

# ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

## REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8807190057 DOC. DATE: 88/06/29 NOTARIZED: NO DOCKET #  
 FACIL: 50-250 Turkey Point Plant, Unit 3, Florida Power and Light C 05000250  
 50-251 Turkey Point Plant, Unit 4, Florida Power and Light C 05000251  
 AUTH. NAME AUTHOR AFFILIATION  
 CONWAY, W.F. Florida Power & Light Co.  
 RECIP. NAME RECIPIENT AFFILIATION  
 GRACE, J.N. Region 2, Ofc of the Director

SUBJECT: Forwards summary of mgt-on-shift repts for wk starting  
 880620, per NRC 871019 order.

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 TITLE: Turkey Point Management Onshift Program

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L-88-286

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

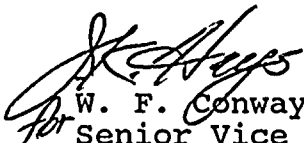
Re: Turkey Point Units 3 and 4  
Docket Nos. 50-250 and 50-251  
Management-on-Shift Weekly Report

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 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

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# MANAGEMENT ON SHIFT (MOS)

WEEK STARTING: 06/20/88

## WEEKLY SUMMARY REPORT

PAGE 1 OF 2

Four MOS Observers were on shift. David R. Powell, Operating Experience Feedback Coordinator, Juno Beach (06/20-26/88, days); Craig D. Bersak, Westinghouse Electric Corporation (06/20-27/88, evenings); Terry A. Finn, Turkey Point Nuclear Plant Training Superintendent (06/20-24/88, evenings); and Vito A. Kaminskis, Turkey Point Nuclear Plant Reactor Engineering Supervisor (06/24-27/88, evenings).

Both Units 3 and 4 operated at 100% power for the majority of the reporting period. On June 24 and 25, Units 3 and 4 respectively, reduced power to 40%, individually, to conduct Turbine Valve testing.

Three questionable work practices were reported by the MOS Observers concerning a post maintenance containment entry. These comments regarded testing of a Self-Contained Breathing Apparatus prior to entering the personnel hatch and two comments regarding removal of protective clothing.

During the reporting period, the MOS Observers noted eleven recommendations and areas for improvement. These comments and suggestions involved:

- An Event Review Team was unaware of prior O-ADM-021, Technical Specification Implementation Procedure, waivers with respect to the Main Steamline Isolation Valve Backup (MSIV B/U) Nitrogen system, resulting in questions on interpretation and the need for a unit shutdown.
- Timeliness in determining the acceptability of use of a model 1322 regulator instead of a model 1323 regulator in the MSIV B/U Nitrogen system.
- The need for improved communications capability at the MSIV B/U Nitrogen station.
- The awareness of system engineers of plant status when performing system data gathering.
- Coordination of process radiation monitor system maintenance with operation testing.

# MANAGEMENT ON SHIFT (MOS)

WEEK STARTING: 06/20/88

## WEEKLY SUMMARY REPORT

PAGE 2 OF 2

- Availability of motor starting duty information in procedures.
- Incorporation of procedure steps regarding equipment not yet turned over to Operations.
- Verification of knowledge of component location prior to containment entry.
- Development of a correlation between Instrument Air dew point and ambient conditions.
- Recommendation to perform Reactor Coolant Leak Rate Testing prior to load changing evolutions.
- Concurrence with an APSN's recommendations on reducing Control Room noise levels.

During the reporting period the PSN reporting program continued.

The PSNs reported two questionable work practices. One concern dealt with the proposed post maintenance test following packing adjustments on the Feedwater Regulator Valve; this maintenance action was postponed by the PSNs to resolve their concerns. The second item dealt with the incorporation of Safety Assessment System data points in procedures prior to those points being hooked up.

The PSNs noted four recommendations and areas for improvement. These comments and suggestions involved:

- The reset pressure of the MSIV B/U Nitrogen System low pressure alarm.
- The need to establish a mechanism of routinely providing the PSN with chemistry results on weekends and holidays.
- A request for enhanced training on the Post Accident Sampling System for Chemistry Technicians.
- The need to substantiate acceptance criteria used in procedures.

ATTACHMENT: MOS DAILY REPORTS

To: Operations Superintendent - Nuclear

Date: 06/20/88

From: D. R. Powell  
(MOS Observer)Shift: ☒ Day  
☐ Night

## A. Plant evolutions observed

- Units 3 and 4, 100% power, steady state operations
- Commencement of Unit 3 shutdown - 4 MW decrease before ADM-21 waiver received by PSN
- Steam Generator Protection Channels periodic
- Auxiliary Feedwater (AFW) pump A - tag out
- Flux mapping associated with Xenon oscillation test - Unit 4
- Event Review Team (ERT) called for 3B Main Steamline Isolation Valve (MSIV) nitrogen accumulator regulator failure

## B. Immediate safety problems

None noted

## C. Questionable work practices

None noted

## D. Areas for improvement

1. A waiver for the 3B - MSIV nitrogen accumulator regulator was written approximately three weeks ago because of a similar failure on the same regulator. This information was not brought out in the ERT. It was not noted until the day shift PSN reported in for work. Subsequent to this a waiver to ADM-21 was granted taking the unit out of the Interim Technical Specification (TS) requirement of shutting down within 6 hours to the actual TS requirement of 48 hours. The waiver was not issued and received by the PSN until after a unit shutdown had commenced which did not appear necessary at this point since this was verbally relayed to him.

2. A related matter to this deals with the apparent lack of knowledge concerning the three regulators in Stores - model 1322's instead of the 1323 regulators required by the PC/M. NCR's were placed on the 1322 valves, and model 1323 valves were on order. The type of valves in the system are model 1322 valves and there was also some question about the seismic qualifications of these valves. An engineering disposition was made to replace the regulator with the 1322 model valve in Stores based on the fact that the PCM called for a 1323 model "or equivalent". Why was this done only under duress of unit shutdown and not prior to this, if the 1322 valves were adequate?

E. Professionalism, Summary of Shift, Comments

Shift turnover was held in an orderly and informative manner. Good information was brought out by several of the operators and plant staff for everyone's information.

The hanging of the AFW tags was done in a professional and thorough manner.

An I&C supervisor was present during the Steam Generator protection channels periodic which is a good idea. It is my understanding that this practice has been going on for quite some time.

Completed By: David R. Powell  
MOS Observer

Date: 06/20/88

Reviewed By: [Signature]  
Operations Superintendent - Nuclear

Date: 6/21/88

Management  
Review By:

[Signature] 16/21/88 [Signature] 16/21/88 [Signature] 16/21/88  
M-N Date SVP Date VP Date  
06/20/88

0-ADM-019

Management on Shift (MOS)  
MOS DAILY REPORT

Page

1

To: Operations Superintendent - Nuclear

Date: 06/20-21/88

From: T. A. Flinn  
(MOS Observer)Shift: ☐ Day  
☒ Night

## A. Plant evolutions observed

- Units 3 and 4, 100% steady state
- Independent verification of plant clearance - Emergency Diesel Fire Suppression System
- PSN/PSN shift turnover
- Isolation of 480 V load center ground
- Shift briefing
- Plant tour

## B. Immediate safety problems

None

## C. Questionable work practices

None

## D. Areas for improvement

To improve the communication while troubleshooting, repairing and testing, there is a need to install a plant page and phone inside the fenced area around the Unit #3 Main Steam Isolation Valve (MSIV) nitrogen backup stations. The location of the presently installed page/phones requires personnel to card-key out of the area or go to the main steam platform to communicate with the Control Room.

## E. Professionalism, Summary of Shift, Comments

The midnight shift nuclear watch engineer did an excellent job of following the work on the MSIV backup nitrogen system. When the system was released to operations, he ensured the system was returned to service in a timely manner.

Completed By: T. A. Flinn  
MOS Observer

Date: 06/20-21/88

Reviewed By:   
Operations Superintendent - Nuclear

Date: 6/21/88

Management  
Review By:

PEC 16/21/88 JH 16/21/88 JH  
PM.N Date SVP Date VP Date 06/20-21/88



0-ADM-019

Management on Shift (MOS)  
MOS DAILY REPORT

Page

1

To: Operations Superintendent - Nuclear

Date: 06/20-21/88

From: Craig D. Bersak  
(MOS Observer)Shift: ☐ Day  
☒ Night

## A. Plant evolutions observed

- Unit 3 and 4 at 100% power, steady state
- Unit 4 Xenon oscillation dampening
- 3A Motor Control Center (MCC) ground isolation
- Toured Secondary and Intake areas
- Mid shift meeting

## B. Immediate safety problems

None

## C. Questionable work problems

None noted

## D. Areas for improvement

None noted

## E. Professionalism, Summary of Shift, Comments

Observed thorough troubleshooting and coordination by APSN and NWE of 3A MCC ground.

Quiet well coordinated shifts.

Completed By: C. Bersak  
MOS Observer

Date: 06/20-21/88

Reviewed By: [Signature]  
Operations Superintendent - Nuclear

Date: 6/21/88

Management  
Review By:

JSC 16/21/88 [Signature] 16/24/88 [Signature] 16/21/88  
PM-N Date SVP Date VP Date  
06/20-21/88

Date 06/21/88

# Shift Report

Shift Mid

## Shift Management

PSN Schimkus APSN Murphy NWE Spence

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

None

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

Main Steam Isolation Valve (MSIV) nitrogen low pressure alarm annunciates at 2015 psig indicating low pressure in the in-service bottle. A new bottle is placed in-service and when valved in, it requires approximately 2415 psig to allow alarm reset. The on-site nitrogen compressors high pressure cut off is 2400 psig. When a bottle is compressed to this pressure, due to the cooling off of the compressed gas in the bottle, the pressure drops to a value in the 2300 psig range. This on-site nitrogen supply is inadequate to support the pressure switch requirements of the MSIV.

**Recommend:**

Change of MSIV backup nitrogen pressure reset value or have vendor supply 2500 psig bottles.

**C. Good Practices/Professionalism Observed**

Routine operations

Reviewed By J.W. Spence Date 6/21/88 Actions Completed \_\_\_\_\_ Date \_\_\_\_\_



Date 06/20/88

# Shift Report

Shift \_\_\_\_\_ Peak \_\_\_\_\_

## Shift Management

PSN \_\_\_\_\_ Salkeld \_\_\_\_\_ APSN \_\_\_\_\_ Guyer \_\_\_\_\_ NWE \_\_\_\_\_ Eddinger \_\_\_\_\_

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

None

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

PUP could not identify the proper acceptance criteria for a portion of the Diesel Fire pump test because they could not identify the type of switch in use. I recommend we have "as built" information readily available and that the basis for acceptance criteria be clearly defined.

**C. Good practices/Professionalism Observed**

Yes

Reviewed By *G. W. Davis* Date 6/21/88 Actions Completed \_\_\_\_\_ Date \_\_\_\_\_

To: Operations Superintendent - Nuclear

Date: 06/21/88

From: David Powell  
(MOS Observer)Shift: ☒ Day  
☐ Night

## A. Plant evolutions observed

- Units 3 and 4, 100% power, steady state operations
- Intake Cooling Water pump flow test
- Partial tour with turbine operator
- Accumulator Pressure loop analog test
- Tour of radiation control area (partial)

## B. Immediate safety problems

None noted

## C. Questionable work practices

None noted

## D. Areas for improvement

While the ICW pump test was in progress a plant engineer started taking Component Cooling Water Heat Exchanger temperature and flow measurements to obtain the heat transfer rates of the heat exchangers. We mentioned that he might have to obtain new measurements since we were performing the ICW test. I did not ask him if he knew the test was in progress. It may be advisable to ensure that personnel contact the Control Room to obtain information concerning the system(s) that they may be obtaining information on.

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

Although I did not monitor the entire safeguards surveillance that was conducted, of the part I saw, communications was good and the test proceeded very smoothly.

Shift turnover by the PSN's was excellent and very thorough. It seemed that the incoming PSN was given a very clear picture of what had transpired and what was yet to come.

The morning shift turnover meeting was held in a professional and concise manner. The day's work expectations were thoroughly discussed and plans made for immediately impending tests that had been scheduled. A good coordination of work given the man-power constraints and amount of work needing to be accomplished occurred following the meeting.

Completed By: David Powell  
MOS Observer

Date: 06/21/88

Reviewed By: [Signature]  
Operations Superintendent - Nuclear

Date: 6/22/88

Management Review By: [Signature]  
PM-N 1 Date 1 SVP 1 Date 1 VP 1 Date

06/21/88



To: Operations Superintendent - Nuclear

Date: 06/21-22/88

From: Craig D. Bersak  
(MOS Observer)Shift: ☐ Day  
☒ Night

## A. Plant evolutions observed

- Units 3 and 4 at 100% steady state
- 0-OSP-023.1, Diesel Generator Operability Test
- Toured Secondary and RCA
- 3/4-OSP-067.1, Process Radiation Monitor Operability Test

## B. Immediate safety problems

None

## C. Questionable work practices

None

## D. Areas for improvement.

A PWO was worked by I&C to replace bulbs in R-11 and R-12 Process Radiation monitors; (see section E). This appears to be somewhat excessive as all bulbs, working or not, were replaced. As this preventive maintenance (PM) item results in a Control Room Isolation signal it should be coordinated with the performance of 3/4-OSP-067.1. Additionally, as the note preceeding step 7.1.5 of OSP-067.1 provides direction to replace bad bulbs while the channel is tripped it should be possible to delete this PM item altogether and replace bulbs as the need arises.



## E. Professionalism, Summary of Shift, Comments

Peak shift RCO questioned the necessity of placing R-11 and R-12 radiation monitors out-of-service to replace bulbs in the "HIGH ALARM" indication. Taking the radiation monitor out-of-service would result in a Control Room isolation signal. RCO, NWE and PSN coordinated with I&C to perform relamping during performance of monthly process radiation monitor surveillance testing to eliminate an unnecessary ventilation switch over.

Control Room personnel have demonstrated a sincere interest in the training of SRO license candidates. Very good use of "slack" time had been made to conduct system checkouts, answer questions and incorporate trainees into watchstanding routines.

Completed By: Craig D. Bersak  
MOS Observer

Date: 06/21-22/88

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

Date: 6/21/88

Management Review By: *[Signature]* PM-N Date SVP Date VP Date



To: Operations Superintendent - Nuclear

Date: 06/21-22/88

From: T. A. Finn  
(MOS Observer)Shift: ☐ Day  
☒ Night

## A. Plant evolutions observed

- Units 3 and 4, steady state operation
- Plant tour
- 'A' Emergency Diesel Generator test, 0-OSP-23.1
- Diesel fire pump test, 0-OSP-16.23
- PSN shift turnover
- Shift briefing
- Reviewed equipment out-of-service book
- Walkdown B Emergency Diesel Generator clearance

## B. Immediate safety problems

None

## C. Questionable work practices

None

## D. Areas for improvement

None

## E. Professionalism, Summary of Shift, Comments

None

Completed By: T. A. Finn  
MOS Observer

Date: 06/21-22/88

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

Date: 6/22/88

Management Review By: *[Signature]*  
SEC 16/22/88  
PM-N Date SVP Date VP Date 06/21-22/88

100

Date 06/21/88

# Shift Report

Shift Peak

## 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**

Yes

Reviewed By [Signature] Date 6/22/88 Actions Completed          Date

Date 06/22/88

# Shift Report

Shift Mid

Shift Management  
PSN Harpel APSN Guyer/Vetromile NWE Eddinger  
Mateszewski

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

None

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

None

**C. Good Practices/Professionalism Observed**

None

Reviewed By L.W. Parra Date 6/22/88 Actions Completed \_\_\_\_\_ Date \_\_\_\_\_

To: Operations Superintendent - Nuclear

Date: 06/22/88

From: David Powell  
(MOS Observer)Shift: ☒ Day  
☐ Night

## A. Plant evolutions observed

- ° Units 3 and 4, 100% power, steady state operations
- ° Plant tour
- ° A Train Auxiliary Feedwater Pump Operability Test
- ° OSP-059.4, Power Range Nuclear Instrumentation Analog Channel Operational Test
- ° Daily Calorimetric
- ° Recovery from loss of Unit 3 Air Compressors

## B. Immediate safety problems

None noted

## C. Questionable work practices

None noted

## D. Areas for improvement

None noted

## E. Professionalism, Summary of Shift, Comments

Power Range Channel test was performed in thorough and professional manner. Communications between the two operators were very good. All required signatures obtained as required at the appropriate points in the procedure.

Shift turnovers were good.




Monitored training of Shift Technical Advisors who were under instruction. Training was relevant and pertinent.

Completed By: David Powell  
MOS Observer

Date: 06/22/88

Reviewed By:   
Operations Superintendent - Nuclear

Date: 6/22/88

Management Review By:  16/23/88  16/23/88  16/23/88  
PM-N Date SVP Date VP Date

06/22/88





To: Operations Superintendent - Nuclear

Date: 06/22-23/88

From: Craig D. Bersak  
(MOS Observer)Shift: ☐ Day  
☒ Night

## A. Plant evolutions observed

- ° Units 3 and 4 at 100%
- ° Plant Tour
- ° Shift Turnover

## B. Immediate safety problems

None

## C. Questionable work practices

None

## D. Areas for improvement

Unit 4 RCO was requested to run an Intake Cooling Water (ICW) pump for post maintenance operability testing. After starting the pump, the Control Room was notified that leakoff was inadequate and the RCO stopped the pump. Shortly afterwards Maintenance requested the pump to be restarted to determine if leakoff was adequate. The RCO referred to the ICW operating procedure to determine the pump's starting duty limitations. This information was not contained in the precautions and limitations.

Recommend that an operator aid be compiled of the starting duty limits on the Control Room-operated motors as an interim fix and this information be incorporated into the operating procedures, as they get otherwise reviewed and revised. Alternatively, a "generic" starting duty limit, (e.g., "Two successive starts followed by a 1 hour cooldown period."), might be useful as a thumb rule.

## E. Professionalism, Summary of Shift, Comments

Good inquisitive attitude exhibited by RCO to verify starting duty limitations prior to potentially damaging operation of ICW pump.

Quiet night




Completed By: Craig D. Bersak  
MOS Observer

Date: 06/22-23/88

Reviewed By:   
Operations Superintendent - Nuclear

Date: 6/23/88

Management  
Review By:

 16/23/88 PM-N Date SVP  16/23/88 Date VP  Date  
06/22-23/88

To: Operations Superintendent - Nuclear

Date: 06/22-23/88

From: T. A. Finn  
(MOS Observer)Shift: ☐ Day  
☒ Night

## A. Plant evolutions observed

- Units 3 and 4, steady state power operation
- "B" Emergency Diesel Generator return to service
- PSN shift turnover
- Shift briefing
- Plant tour
- O-PMI-047.8 Chemical Volume Control Actuator Hand Control Valve (HVC)-\*-121
- Observed On The Job Training, SRO's, STA's, SRCO.

## B. Immediate safety problems

None

## C. Questionable work practices

None

## D. Areas for improvement

Procedure O-PMI 047.8 Chemical and Volume Control System charging pump flow control valve actuator overhaul/maintenance. Step 6.10.6, "verify operability," requires that indicating lights show open and closed on the control console dependent on the demand signal. HCV-\*-121 doesn't have light indication on the control console.

Also requires HCV-\*-121 position to be called up on the safety assessment system. This could not be obtained. Step 6.10.6 requires HCV-\*-121 to be cycled from the alternate shutdown panel. This system has not been turned over to Operations as of this date.

The discrepancies cause a several-hour delay returning HCV-\*-121 to service.

Recommend if steps are placed in a procedure prior to turnover or installation that a note also be placed in the procedure informing personnel that the steps can be N/A until turnover takes place, or, do not approve and distribute the change until turnover.

## B. Professionalism, Summary of Shift, Comments

The I&C specialist working O-PMI-047.8 was very aware of procedure adherence. When he found the procedure problem he stopped and requested assistance from the plant supervisor to resolve the problem.

During the last four shifts the Procedure Upgrade Group's on-shift representative has been very supportive of the Operations and Maintenance groups.

Completed By: T. A. Finn  
MOS Observer

Date: 06/22-23/88

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

Date: 6/23/88

Management Review By: *J. E. Linn* 16/23/88 *J. E. Linn* 16/23/88  
PM-N Date SVP Date VP Date  
06/22-23/88

Date 06/23/88

# Shift Report

Shift Mid

## Shift Management

PSN Harpel APSN Vetromille NWE

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

None

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

None

**C. Good Practices/Professionalism Observed**

None

Reviewed By L. P. P. P. Date 6/23/88 Actions Completed  Date

Date 06/22/88

# Shift Report

Shift \_\_\_\_\_ Peaks \_\_\_\_\_

## 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**

Regulation and Compliance group identified a potential area of conflict between the administrative controls required by Technical Specifications for certain containment Integrity values per section 3.3.1 and the administrative controls required by ADM-021 table 3.6-1. They promptly notified Operations of their concerns. This matter was discussed in detail. Existing requirements were clarified, remaining issues identified and a plan to resolve these issues discussed.

Reviewed By K.W. Prince Date 6/23/88 Actions Completed \_\_\_\_\_ Date \_\_\_\_\_

6. 1. 1.

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1. 1.

To: Operations Superintendent - Nuclear

Date: <sup>23</sup>06/24/88From: David R. Powell  
(MOS Observer)Shift: ☒ Day  
☐ Night

## A. Plant evolutions observed

- Units 3 and 4, 100% power, steady state operations
- Plant tours
- Volume Control Tank Vent/Purge - Unit 3
- Containment entry - stroke test of CV-951

## B. Immediate safety problems

None

## C. Questionable work practices

While watching the containment entry for valve CV-951 stroke testing, several questionable practices were observed:

1. Self-Contained Breathing Apparatus (SCBA) were not fully tested prior to entering the reactor containment entry hatch and closing the door. One individual's SCBA failed and forced him to obtain a different one. When he came out he did not have either piece of his protective clothing for his head. He returned to the entry hatch without the apparel, but with a new SCBA. I presume the head garments were put on inside the hatch.
2. When emerging from the containment personnel hatch one of the individuals snatched his head covering from his head and lost his grip of it. It fell beneath the stairs, outside the roped off containment area, almost landing on a guard.
3. The undress area at the base of the stairs is very tight. While two potentially contaminated individuals were undressing, the Health Physics technician present indicated to a standby individual, dressed out in protective clothing, to enter the contaminated area, where the two other potentially contaminated individuals were undressing, and remove his protective clothing. This not only congested this small area, but also allowed an uncontaminated man to be placed in a position of becoming potentially contaminated by bumping, etc. the other individuals. If this individual must go inside the contaminated area to remove protective clothing, then he should have waited until the other people had left the area.

**D. Areas for improvement**

Prior to a containment entry personnel need to be absolutely sure of the work they are to perform, equipment locations, etc. The personnel who entered the containment to verify proper stroking of valve CV-951 actually were watching a different valve at the time the first test was executed. I asked the nuclear operator who accompanied the personnel on the second entry if the valve had a properly marked tag on it. He indicated that it did. Perhaps personnel not familiar with equipment locations inside containment should first obtain a briefing by the nuclear operators or someone knowledgeable in the equipment locations. In this case two containment entries were made to observe a valve stroke test because of the mistake made during the first entry.

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

The RCO performing the Volume Control Tank Vent and Purge operation did so in an excellent, professional manner. He was in constant communication with nuclear operators at the required sites. Based upon the conversations these individuals were also very thorough in their job functions.

When it was mentioned to the APSN that too many people were using the Control Room as a transit area into the inverter room he took immediate action to correct the situation.

The watch standing was in general very good.

Completed By: David R. Powell  
MOS Observer

Date: 06/24/88

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

Date: 6/24/88

Management  
Review By:

*[Signature]* 16/24/88 *[Signature]* 16/24/88 *[Signature]* 16/24/88  
PM-N Date SVP Date VP Date  
06/24/88



To: Operations Superintendent - Nuclear

Date: 06/23-24/88

From: Craig D. Bersak  
(MOS Observer)Shift: ☐ Day  
☒ Night

## A. Plant evolutions observed

- Units 3 and 4 at 100%
- Plant tour: Secondary, RCA, Intake
- Shift turnover
- Midshift meeting

## B. Immediate safety problems

None

## C. Questionable work practices

None

## D. Areas for improvement

None

## E. Professionalism, Summary of Shift, Comments

Quiet night

Completed By: Craig D. Bersak  
MOS Observer

Date: 06/23-24/88

Reviewed By: *[Signature]*  
Operations Superintendent - NuclearDate: 6/24/88Management  
Review By:*[Signature]* 1 6/24/88 *[Signature]* 1 6/24/88  
PM-N Date SVP Date VP Date

06/23-24/88

To: Operations Superintendent - Nuclear

Date: 06/23-24/88

From: T. A. Finn  
(MOS Observer)Shift: ☐ Day  
☒ Night

## A. Plant evolutions observed

- Units 3 and 4, 100% steady state operations
- Reviewed equipment out-of-service book
- PSN-shift turnover
- Shift briefing
- Plant tours

## B. Immediate safety problems

None

## C. Questionable work practices

None

## D. Areas for improvement

None

## E. Professionalism, Summary of Shift, Comments

None

Completed By: T. A. Finn  
MOS Observer

Date: 06/23-24/88

Reviewed By: *R. W. Pence*  
Operations Superintendent - Nuclear

Date: 6/24/88

Management  
Review By:*J. Cross* 6/24/88 *JP* 6/24/88 *VP* 6/24/88  
PM-N Date SVP Date VP Date

06/23-24/88

Date 06/24/88

# Shift Report

Shift Mid

Shift Management

Vetromile/

PSN Harpel APSN Murphy NWE Spence

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

None

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

None

**C. Good Practices/Professionalism Observed**

None

Reviewed By L.W. Fenn Date 6/24/88 Actions Completed \_\_\_\_\_ Date \_\_\_\_\_

To: Operations Superintendent - Nuclear

Date: 06/24/88

From: David R. Powell  
(MOS Observer)Shift: ☐ Day  
☒ Night

## A. Plant evolutions observed

- Units 3 and 4, 100% power, steady state operations
- PSN Shift Turnover
- Shift Turnover and Briefing
- Plant tours
- Auxiliary Feedwater Pump Test from Units 3 and 4, Train B
- 4-PMI-067.1, Process Radiation Monitor System Channel Calibration Procedure, R-4-11 and R-4-12

## B. Immediate safety problems

None noted

## C. Questionable work practices

None noted.

## D. Areas for improvement

None noted

## E. Professionalism, Summary of Shift, Comments

The 4-PMI-067.1 procedure required an On-The-Spot-Change (OTSC) because of the omission of a step in the procedure. This was noted by the Reactor Control Operator performing the procedure and the test personnel. The OTSC was made and the R-4-11 and R-4-12 units placed back into service.

Shift briefing was orderly, professional and very thorough.

Completed By: David R. Powell  
MOS Observer

Date: 06/24/88

Reviewed By: [Signature]  
Operations Superintendent - Nuclear

Date: 6-27-88

Management  
Review By:

[Signature] 16/27/88 [Signature] 16/27/88 [Signature] 16/27  
PM-N Date SVP Date VP Date

06/24/88

To: Operations Superintendent - Nuclear

Date: 06/24-25/88

From: Craig D. Bersak  
(MOS Observer)Shift: ☐ Day  
☒ Night

## A. Plant evolutions observed

- Unit 3: Load Reduction to 240 MWe (40% Reactor Power)  
3-OSP-89, Turbine Valve Operability Test  
Power Increase
- Unit 4: 100% Reactor Power, steady state
- Midshift turnover and meeting
- Response to Unit 3 Condensate Chemistry Action Level 2

## B. Immediate safety problems

None

## C. Questionable work practices

None

## D. Areas for improvement

None

## E. Professionalism, Summary of Shift, Comments

Well conducted turbine valve test

Completed By: Craig D. Bersak  
MOS Observer

Date: 06/24-25/88

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

Date: 6-27-88

Management  
Review By:

*[Signature]* 16/27/88 *[Signature]* 16/27/88 *[Signature]* 16/27  
PM-N Date SVP Date VP Date

06/24-25/88

To: Operations Superintendent - Nuclear

Date: 06/24-25/88

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

## A. Plant evolutions observed

- Unit 3 Load Reduction
- Unit 3 Turbine Valve Test
- Unit 3 Load Increase
- Shift Briefing
- Shift Turnover

## B. Immediate safety problems

None

## C. Questionable work practices

None

## D. Areas for improvement

None

## E. Professionalism, Summary of Shift, Comments

Turbine valve test was conducted in a very professional manner.

No major problems were encountered.

Completed By: Vito A. Kaminskas  
MOS Observer

Date: 06/24-25/88

Reviewed By: [Signature]  
Operations Superintendent - Nuclear

Date: 6-27-88

Management  
Review By:

James E. [Signature] 6/27/88 PM-N Date SVR [Signature] 6/27/88 Date VP [Signature] 6/27/88 Date

06/24-25/88

To: Operations Superintendent - Nuclear

Date: 06/25/88

From: David R. Powell  
(MOS Observer)Shift: ☒ Day  
☐ Night

## A. Plant evolutions observed

- Unit 4, 100% power, steady state
- Unit 3, 3% per hour Power Ramp up to 100%
- Leak Rate Calculation
- Plant tours
- Purge/Vent of Unit 4 Volume Control Tank

## B. Immediate safety problems

None noted

## C. Questionable work practices

None noted.

## D. Areas for improvement

1. The PSN has written a description of the circumstances surrounding their not performing the Feedwater Regulator Valve packing adjustment. I concur with his assessment of the actions taken and the recommendations made.

2. Consideration should be given to obtaining a correlation curve between ambient conditions and instrument air dew point measurements. This information would help to predict the phenomenon before dew point becomes a concern. It would also help in determining if an increased frequency of desiccant change out is necessary during the humid, hot summer months.

3. Consideration should be given to performing a Reactor Coolant Leak Rate Test prior to performing a load increase or decrease that has been planned, which may take many hours for the unit to stabilize. This would help to alleviate problems like that experienced today where a leak rate test had to be performed under unit transient conditions (i.e. the unit was in a 3% power ramp up). The first two leak rates performed were high and caused the unit to enter into a 4 hour Limiting Condition of Operation Action Statement. This would have been unnecessary had they performed the test just before ramping power down. Please note that the requirement of performing a Leak Rate Test every 24 hours (+25% grace period, I believe) is more restrictive than the daily requirement in the Technical Specifications. I discussed this with the STA and APSN.

## E. Professionalism, Summary of Shift, Comments

The PSN and APSN on the previous shift were correct to question the information they were given concerning the re-test requirements of the Feedwater Regulator Valve. The followup by the on-coming PSN was excellent. The willingness of affected individuals and groups to resolve the issue was evident. Facts were gathered and a complete picture of the concerns was provided to the Plant Manager for final resolution.

Shift turnover was conducted in a thorough and professional manner. Watchstanding, in general, was very good.

Completed By: David R. Powell  
MOS Observer

Date: 06/25/88

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

Date: 6-27-88

Management  
Review By:

*[Signature]* 16/27/88 *[Signature]* 16/27/88 *[Signature]* 16/27  
PM-N Date SVP Date VP Date

06/25/88



To: Operations Superintendent - Nuclear

Date: 06/25-26/88

From: Craig D. Bersak  
(MOS Observer)Shift: ☐ Day  
☒ Night

## A. Plant evolutions observed

- Unit 3: Power Ascension to 100%
- Unit 4: Load Decrease to 40%  
4-OSP-89, Turbine Valve Operability Test  
Power Ascension to 55%  
Flux Map (Rod Position Verification)
- Shift turnover and meeting
- PSN Plant Tour

## B. Immediate safety problems

None

## C. Questionable work practices

None

## D. Areas for improvement

None

## E. Professionalism, Summary of Shift, Comments

Turbine valve test accomplished in a very proficient manner.

Completed By: Craig D. Bersak  
MOS Observer

Date: 06/25-26/88

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

Date: 6-27-88

Management  
Review By:

<u><i>[Signature]</i></u>	<u>16/27/88</u>	<u><i>[Signature]</i></u>	<u>16/27/88</u>	<u><i>[Signature]</i></u>	<u>16/27</u>
PM-N	Date	SVP	Date	VP	Date

06/25-26/88

To: Operations Superintendent - Nuclear

Date: 06/25-26/88

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

## A. Plant evolutions observed

- Unit 3 Power Increase to 100%
- Unit 4 Power Decrease to 40%
- Unit 4 Turbine Valve Test
- Unit 4 Load Increase
- Cleaning of Turbine Plant Cooling Water Heat Exchanger

## B. Immediate safety problems

None

## C. Questionable work practices

None

## D. Areas for improvement

None

## E. Professionalism, Summary of Shift, Comments

Turbine valve test completed on Unit 4 with no major problems.

Completed By: Vito A. Kaminskas  
MOS Observer

Date: 06/25-26/88

Reviewed By: PR Wende For  
Operations Superintendent - Nuclear

Date: 6-27-88

Management  
Review By:

JE Guss 16/27/88 VR 16/27/88 VR 16/27  
PM-N Date SVR Date VP Date

06/25-26/88



To: Operations Superintendent - Nuclear

Date: 06/26/88

From: David R. Powell  
(MOS Observer)Shift: ☒ Day  
☐ Night

## A. Plant evolutions observed

- Unit 3, 100% power, steady state
- Unit 4, 3% per hour Power Ramp up to 100%
- Unit 4 Flux Mapping
- Plant tour

## B. Immediate safety problems

None noted

## C. Questionable work practices

None

## D. Areas for improvement

At times this week the Control Room became very noisy and crowded, normally on day shift. One of the APSNs (Mr. George Murphy) wrote a memo describing some actions that could be taken to reduce or alleviate some of the causes of the above mentioned problems. The memo was forwarded to his management in March 1988. I read this memo and believe that some of his recommendations could be implemented and would go a long way to reduce the problem in the long run. As a point in fact, though, when conditions became loud and crowded in the Control Room, the PSN and/or APSN normally took action to alleviate it. I would recommend that his memo be reconsidered if it is not under current review.

## B. Professionalism, Summary of Shift, Comments

The watchstanding during the week has been very good on the average and excellent in some specific individuals cases. The watch engineers in particular are aggressive and work hard to ensure that jobs get worked. Problem solving has been very good.

An NPO brought to the attention of the APSN some drawing discrepancies and improperly labeled valves. He indicated also where he thought there might be other problems. This is a very positive effort.

The PSNs and APSNs have stood their shifts in a professional, informed manner throughout the week.

Completed By: David R. Powell  
MOS Observer

Date: 06/26/88

Reviewed By: *RF McLeod* for  
Operations Superintendent- Nuclear

Date: 6-27-88

Management  
Review By:

*J. L. Cross* 16/27/88 *J. L. Cross* 16/27/88 *J. L. Cross* 16/27  
PM-N Date SVP Date VP Date

06/26/88

To: Operations Superintendent - Nuclear

Date: 06/26-27/88

From: Craig D. Bersak  
(MOS Observer)Shift: ☐ Day  
☒ Night

## A. Plant evolutions observed

- ° Units 3 and 4, 100% power, steady state
- ° 3/4-OSP-059.2, Intermediate Range Instrumentation Analog Channel Operational Check
- ° Shift turnover and meeting
- ° Plant Tour

## B. Immediate safety problems

None

## C. Questionable work practices

None

## D. Areas for improvement

None

## E. Professionalism, Summary of Shift, Comments

None

Completed By: Craig D. Bersak  
MOS Observer

Date: 06/26-27/88

Reviewed By: [Signature]  
Operations Superintendent - Nuclear

Date: 6-27-88

Management  
Review By:

<u>[Signature]</u>	16/27/88	<u>[Signature]</u>	16/27/88	<u>[Signature]</u>	16/27
PM-N	Date	SVP	Date	VP	Date

06/26-27/88

To: Operations Superintendent - Nuclear

Date: 06/26-27/88

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

## A. Plant evolutions observed

- Intermediate power range test
- Unit 3, 100% power
- Unit 4, 100% power
- RCS leakrate calculations

## B. Immediate safety problems

None

## C. Questionable work practices

None

## D. Areas for improvement

None

## E. Professionalism, Summary of Shift, Comments

Routine operations

100% power, both units

No major problems encountered during the shift.

Completed By: Vito A. Kaminskas  
MOS Observer

Date: 06/26-27/88

Reviewed By: [Signature]  
Operations Superintendent - Nuclear

Date: 6-27-88

Management  
Review By:

[Signature] 6/27/88 [Signature] 6/27/88 [Signature] 6/27  
PM-N Date SVR Date VP Date  
06/26-27/88

Date 06/24/88

# Shift Report

Shift \_\_\_\_\_ Day \_\_\_\_\_

## Shift Management

PSN Schimkus APSN Murphy NWE Spence

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

None

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

None

**C. Good Practices/Professionalism Observed**

With an exceptional work load, and a lack of extra operators, the day shift was able to perform Auxiliary Feedwater Pump testing, Main Steamline Isolation Valve Backup Nitrogen Testing, a heavy load of clearances, etc. and support most of our Maintenance Departments' efforts. This shows some good planning and much initiative of the operators to stay abreast of the numerous operating evolutions.

Reviewed By *DA Wende* Date 6-27-88 Actions Completed \_\_\_\_\_ Date \_\_\_\_\_



Date 06/24/88

# Shift Report

Shift            Peaks           

## Shift Management

PSN            Salkeld            APSN            Guyer            NWE            Eddinger           

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

None

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

Backshift Chemistry Technicians expressed concerns about their ability to place the Post Accident Sampling System, in its existing configuration, into service within the three hours required by plant procedures. I recommend extensive training for enough personnel to insure there is always someone on site familiar with the status and operation of the PASS.

**C. Good Practices/Professionalism Observed**

Yes

Reviewed By *[Signature]* Date 6-27-88 Actions Completed            Date

Date 06/25/88

# Shift Report

Shift Mid

## Shift Management

PSN Harpel APSN Murphy NWE Spence

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

None

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

None

**C. Good Practices/Professionalism Observed**

None

Reviewed By *[Signature]* Date 6-27-88 Actions Completed          Date

Date 06/25/88

## Shift Report

Shift Day

## Shift Management

PSN Schimkus APSN Murphy NWE Spence

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

Unit 3: 3B and 3C Main Feedwater Regulator Valve's packing were scheduled to be adjusted on midshift while the unit was at 275 MWe for Turbine Valve Test. The on-shift PSN/APSN refused permission to allow the packing adjustment due to the Post Maintenance Test, required by the PWO, to ensure the Feed Regulator moved smoothly in the open direction as the unit was returned to 100% power operation. The midshift PSN/APSN pointed out that following any packing adjustment, it couldn't be guaranteed that the Feedwater Regulators could meet a seven (7) second closure time required for a steam line break accident. This is stated in Engineering letter JPE-PTPO-87-1424 as a concern.

There is little information on what is a valid post maintenance test for this situation and if the midshift PSN/APSN had accepted what information was presented to them and allowed the maintenance activity to progress, the operability of these valves would have been in question until the validity of the proposed test was approved.

Actions taken: Midshift PSN/APSN stopped maintenance prior to packing adjustment and contacted Technical Department and Operations Maintenance Coordinator to verify testing requirement inadequacy. PSN/APSN did not allow work to progress.

Dayshift PSN/APSN followed up by contacting Operation Superintendent, Plant Manager-Nuclear, Technical Department Supervisor, Maintenance Superintendent. These individuals concurred with the PSN's actions.

Recommendations: Prior to any safety related component being placed on a work schedule in which a PWO is issued or a clearance is requested, the component should be thoroughly investigated for its impact on unit operation with a proper evaluation of the Post Maintenance Testing required and what mode of unit operation is required for the test. In areas where JCOs or engineering letters exist on these components, the requests to perform maintenance should never enter the Nuclear Control Room until a special letter from Regulation and Compliance/Technical Department/Engineering state the exact requirements needed for operability of the component. This will eliminate the "grey area" confusion in similar areas.

## B. Areas for Improvement/Recommendations/Actions Taken

None

## C. Good Practices/Professionalism Observed

The midshift PSN/APSN should be commended for an excellent "catch" regarding adequate post maintenance testing on the Unit 3/4 Main Feedwater Regulators. Both individuals took a firm stand, refusing permission to allow maintenance, even though they were reassured that the PWO had adequate post maintenance test requirements. Excellent decision making; as they were right.

Reviewed By R. Wende Date 6-27-88 Actions Completed Date

Date

06/25/88

## Shift Report

Shift

Peaks

Shift Management

PSN Salkeld APSN Guyer NWE Eddinger

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

None

## B. Areas for Improvement/Recommendations/Actions Taken

The PSN receives daily chemistry reports in the Plan of the Day (POD). Some other mechanism needs to be established to provide the PSN with the daily chemistry reports on weekends or holidays when the POD is not generated.

## C. Good Practices/Professionalism Observed

Yes

Reviewed By BA Wende Date 6-27-88 Actions Completed \_\_\_\_\_ Date \_\_\_\_\_

Date 06/26/88

# Shift Report

Shift Mid

## Shift Management

PSN Harpel APSN Murphy NWE Spence

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

Over the past few days I've had to sign several On-The-Spot-Changes (OTSCs) to I&C Maintenance Procedures which require obtaining data from the Safety Assessment System (SAS). The data required was from equipment which hasn't had its inputs hooked up to the system as of yet. Testing requirements should not be included in a procedure until the hook ups are made and the PCM completed at which time the procedure can be updated.

### B. Areas for Improvement/Recommendations/Actions Taken

### C. Good Practices/Professionalism Observed

Reviewed By *DA Mando* Date 6-27-88 Actions Completed          Date

Date

06/26/88

# Shift Report

Shift

Day

## Shift Management

PSN

Harpel/Salkeld

APSN

Murphy

NWE

Spence

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

None

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

None

**C. Good Practices/Professionalism Observed**

None

Reviewed By

*D. Mende*

Date 6-27-88

Actions Completed

Date

Date 06/26/88

# Shift Report

Shift \_\_\_\_\_ Peaks \_\_\_\_\_

## 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**

Yes

Reviewed By *[Signature]* Date 6-27-88 Actions Completed \_\_\_\_\_ Date \_\_\_\_\_

22 22 22  
22 22 22



Date 06/27/88

# Shift Report

Shift Mld

## Shift Management

PSN Harpel APSN Guyer/Murphy NWE Eddinger

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

None

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

None

**C. Good Practices/Professionalism Observed**

Only the good extra effort by the weekend midnight Mechanical Maintenance foreman and his crew in taking out and closing up the Turbine Plant Cooling Water heat exchanger in super fast time, allowed us to go back up to 100% power after the turbine valve tests, without any holds on power due to secondary temperature.

Reviewed By *R. Mende* Date 6-27-88 Actions Completed \_\_\_\_\_ Date \_\_\_\_\_

