

February 20, 1990

Docket Nos. 50-335, 50-389
License Nos. DPR-67, NPF-16

Florida Power and Light Company
ATTN: Mr. J. H. Goldberg
Executive Vice President -
Nuclear
P. O. Box 14000
Juno Beach, FL 33408-0420

Gentlemen:

SUBJECT: SUMMARY OF MEETING HELD WITH FLORIDA POWER AND LIGHT (FP&L) TO
DISCUSS FINDINGS DURING LICENSED OPERATOR REQUALIFICATION
EXAMINATIONS

A meeting was held at the NRC Region II office on December 22, 1989, to discuss the results of the recent licensed operator requalification examination. Results of this examination are documented in NRC Examination Report No. 50-335/OL-89-02 dated January 24, 1990. The licensee described corrective actions taken and planned to correct deficiencies revealed by the examination. A copy of slides used by the licensee is provided as Enclosure 1 and an attendance list is provided as Enclosure 2. The licensee confirmed commitments made during the meeting in a letter from D. A. Sager to the NRC dated December 22, 1989.

Implementation of these commitments will be monitored during future inspections and licensed operator requalification examinations.

Sincerely,

(Original signed by J. L. Milhoan for)

Stewart D. Ebnetter
Regional Administrator

Enclosures:

1. Copy of FP&L Slides
2. Attendance List

cc w/encls:

D. A. Sager, Vice President
St. Lucie Nuclear Plant
P. O. Box 128
Ft. Pierce, FL 33454

cc cont'd: (See page 2)

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FLR ADOCK 05000335
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February 20, 1990

(cc continued)

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St. Lucie Nuclear Plant
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Ft. Pierce, FL 33454

J. B. Harper
Site QA Superintendent
St. Lucie Nuclear Plant
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Department of Health and
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Executive Office of the Governor
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Weldon B. Lewis
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2300 Virginia Avenue, Room 104
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State of Florida

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NRC Resident Inspector
U.S. Nuclear Regulatory Commission
7585 South Highway A1A
Jensen Beach, FL 33457

*SEE PREVIOUS CONCURRENCES

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TPeebles
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AGibson
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JMilhoan
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AGibson
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JMilhoan
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AGENDA

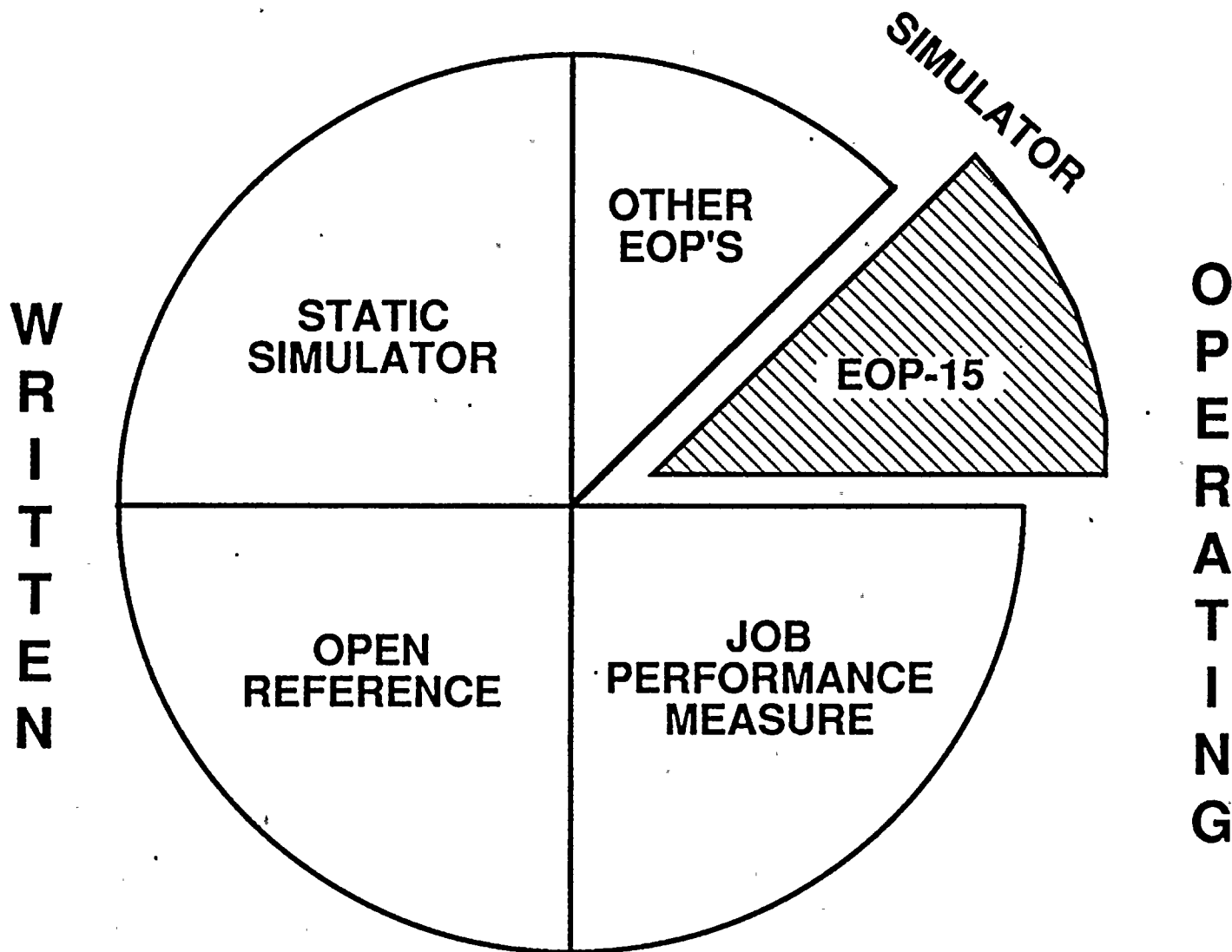
J.H. Goldberg
Executive Vice President Opening Remarks

G.J. Boissy
St. Lucie Plant Manager Introductions

M.D. Shepherd
**Operations Training Supervisor Problem Analysis and
Countermeasures**

G.J. Boissy Summary

REQUALIFICATION EXAMINATION





- **INCONSISTENT IMPLEMENTATION
STRATEGY
RECOVERY ACTIONS**

- **EXPECTATIONS
NRC
FPL**

- **PRIOR CORRECTIVE ACTION DID NOT ACHIEVE
DESIRED RESULTS**

OPERATORTASKPROCEDURE

1

COMMAND AND
CONTROL

EOP-6

2

COMMAND AND
CONTROL

EOP-15

3

PROCEDURE
USE

EOP-15

4

COMMAND AND
CONTROL

EOP-15

5

COMMAND AND
CONTROL

EOP-15

6

COMMAND AND
CONTROL

EOP-10

7

COMMAND AND
CONTROL

EOP-5

8

COMMAND AND CONTROL
PROCEDURE USEEOP-4
EOP-3

9

PROCEDURE
USE

EOP-4

10

BOARD
MANIPULATION

EOP-4

11

PROCEDURE
USE

EOP-15

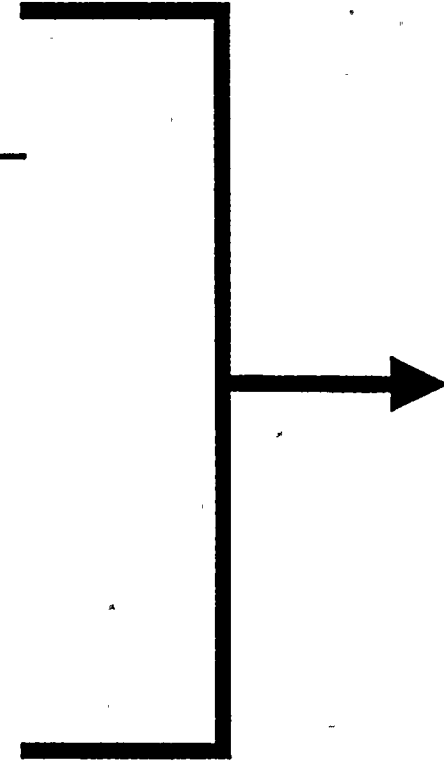
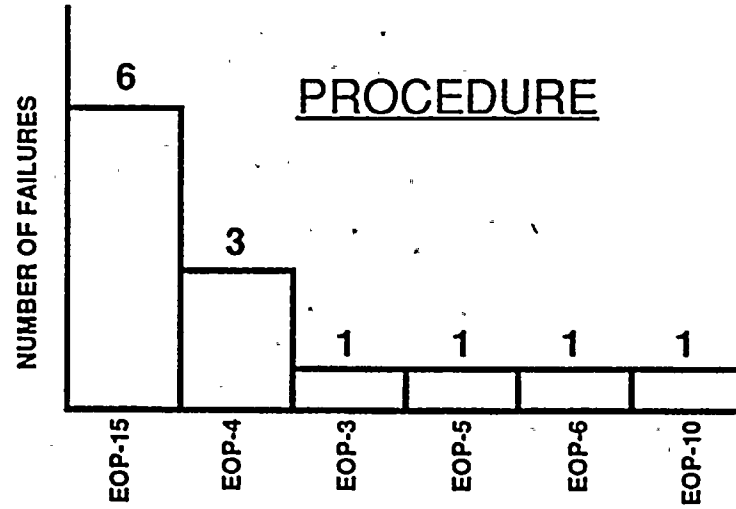
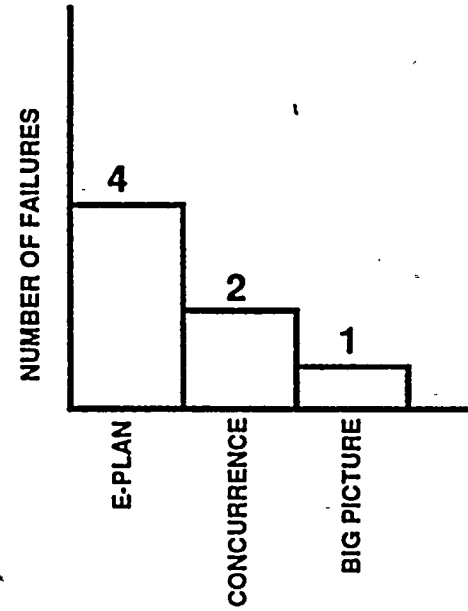
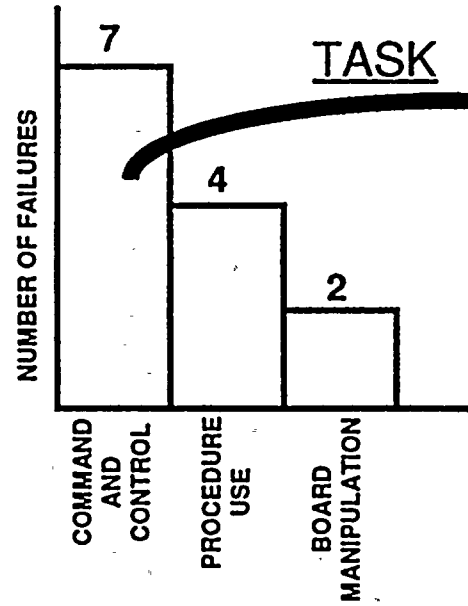
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BOARD
MANIPULATION

EOP-15

PROBLEM
ANALYSIS BY
TASKPROBLEM
ANALYSIS BY
PROCEDURE

PERFORMANCE ANALYSIS



ROOT CAUSE ANALYSIS

EOP-15					
EOP-4					
EOP-3					
EOP-5					
EOP-6					
EOP-10					
	E-PLAN	PROCEDURE USE	CONCURRENCE	BOARD MANIPULATION	BIG PICTURE

➔ PROBLEMS ACROSS MOST TASKS

ROOT CAUSE

- OPERATORS HAD NOT SEEN MULTI-EVENT ENTRY PRIOR TO EXAM
- PROCEDURE STILL NEEDS IMPROVEMENT IN HUMAN FACTORS

➔ MINOR PROBLEMS

ROOT CAUSE

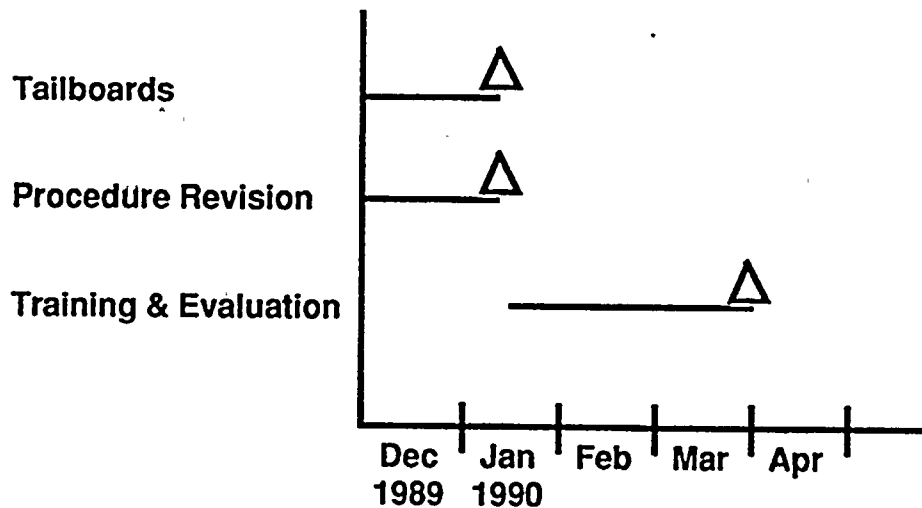
- CHANGED EVALUATION TECHNIQUE



COUNTERMEASURES

EOP-15

1. Operator Tailboard sessions
2. Training and evaluation on multi-event scenarios
3. Improve procedure human factors
4. Independent Evaluation





SUMMARY

- **MUCH WORK SINCE 1988**
- **MANY CHANGES**
 - ▶ **PROCEDURES**
 - ▶ **SIMULATOR**
 - ▶ **EXAMINATION METHODS**
- **PAST AND CURRENT OVERALL PERFORMANCE SATISFACTORY**
- **OPPORTUNITIES STILL EXIST**
- **WE ARE COMMITTED TO RESOLVE ALL CONCERNS AND TO HAVE PROPERLY TRAINED AND COMPETENT OPERATORS**

PSL EMERGENCY OPERATING PROCEDURES

EOP 1 STANDARD POST TRIP ACTIONS

EOP 1 REACTOR TRIP RECOVERY

EOP 3 LOSS OF COOLANT ACCIDENT

EOP 4 STEAM GENERATOR TUBE RUPTURE

EOP 5 EXCESS STEAM DEMAND

EOP 6 TOTAL LOSS OF FEEDWATER

EOP 9 LOSS OF OFFSITE POWER

EOP 10 STATION BLACKOUT

EOP 15 FUNCTIONAL RECOVERY

ENCLOSURE 2

ATTENDEES

FLORIDA POWER AND LIGHT

J. Goldberg, Executive Vice President
G. Boissy, Plant Manager, St. Lucie
P. Fincher, Training Superintendent
P. McCullough, Manager-Nuclear Training
C. Burton, Operations Supervisor
C. Madden, Principal Engineer
M. Shepherd, Operations Training Supervisor
J. Spodick, Licensed Operator Training Coordinator

NUCLEAR REGULATORY COMMISSION

S. Ebnetter, Regional Administrator
J. Milhoan, Deputy Regional Administrator
C. Hehl, Deputy Director, Division of Reactor Projects (DRP)
E. Merschoff, Deputy Director, Division of Reactor Safety (DRS)
T. Peebles, Chief, Operations Branch, DRS
C. Casto, Chief, Operator Licensing Section II, DRS
P. Kellogg, Chief, Operational Programs Section, DRS
R. Crlenjack, Chief, Reactor Projects Section 2B, DRP
S. Elrod, Senior Resident Inspector, DRP
S. Vias, Project Engineer, DRP
J. Norris, Project Manager, DRP