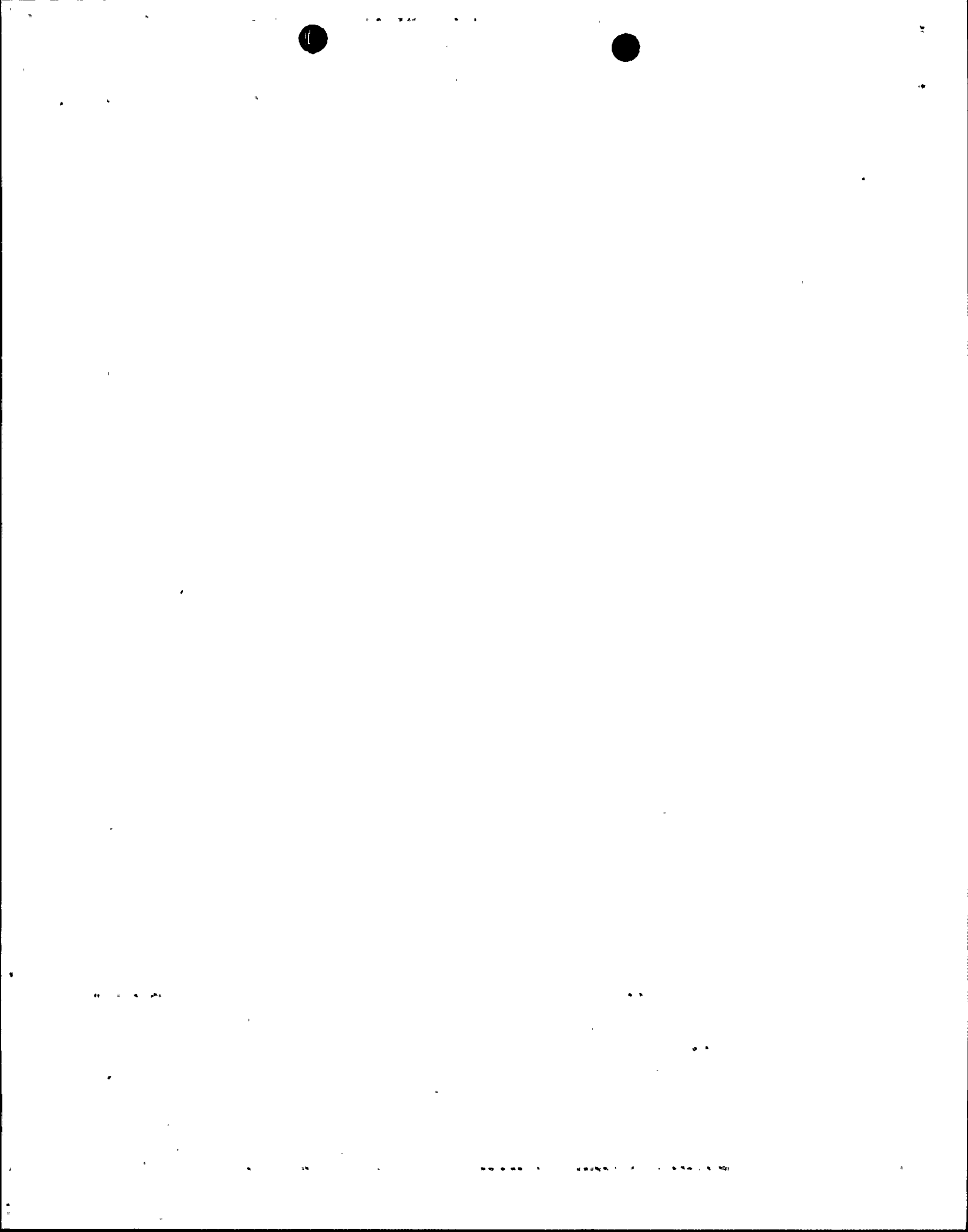
D. Areas for Improvement

During the performance of OSP-0209.1, the valve exercising procedure two points were noticed.

1. When this procedure comes up for it's scheduled review and rewrite the As Left/Required Position column should be changed to the appendices for critical valves to ensure they are repositioned to their normal system alignment for the existing plant condition after the valve stroking is completed. Ex.- List only open or closed not both for critical valves.

Valves that may be in either position (sampling, etc.) depending on plant conditions can still have both open and closed. An asterik with a note could be used, marking valves that could be in another position (open or closed) if plant conditions are different from expected when the valve exercise is done.

2. The "fail-safe" column according to the procedure was confusing to the operator in that simply stroking the valve did not verify the fail safe position, but only that the valve would work.



E. Professionalism, Summary of Shift, Comments

A placard was found on both units 3 and 4 in process control rack no. 28 which said, power mismatch defeat switch-leave in the off position. this switch is the defeat switch for N-44 input to rod control. The switch was found in the "on" position and should be for auto rod control. The PSN was notified, he had the placards removed and requested new ones with the proper labeling.

Completed By: James Jones Date: 09/10-11/88
MOS Observer

Reviewed By: [Signature] Date: 9/12/88
Operations Superintendent- Nuclear

Management Review By: [Signature] 9/12/88 [Signature] 9/12/88
PM-N Date: SVR Date VP Date



To: Operations Superintendent - Nuclear

Date: 09/10-11/88

From: W. R. Williams Jr.
(MOS Observer)

Shift: Day
 Night

A. Plant Evolutions Observed

- o Both unit full power operation
- o "A" Diesel runs for chemical flushing
- o Toured Auxiliary Feed Water (AFW) area
- o Draining of cleaning acid from "A" Diesel

B. Immediate Safety Problems

None

C. Questionable Work Practices

None

D. Areas for Improvement

None

E. Professionalism, Summary of Shift, Comments

While watching draining of cleaning acid from "A" diesel, noticed that the personnel draining acid were not using any protective equipment. Talked with the foreman, he was not aware of any requirement. Review of the label on the chemical container required goggles or face shield and rubber gloves; showed this to the foreman who was at the job site; he immediately stopped the job to obtain the proper protective equipment. He obtained enough equipment for all working in the area. Also the foreman was making provisions to have this identified and in place for when B" diesel is done.

Other than this it was a quiet, efficiently run shift.

Completed By: W. R. Williams, Jr.
MOS Observer

Date: 09/10-11/88

Reviewed By: [Signature]
Operations Superintendent - Nuclear

Date: 9/12/88

Management Review By:

[Signature] 19/12/88 [Signature] 19/12/88 [Signature] 19/12/88
PM-N Date SVP Date VP Date



Date 09/11/88

Shift Report

Shift _____ Days _____

Shift Management

Anderson APSN Guyer/Singer NWE Spence

A. Questionable Work Practices/Actions Taken/Recommendations

None

B. Areas for Improvement/Recommendations/Actions Taken

None

C. Good Practices/Professionalism Observed

Routine operations

Reviewed By L.W. Parie Date 9/12/88

Date 09/11/88

Shift Report

Shift Mids

Shift Management

PSN Salkeld APSN Guyer NWE Eddinger

A. Questionable Work Practices/Actions Taken/Recommendations

None

B. Areas for Improvement/Recommendations/Actions Taken

None

C. Good Practices/Professionalism Observed

Routine operations

Reviewed By *L. Puccio*

Date 9/13/80

To: Operations Superintendent - Nuclear

Date: 09/11/88

From: David Powell
(MOS Observer)

Shift: Day
 Night

A. Plant Evolutions Observed

- o Normal plant operations - Units 3 and 4 at 100% power
- o Loop C - control Tave
- o Rod Position Indication (RPI) axial flux deviation
- o Plant tours

B. Immediate Safety Problems

None

C. Questionable Work Practices

None

D. Areas for Improvement

None

E. Professionalism, Summary of Shift, Comments

Shift turnovers were thorough and conducted well. The diesel work effort has been going smoothly although the water pump change out has caused an adjustment to the schedule.

Completed By: David Powell
MOS Observer

Date: 09/11/88

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

Date: 9/12/88

Management Review By:

<i>[Signature]</i>	19/12/88	<i>[Signature]</i>	19/12/88	<i>[Signature]</i>	19/12/88
PM-N	Date	SVP	Date	VP	Date

09/11/88

To: Operations Superintendent - Nuclear

Date: 09/11-12/88

From: James Jones
(MOS Observer)Shift: Day
 Night

A. Plant Evolutions Observed

- Units 3 and 4 at 100% power
- Rod Position Indication (RPI) test - 4 PMI-028.2
- Radiation Control Area (RCA) tour
- Plant tours
- "A" Emergency Diesel Generator (EDG) Nalcol 2000 chemical addition to coolant

B. Immediate Safety Problems

None

C. Questionable Work practices

None

D. Areas for Improvement

Upon further investigation of where the water is coming from that is leaking into Unit 3 charging pump room, Health Physics informed me it is from a joint between the wall and floor. See CTRAC #88-1359 and work request #WA880707132715 - ~~attached~~.

The work order needs to be corrected to fix the leak between the floor and wall at the joint and not from the roof.

E. Professionalism, Summary of Shift, Comments

The number of OTSCs has definitely been reduced over the past year, but even so over the last 4 months approximately 200 OTSCs have been written. The review process in effect is not preventing unworkable procedures from getting on the street. If it was not for the Turkey Point personnel using the procedures, catching the problem spots, errors costly to the plant could occur and may in the future.

Realizing the PUP group cutback and the tremendous effort to support the entire Turkey Point staff in writing procedures, a thorough review by the appropriate group discipline is important. (Prior to in-plant use).

A thorough procedure review by the appropriate discipline in the long run will save time and money since on shift personnel will not need to waste plant time and research the many OTSCs sometimes written to perform the procedure.

Another OTSC was rewritten tonight on 4-PMI-028.2, the RPI monthly test. One page was completely missing and another page should not have been in the procedure.

The many OTSCs is a reflection of the lack of attention to ensuring procedure errors do not cause a future significant plant problem. Previous MOS items have addressed this item.

Completed By: James Jones
MOS Observer

Date: 09/11-12/88

Reviewed By: [Signature]
Operations Superintendent - Nuclear

Date: 9/12/88

Management Review By:

[Signature] PM-N Date: 9/12/88 [Signature] SVP Date: 9/12/88

09/11-12/88



MOS DAILY REPORT

To: Operations Superintendent - Nuclear

Date: 09/11-12/88

From: W. R. Williams, Jr. (MOS Observer)

Shift: [] Day [x] Night

A. Plant Evolutions Observed

- Both units full power operation
Toured Radiation Control Area (RCA)
"A" Diesel area toured
I&C work Rod Position Indication (RPI) monthly test - 4-PMI-028.2

B. Immediate Safety Problems

None

C. Questionable Work Practices

None

D. Areas for Improvement

None

E. Professionalism, Summary of Shift, Comments

Another quiet, well run shift.

During the mid shift briefing, the NWE reminded everyone that they should walkdown all their areas and where they find problems (such as leaky bonnets, flanges) get PWOs turned in unless one is already turned in. This is needed now because the outage is only a few days away.

I&C had to OTSC procedure 4-PMI-028.2 to delete page 16. This page was to have been deleted on the last change. The change was easy because page 17 was page 16 with the changes incorporated.

The peak shift operations group stopped the work on 4-PMI-028.2 because they were in an action statement and time was running out. A break was taken so everyone could regroup and then the test was continued. A heads-up call by the peak shift RCO.

Completed By: W. R. Williams, Jr. (MOS Observer)

Date: 09/11-12/88

Reviewed By: [Signature] Operations Superintendent - Nuclear

Date: 9/12/88

Management Review By:

[Signatures and dates for Management Review]

To: Operations Superintendent - Nuclear

Date: 09/12-13/88

From: Joseph P. Brannin
(MOS Observer)

Shift: Day
 Night

A. Plant Evolutions Observed

- o Normal operations
- o Shift turnover
- o Shift briefing

B. Immediate Safety Problems

None

C. Questionable Work Practices

None observed

D. Areas for Improvement

Nothing new on this shift.

E. Professionalism, Summary of Shift, Comments

Very quiet shift.

Completed By: Joseph P. Brannin
MOS Observer

Date: 09/12-13/88

Reviewed By: [Signature]
Operations Superintendent - Nuclear

Date: 9/13/88

Management Review By: [Signature] SEC 1 9/13/88 [Signature] SVP JSD 1 9/13/88 [Signature] VP 1 9/13/88

Date 09/12/88

Shift Report

Shift _____ Days _____

Shift Management

PSN Jones/Salkeld APSN Guyer/Haley NWE _____

A. Questionable Work Practices/Actions Taken/Recommendations

None

B. Areas for Improvement/Recommendations/Actions Taken

None

C. Good Practices/Professionalism Observed

Routine operations

Reviewed By

R.W. Kama

Date

9/13/88

Date 09/12/88

Shift Report

Shift _____ Peaks _____

Shift Management

PSN Jones APSN Haley NWE _____

A. Questionable Work Practices/Actions Taken/Recommendations

None

B. Areas for Improvement/Recommendations/Actions Taken

None

C. Good Practices/Professionalism Observed

Routine operations

Reviewed By

SW Pearce

Date

9/13/88

Shift Report

Date 09/12/88

Shift Mids

Shift Management

PSN Salkeld APSN Guyer NWE Eddinger

A. Questionable Work Practices/Actions Taken/Recommendations

None

B. Areas for Improvement/Recommendations/Actions Taken

None

C. Good Practices/Professionalism Observed

Routine operations

Reviewed By *L. Pearce*

Date 9/13/88



To: Operations Superintendent - Nuclear

Date: 09/12/88

From: Craig Mowrey
(MOS Observer)

Shift: Day
 Night

A. Plant Evolutions Observed

- o Both units at 100% power
- o Diesel testing following water pump replacement
- o Unit 3 Power Range N-44 testing

B. Immediate Safety Problems

None

C. Questionable Work Practices

None

D. Areas for Improvement

None

E. Professionslism, Summary of shift, Comments

None

Completed By: Craig Mowrey
MOS Observer

Date: 09/12/88

Reviewed By: [Signature]
Operations Superintendent - Nuclear

Date: 9/13/88

Management Review By: [Signature] 9/13/88
PM-N Date SVP. J30 Date

[Signature] 9/13/88
VP Date



.....

To: Operations Superintendent - Nuclear

Date: 09/12-13/88

From: V. B. Wager
(MOS Observer)

Shift: Day
 Night

A. Plant Evolutions Observed

- o Units 3 and 4 at 100% power
- o Plant tours
- o Routine operations

B. Immediate Safety Problems

None observed

C. Questionable Work Practices

None observed

D. Areas for Improvement

None observed

E. Professionalism, Summary of Shift, Comments

Shifts were conducted in a calm and controlled manner. The turnover meeting was thorough and the Plan of the Day activities were reviewed with all disciplines present.

Completed By: V. B. Wager
MOS Observer

Date: 09/12-13/88

Reviewed By: [Signature]
Operations Superintendent - Nuclear

Date: 9/13/88

Management Review By: [Signature] 9/13/88
PM-N Date SVP [Signature] 9/13/88 Date

[Signature] 9/13/88
VP Date

Date 09/13/88

Shift Report

Shift

Ed Lyons
Days

Shift Management

PSN Salkeld/Jones APSN Guyer/Haley NWE

A. Questionable Work Practices/Actions Taken/Recommendations

None

B. Areas for Improvement/Recommendations/Actions Taken

None

C. Good Practices/Professionalism Observed

Routine operations

Reviewed By

R. W. Peavey

Date

9/14/88



11

Date 09/13/88

Shift Report

Shift _____ Peaks _____

Shift Management

PSN Jones APSN Haley NWE _____

A. Questionable Work Practices/Actions Taken/Recommendations

None

B. Areas for Improvement/Recommendations/Actions Taken

None

C. Good Practices/Professionalism Observed

Routine operations

Reviewed By *S.W. Pearce* Date 9/14/88



0

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Date 09/14/88

Shift Report

Shift Mids

Shift Management

PSN Wogan APSN Singer NWE Vetromile

A. Questionable Work Practices/Actions Taken/Recommendations

None

B. Areas for Improvement/Recommendations/Actions Taken

None

C. Good Practices/Professionalism Observed

Routine operations

Reviewed By

R. W. Pearce

Date

9/15/88

To: Operations Superintendent - Nuclear

Date: 09/13/88

From: Richard Coulthard
(MOS Observer)

Shift: Day
 Night

A. Plant Evolutions Observed

- o Units 3 and 4 at 100% power
- o Conduct of 4 OSP 049.1, Reactor Protection System logic test
- o Start of shift meeting at 1535
- o Topping off of diesel fuel oil storage tank

B. Immediate Safety Problems

None

C. Questionable Work Practices

None

D. Areas for Improvement

None

E. Professionalism, Summary of shift, Comments

1. Fairly quiet shift run in a professional manner.
2. The PSNs/APSNs are now requesting the status of all Plan of the Day Electrical, I&C, and Mechanical work items at the 1535 shift work meeting. Proper turnover and knowledge of the status of work items by back shift maintenance personnel has been the focus of MOS comments and an item in the Enercon report. Although all maintenance groups have not internally resolved how to get this status information to their supervisor at the 1535 meeting, it was encouraging to see the effort underway.

Completed By: Richard Coulthard
MOS Observer

Date: 09/13/88

Reviewed By: [Signature]
Operations Superintendent - Nuclear

Date: 9/15/88

Management Review By: [Signature] / 9/14/88 / [Signature] / 9/14/88 / [Signature] / 9/14/88

PM-N Date SVP Date VP Date



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To: Operations Superintendent - Nuclear

Date: 09/13-14/88

From: Joseph P. Brannin
(MOS Observer)

Shift: Day
 Night

A. Plant Evolutions Observed

- o Shift turnover
- o Shift briefing
- o Receipt and actions concerning the information about the Power Operator Relief Valves opening times as it applies to cold operations

B. Immediate Safety Problems

None

C. Questionable Work Practices

None observed

D. Areas for Improvement

No new ones

E. Professionalism, Summary of Shift, Comments

Routine shift operations, both peak and mids, quiet professional shifts.

Information about PORVs made clear to all personnel.

Completed By: Joseph P. Brannin
MOS Observer

Date: 09/13-14/88

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

Date: 9/14/88

Management Review By: *Dev for Sec* 19/14/88 *Joe* 19/14/88

PM-N

Date

SVP

Date

VP

Date

To: Operations Superintendent - Nuclear

Date: 09/12-13/88

From: V. B. Wager
(MOS Observer)

Shift: Day
 Night

A. Plant Evolutions Observed

- o Both units at 100% power
- o Plant tours
- o Routine operations
- o Significant Event of Unit 4 reported to Nuclear Regulatory Control Operating Center (NRCOC) - Power Operated Relief Valve (PORV) stroke times excessive

B. Immediate Safety Problems

None observed

C. Questionable Work Practices

None observed

D. Areas for Improvement

None observed
No difficulties were encountered during the performance of the shift activities.

E. Professionalism, Summary of Shift, Comments

This was the operating shift's first day on the graveyard schedule. There was good participation at the shift meeting by the attendees from all disciplines to update the operating personnel on the work activities. The APSN did an excellent job of informing the operators about the Significant Event (PORV stroke time) and it's effect on plant operation.

This was a relatively quiet shift.

Completed By: V. B. Wager
MOS Observer

Date: 09/13-14/88

Reviewed By: [Signature]
Operations Superintendent - Nuclear

Date: 9/14/88

Management Review By: [Signature] 9/14/88 : [Signature] 9/14/88

PM-N Date VP Date

Date 09/14/88

Shift Report

Shift Ed Lyons
Peaks

Shift Management

PSN Jones APSN Haley NWE

A. Questionable Work Practices/Actions Taken/Recommendations

None

B. Areas for Improvement/Recommendations/Actions Taken

None

C. Good Practices/Professionalism Observed

Routine operations

Reviewed By _____ Date _____

①

Date 09/15/88

Shift Report

Shift

Ed Lyons
Mids

Shift Management

PSN Wogan APSN Singer NWE Vetromile

A. Questionable Work Practices/Actions Taken/Recommendations

None

B. Areas for Improvement/Recommendations/Actions Taken

None

C. Good Practices/Professionalism Observed

Routine operations

Reviewed By

A.W. Pearce

Date

9/15/88

To: Operations Superintendent - Nuclear

Date: 09/14/88

From: Richard Coulthard
(MOS Observer)Shift: Day
 Night**A. Plant Evolutions Observed**

- Units 3 and 4 at 100% power
- 0715 Plan of the Day meeting
- 1535 shift meeting
- 3/4 OSP 041.1, Reactor Coolant System leak rate
- 4-OSP-075.2, Auxilliary Feedwater Train 2 operability verification.
- 0-OSP-062.2, Safety Injection pumps in-service test

B. Immediate Safety Problems

None

C. Questionable Work Practices

None

D. Areas for Improvement

1. The recently revised (8/26/88) Reactor Coolant System (RCS) leak rate procedure now requires a four hour period for data collection per step 7.1.5. This is in excess of the one or two hour periods most plants use. The Control Room operator can run a shorter test if he has good reason for suspending the test, which was done both on peaks and day shift. It is hard to hold off all things that effect an RCS leak rate for four hours (i.e., sampling; Auxilliary Feed pump testing to Steam Generators, etc.). The two shortened leak rate tests showed similar results (0.07 gpm and 0.06 gpm). It is suggested that the increase in the data collection period be reviewed with a goal of dropping back to two hours.
2. During the shift, the NRC expressed a concern about the consistent utilization of placards on various nitrogen bottles for the Main Steam Isolation Valves (MSIV), Auxilliary Feedwater (AFW), Atmospheric Steam Dump, etc. systems. The use of these loose slipover placards which state information such as in-service, stand by or empty do appear to be inconsistently used at various bottle stations. Some nitrogen bottle stations have no status placards on the bottles. Their use should be reviewed to determine if they are necessary and, if so, ensure they are uniformly used.



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E. Professionalism, Summary of shift, Comments

Busy shift on Unit 4 and quiet shift on Unit 3.

Completed By: Richard Coulthard
MOS Observer

Date: 09/14/88

Reviewed By: Operations Superintendent - Nuclear

Date: _____

Management Review By:

PM-N / Date SVP / Date VP / Date

09/14/88

To: Operations Superintendent - Nuclear

Date: 09/14-15/88

From: V. B. Wager
(MOS Observer)

Shift: Day
 Night

A. Plant Evolutions Observed

- o Both units at 100% power
- o Routine operations
- o OP 11204.1 ARMs monthly periodic test
- o 4-OP-047 Chemical Volume Control System (CVCS) charging and letdown
- o Routine plant tours

B. Immediate Safety Problems

None observed

C. Questionable Work Practices

During the peak shift the 4A Spent Fuel Pit cooling pump was turned over to Operations for a test run. During the lineup and venting of the pump, the operator noticed that valve 4-915A was the same valve that vibrated open and caused the Spent Fuel Pit spill event on August 16, 1988. Also, the vent line had not been capped. It appears that no corrective action has been taken to preclude the event from recurring. Operations established a valve watch on 4-915A for the test run. It is suggested that a DEEP to replace the valve or a TSA to cap the line be expedited. The same action should be extended to include the Unit 3 Spent Fuel Pit pumps, since they have the same configuration as Unit 4.

D. Areas for Improvement

None observed

E. Professionalism, Summary of Shift, Comments

A quiet shift run in a professional manner.

Completed By: V. B. Wager
MOS Observer

Date: 09/14-15/88

Reviewed By: Operations Superintendent - Nuclear

Date:

Management Review By:

PM-N	/	SVP	/	VP	/
Date	Date	Date	Date	Date	Date

4



To: Operations Superintendent - Nuclear

Date: 09/14-15/88

From: Joseph P. Brannin
(MOS Observer)

Shift: Day
 Night

A. Plant Evolutions Observed

- o Shift turnover
- o Shift briefing
- o Toured Radiation Control Area (RCA)

B. Immediate Safety Problems

None

C. Questionable Work Practices

None observed

D. Areas for Improvement

No new ones

E. Professionalism, Summary of Shift, Comments

Comment:

I have read the other MOS report of the Unit 4 Spent Fuel Pit cooling pump and agree with all of his observations and recommendations. I would add that I believe we should have taken corrective action on the vibrating valve or uncapped pipe prior to attempting tonights test run. After 28 days the system was still in the exact same situation as it was when the spill occurred and Operations is once again forced to operate around an unsatisfactory problem.

Completed By: Joseph P. Brannin
MOS Observer

Date: 09/14-15/88

Reviewed By: Operations Superintendent - Nuclear

Date:

Management Review By:

PM-N / Date SVP / Date - VP / Date

Date 09/15/88

Shift Report

Shift _____ Days _____

Shift Management

PSN Wogan/Jones APSN Singer/Haley NWE _____

A. Questionable Work Practices/Actions Taken/Recommendations

None

B. Areas for Improvement/Recommendations/Actions Taken

None

C. Good Practices/Professionalism Observed

Routine operations

Reviewed By *Lee Pearce* Date 9/15/88

Date 09/15/88

Shift Report

Shift _____ Peaks _____

Shift Management

PSN Jones APSN Haley NWE _____

A. Questionable Work Practices/Actions Taken/Recommendations

None

B. Areas for Improvement/Recommendations/Actions Taken

None

C. Good Practices/Professionalism Observed

Routine operations

Reviewed By *S. W. Pearce* Date 9/15/88

Date 09/16/88

Shift Report

Shift Mids

Shift Management

PSN Wogan APSN Singer NWE Vetromile

A. Questionable Work Practices/Actions Taken/Recommendations

None

B. Areas for Improvement/Recommendations/Actions Taken

None

C. Good Practices/Professionalism Observed

Routine operations

Reviewed By

R. Garcia

Date

9/15/88



To: Operations Superintendent - Nuclear

Date: 09/15/88

From: Richard Coulthard
(MOS Observer)

Shift: Day
 Night

A. Plant Evolutions Observed

- o Units 3 and 4 at 100% power
- o 0715 Plan of the Day meeting
- o 1535 start of shift meeting
- o Fire drill at Unit 4 B 4160 volt switchgear room
- o 3/4 OSP 75.1, Auxillary Feedwater Train 1 operability verification

B. Immediate Safety Problems

None

C. Questionable Work Practices

None

D. Areas for Improvement

None

E. Professionalism, Summary of shift, Comments

1. Very quiet shift on both units.
2. Five man fire brigade responded to location of fire drill in less than ten minutes attired in appropriate gear.
3. The 1535 shift meeting was used to stress importance of both Operations and Maintenance personnel to communicate with each other when a problem is found in a clearance request or the issuance of a clearance seems unduly delayed:

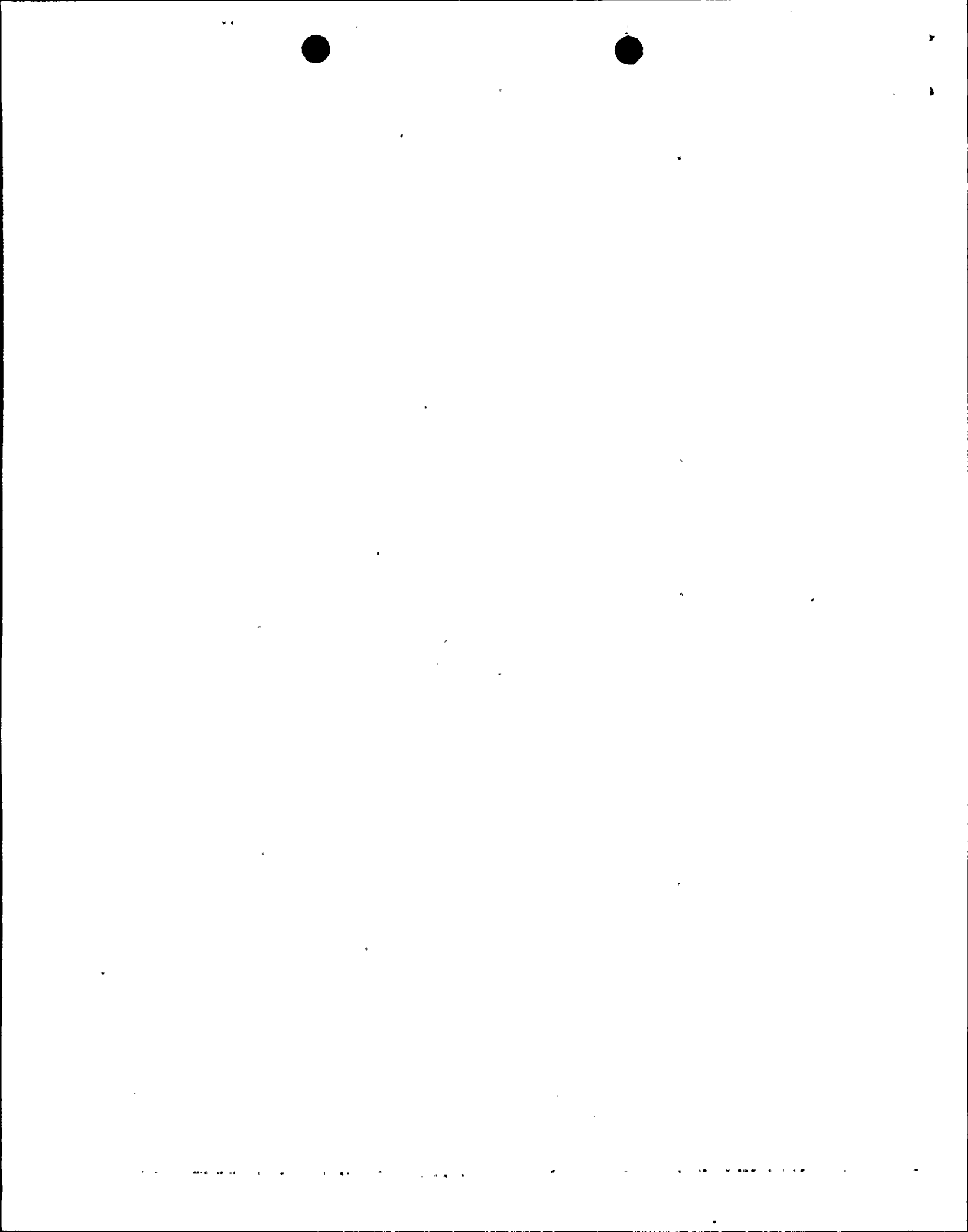
Completed By: Richard Coulthard
MOS Observer

Date: 09/15/88

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

Date: 9/15/88

Management Review By: *John Sec 1* 9/15/88
PM-N Date SVP Date VP Date



To: Operations Superintendent - Nuclear

Date: 09/15-16/88

From: Joseph P. Brannin
(MOS Observer)

Shift: Day
 Night

A. Plant Evolutions Observed
o Routine shift operations

B. Immediate Safety Problems
None

C. Questionable Work Practices
None observed

D. Areas for Improvement
No new area observed

E. Professionalism, Summary of Shift, Comments
Both shifts handled professionally.

The reference in the SALP report cover letter to plant operations going from a 2 to 3 despite a "definite upward trend" being observed during the first half of 1988 hurt the operators morale:

Completed By: Joseph P. Brannin
MOS Observer

Date: 09/15-16/88

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

Date: 9/15/88

Management Review By: awf for Sec 1 9/15/88
PM-N Date SVP Date

VP. Date
09/15-16/88

To: Operations Superintendent - Nuclear

Date: 09/15-16/88

From: V. B. Wager
(MOS Observer)

Shift: Day
 Night

A. Plant Evolutions Observed

- o Both units at 100% power
- o Routine operations
- o 4-OSP-92.1 Main Transformer periodic
- o TP-474 Unit 3 Spent Fuel Pool (SFP) level reduction for maintenance
- o Unit 4 Emergency Containment coolers periodic

B. Immediate Safety Problems

None observed

C. Questionable Work Practices

None

D. Areas for Improvement

None observed

E. Professionalism, Summary of Shift, Comments

A busy but well run shift.

Completed By: V. B. Wager
MOS Observer

Date: 09/15-16/88

Reviewed By: [Signature]
Operations Superintendent - Nuclear

Date: 9/15/88

Management Review By: [Signature] 1 9/15/88
PM-N Date SVP Date VP Date



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