

March 10, 1998

LICENSEE: Duke Energy Corporation
FACILITY: Oconee Nuclear Station, Units 1, 2, and 3
SUBJECT: SUMMARY OF THE MARCH 4, 1998, MEETING ON THE STATUS OF THE OCONEE NUCLEAR STATION

On March 4, 1998, the NRC staff met with Duke Energy Corporation (Duke) management at the NRC headquarters in Rockville, Maryland, to discuss various issues related to the operation of the Oconee Nuclear Station, Units 1, 2, and 3. Enclosure 1 is the list of attendees and Enclosure 2 is the handout provided by Duke that summarizes the topics discussed.

ORIGINAL SIGNED BY:

David E. LaBarge, Senior Project Manager
Project Directorate II-2
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Docket Nos. 50-269, 50-270, and 50-287

Enclosures: 1. Attendance List
2. Handout

cc w/encls: See next page

Distribution (e-mail) w/encl. 1 only

SCollins/FMiraglia TMartin
BBoger MTschantz, RII
JZwolinski LPlisco, RII
HBerkow COgle, RII
LBerry GLainas
GHolahan BSheron

Distribution w/ encls. 1 & 2

Docket File
PUBLIC
PD II-2 Rdg.
DLaBarge
Licensee and Service List

11
DF01

100-40

NRC FILE CENTER COPY

9803160042 980310
PDR ADOCK 05000269
P PDR



To receive a copy of this document, indicate in the box: "C" = Copy without attachment/enclosure "E" = Copy with attachment/enclosure "N" = No copy

| | | | | | | |
|--------|-------------|-----------|----------|------|------|------|
| OFFICE | PM:PDII-2 | LA:PDII-2 | D:PDII-2 | | | |
| NAME | DLaBarge.cn | LBerry | HBerkow | | | |
| DATE | 3/10/98 | 3/10/98 | 3/10/98 | 1/98 | 1/98 | 1/97 |

DOCUMENT NAME: G:\OCONEE\MTG0304.SUM

OFFICIAL RECORD COPY



UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

March 10, 1998

LICENSEE: Duke Energy Corporation
FACILITY: Oconee Nuclear Station, Units 1, 2, and 3
SUBJECT: SUMMARY OF THE MARCH 4, 1998, MEETING ON THE STATUS OF
THE OCONEE NUCLEAR STATION

On March 4, 1998, the NRC staff met with Duke Energy Corporation (Duke) management at the NRC headquarters in Rockville, Maryland, to discuss various issues related to the operation of the Oconee Nuclear Station, Units 1, 2, and 3. Enclosure 1 is the list of attendees and Enclosure 2 is the handout provided by Duke that summarizes the topics discussed.

A handwritten signature in black ink, appearing to read "D. LaBarge", with a long horizontal line extending to the right.

David E. LaBarge, Senior Project Manager
Project Directorate II-2
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Docket Nos. 50-269, 50-270, and 50-287

Enclosures: 1. Attendance List
2. Handout

cc w/encls: See next page

Oconee Nuclear Station

cc:

Mr. Paul R. Newton
Duke Energy Corporation, PB05E
422 South Church Street
Charlotte, North Carolina 28242

J. Michael McGarry, III, Esquire
Winston and Strawn
1400 L Street, NW.
Washington, DC 20005

Mr. Robert B. Borsum
Framatome Technologies
Suite 525
1700 Rockville Pike
Rockville, Maryland 20852

Manager, LIS
NUS Corporation
2650 McCormick Drive, 3rd Floor
Clearwater, Florida 34619-1035

Senior Resident Inspector
U.S. Nuclear Regulatory Commission
7812B Rochester Highway
Seneca, South Carolina 29672

Regional Administrator, Region II
U. S. Nuclear Regulatory Commission
Atlanta Federal Center
61 Forsyth Street, SW, Suite 23T85
Atlanta, Georgia 30303

Max Batavia, Chief
Bureau of Radiological Health
South Carolina Department of Health
and Environmental Control
2600 Bull Street
Columbia, South Carolina 29201

County Supervisor of Oconee County
Walhalla, South Carolina 29621

Mr. Ed Burchfield
Compliance
Duke Energy Corporation
Oconee Nuclear Site
P. O. Box 1439
Seneca, South Carolina 29679

Ms. Karen E. Long
Assistant Attorney General
North Carolina Department of
Justice
P. O. Box 629
Raleigh, North Carolina 27602

L. A. Keller
Manager - Nuclear Regulatory
Licensing
Duke Energy Corporation
526 South Church Street
Charlotte, North Carolina 28242-0001

Mr. Richard M. Fry, Director
Division of Radiation Protection
North Carolina Department of
Environment, Health, and
Natural Resources
3825 Barrett Drive
Raleigh, North Carolina 27609-7721

Mr. William R. McCollum
Vice President, Oconee Site
Duke Energy Corporation
P. O. Box 1439
Seneca, South Carolina 29679

Meeting with Duke Energy Corporation

March 4, 1998

List of Attendees

NRC

F. Miraglia, Deputy Director, NRR
J. Zwolinski, Acting Director, DRPE, NRR
H. Berkow, Director, PD II-2, NRR
D. LaBarge, Oconee Project Manager, NRR
G. Lainas, Acting Director, DE, NRR
G. Holahan, Director, DSSA, NRR
B. Sheron, Acting Associate Director for Technical Review, NRR

Duke Energy Corporation

W. McCollum, Site Vice President
J. Forbes, Plant Manager
M. Nazar, Engineering Manager
W. Foster, Safety Assurance Manager

Oconee Nuclear Site Presentation
to
Office of Nuclear Reactor Regulation



W. R. McCollum, Site Vice President
J. S. Forbes, Station Manager
M. K. Nazar, Engineering Manager
W. W. Foster, Safety Assurance Manager

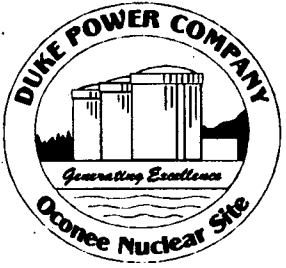
March 4, 1998

Duke Energy Corporation/Oconee Nuclear Site



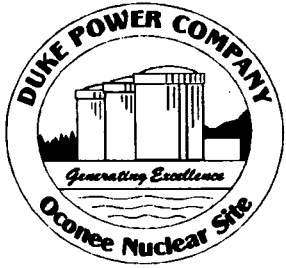
Agenda

- Purpose of Meeting
- Plant Status
- Management Team
- Recovery Plan
- Self Assessment/Corrective Action
- Station Focus Areas
- Engineering Focus Areas
- NRC Issues/Concerns
- Other Topics of Interest
- Comments/Questions



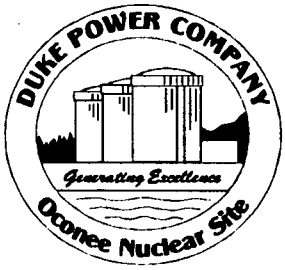
Purpose of Meeting

- Improve site management/NRR interface
- Discuss current performance trends
- Overview of Oconee Recovery Plan
- Discuss issues of mutual interest

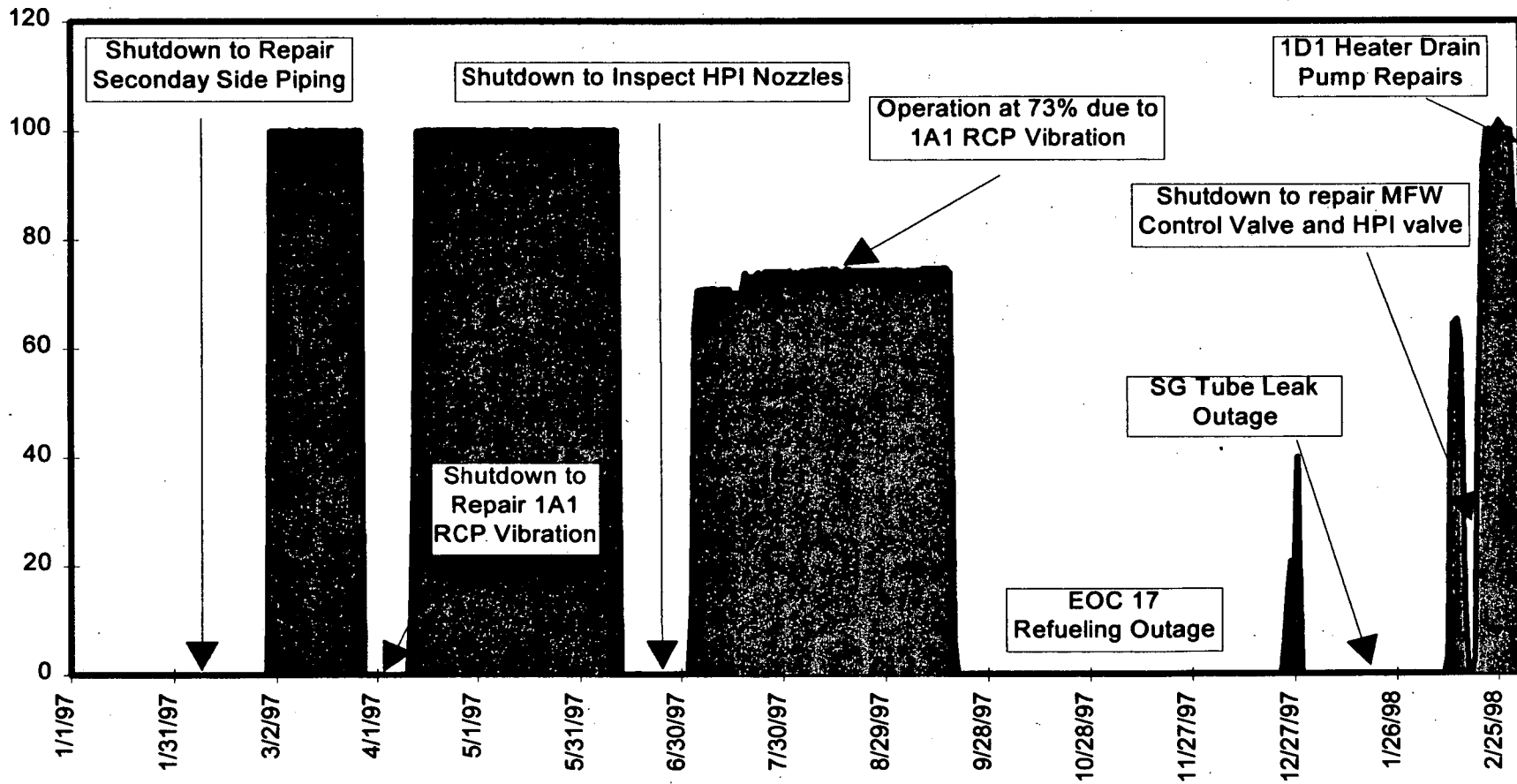


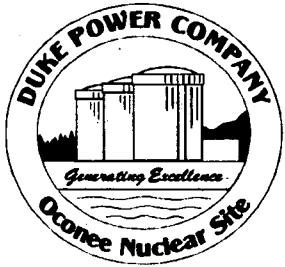
Plant Status

- All three units are operating
- Recently completed Unit 1 refueling outage
 - Integrated Control System and Operator Aid Computer replacements
 - Service water modifications
 - Reactor coolant pump repairs
 - Steam generator repairs
- Unit 2 refueling outage starts in March
 - Planned 55 day outage
 - Integrated Control System and Operator Aid Computer replacements
 - Service water modifications
- Unit 3 refueling outage this fall

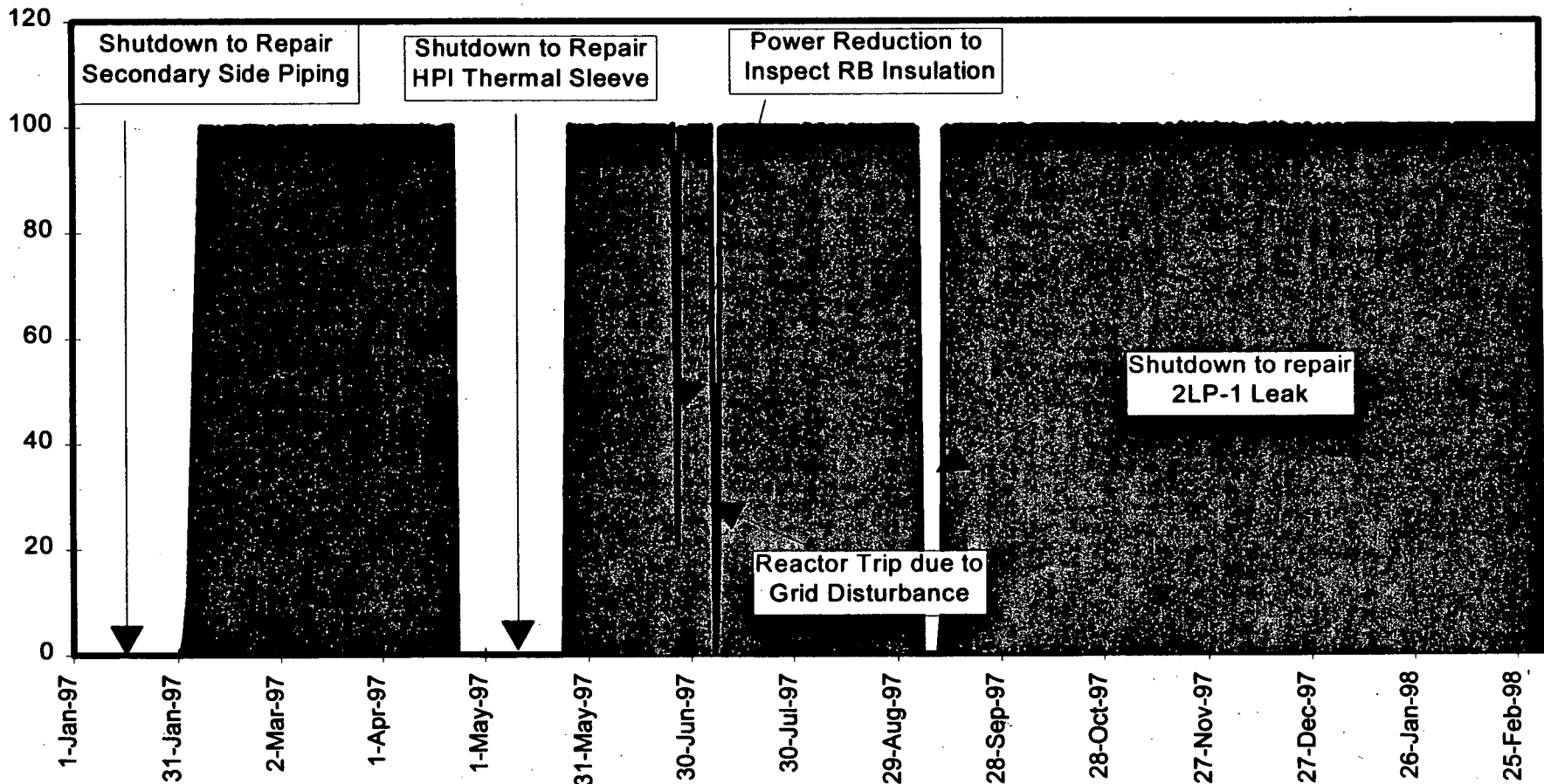


Plant Status (Unit 1 Power History)



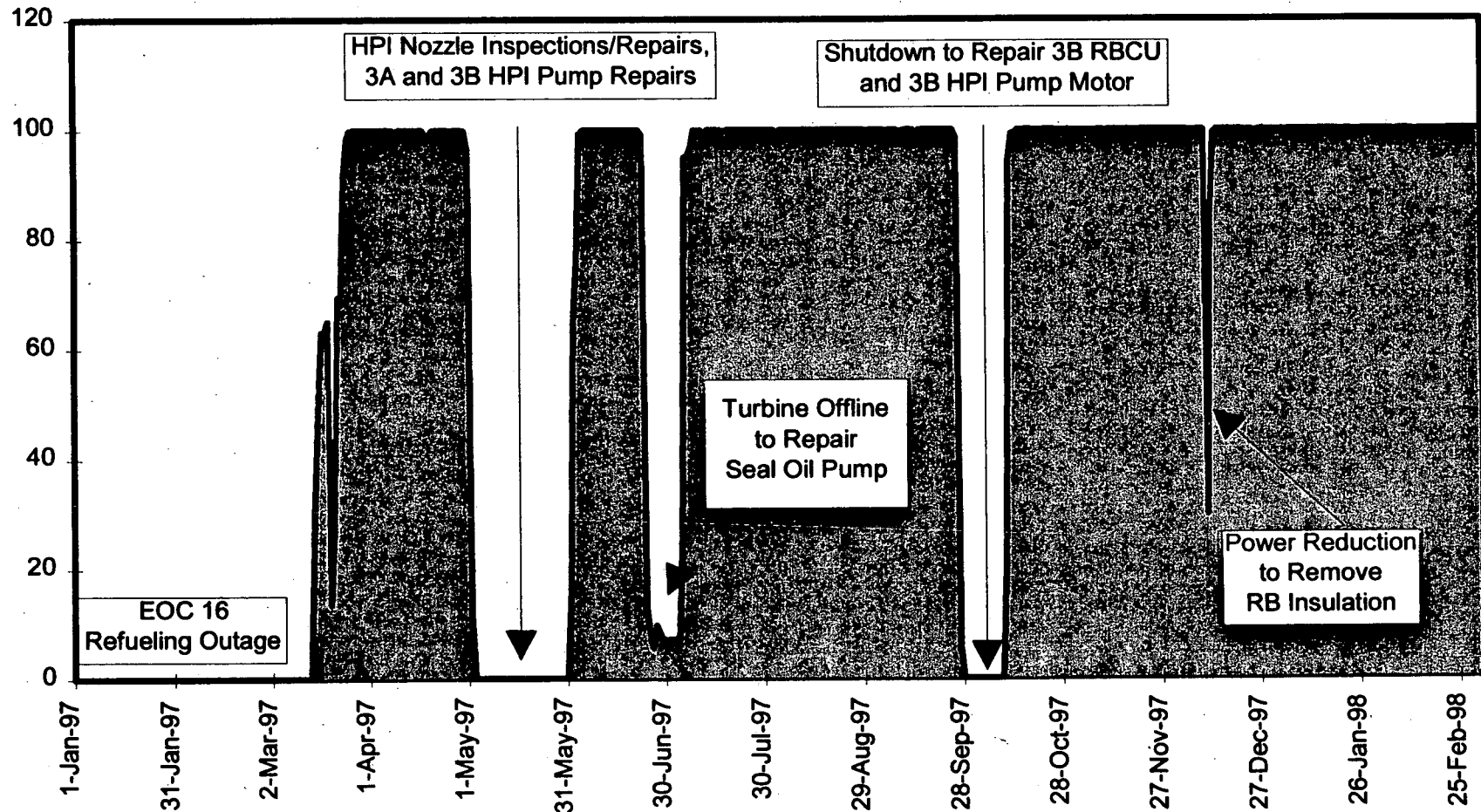


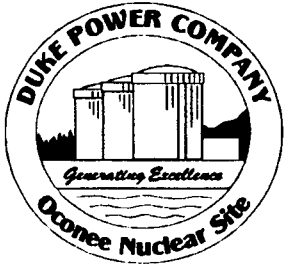
Plant Status (Unit 2 Power History)



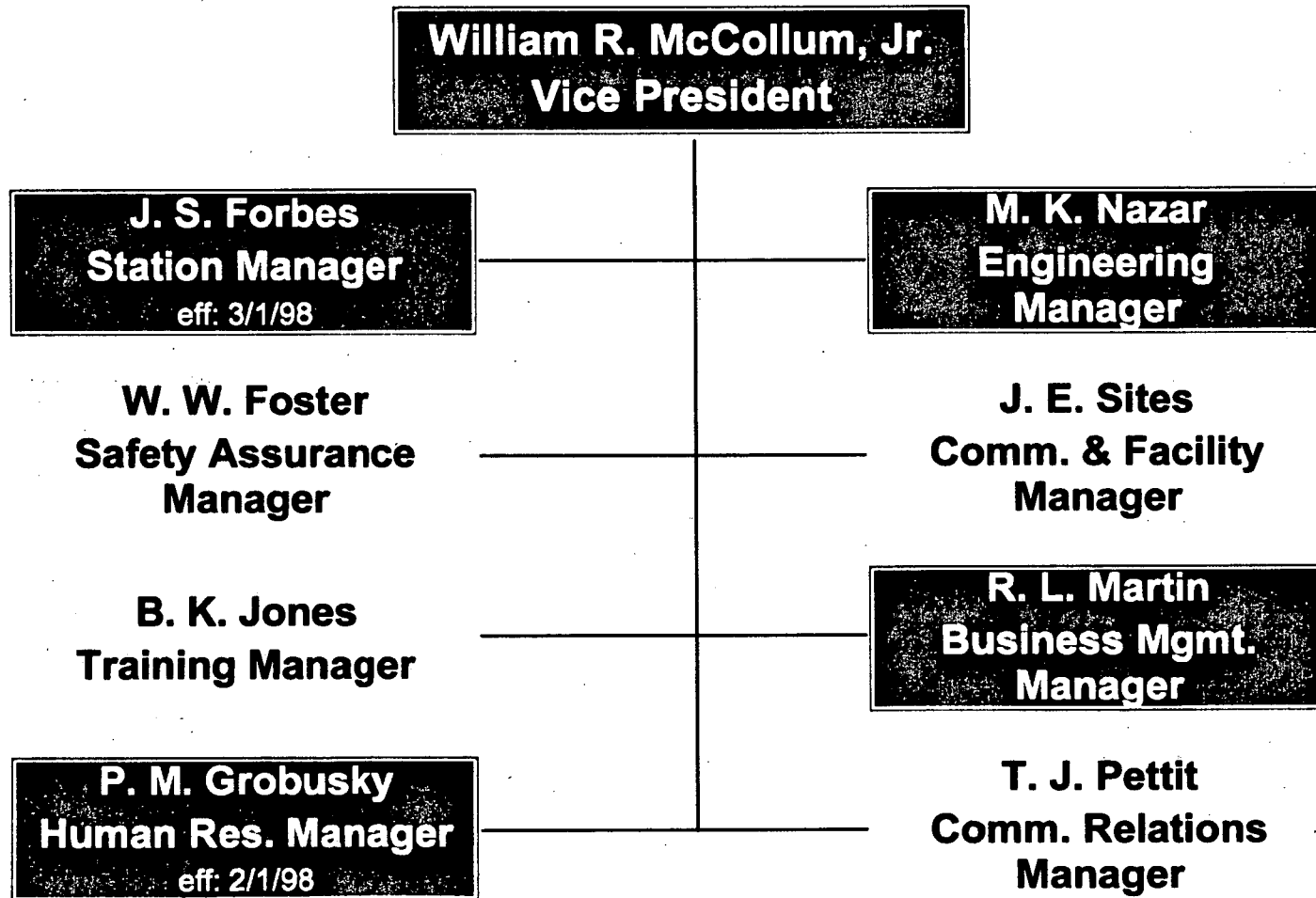


Plant Status (Unit 3 Power History)





Management Team

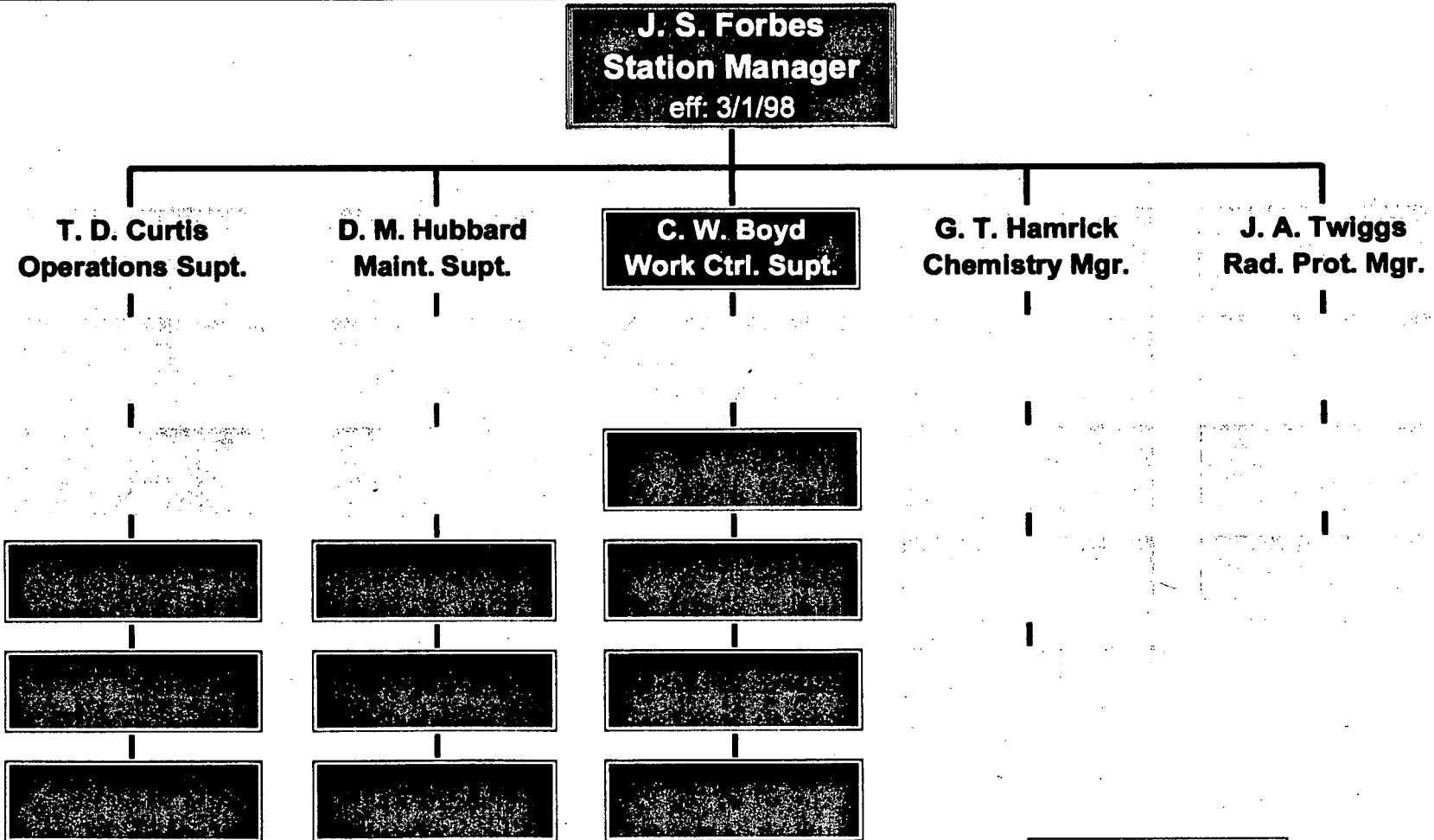


Duke Energy Corporation/Oconee Nuclear Site

Mgmt. Changes

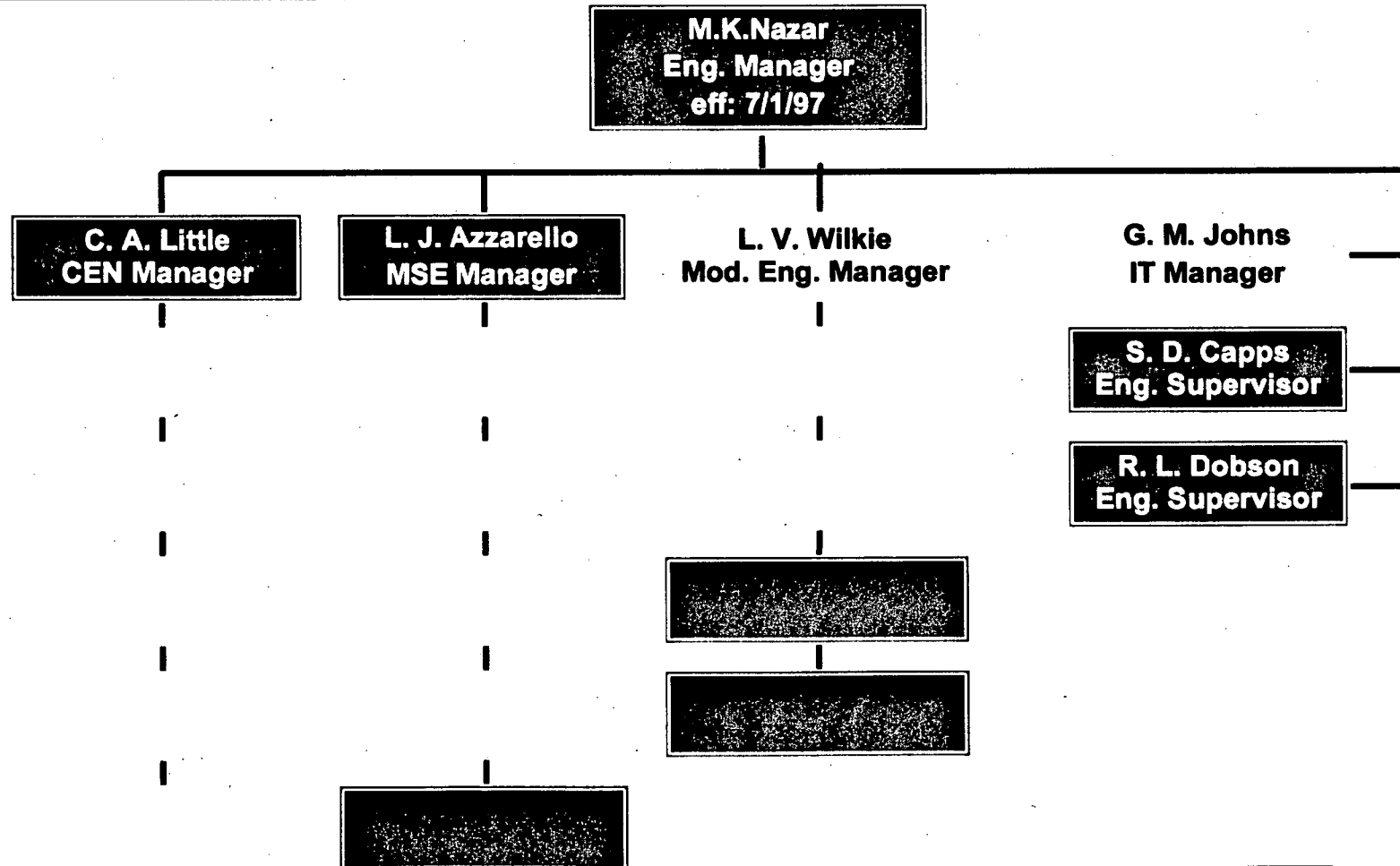


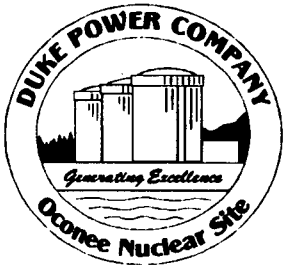
Management Team





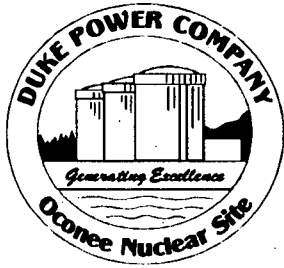
Management Team





Oconee Recovery Plan

- Mid-1997 assessment of performance
- Oconee Recovery Plan implemented in July of 1997
- Making improvements, but getting mixed results
- Bi-monthly updates with Region II



Current Performance

- Making progress
- Reviewing recent incidents
- Recovery Plan is a living document
- Continuously assessing performance improvement and monitoring progress

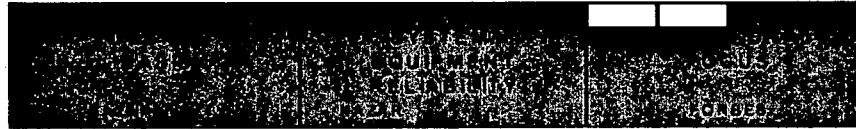
1998 RECOVERY PLAN FOCUS AREAS

Operational Quality and Safety of Operations



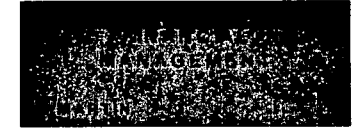
| | | | |
|--|--|---|--|
| | | PIP Activity Backlog (> 6 months old) R S Matheson 25% | |
| Pre-Job/Post-Job Briefs T K McQuarrie 30% | | PIP Quality R T Bond 25% | |
| Culture Index NGD measure 10% | | | |
| Self Identified Problems R T Bond 30% | | Enhance SRG Self Assessment Processes R T Bond 25% | |

Production



| | | | |
|--|--|---|--|
| | | Problem Prevention Index L J Azzarello 20% | |
| | | Technical Quality of Operating Procedures T D Curtis 10% | |
| | | System Reliability Performance Index L J Azzarello 10% | |

Financial Management

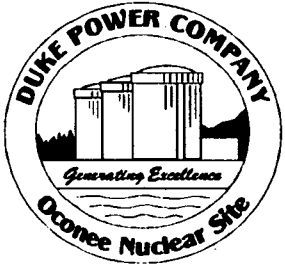


| | |
|---|--|
| Outage Performance R M Weatherford 50% | |
|---|--|

KEY

| | |
|--------|----------------------|
| RED | 1.0-1.99 POINTS |
| YELLOW | 2.0 - 2.69 POINTS |
| GREEN | 2.7 - 3.0 POINTS |
| WHITE | 0 POINT (Unreported) |

| | | | | |
|----------------------|-----------------------------|-------|-------|-------|
| QUARTERLY STATUS YTD | 1Q 97 | 2Q 97 | 3Q 97 | 4Q 97 |
| CURRENT STATUS | (MEASURE) (EXPERT) (pg.) | | | |



Site Direction

- Cultural changes
 - Management standards and expectations
 - Lower threshold for identifying problems
 - Self assessment and benchmarking
 - Process improvements
 - Operational focus
 - Human performance
- Management of programs
 - Design basis
 - Equipment and system reliability



Self Assessment

- Management and supervisor observations and group assessments
- Strengthened independent Oconee Safety Review Group and restructured along SALP disciplines
- Increased benchmarking efforts
- More focused investigations
- Industry, INPO, and Nuclear Safety Review Board feedback



Corrective Action Program

- Problem Investigation Process (PIP)
 - Effective process
 - Problems prioritized based on significance
 - Root cause
 - Trends
 - Corrective actions
 - Focus on implementation of process
- Manage PIP backlog
- Improve quality of PIPs



Station Focus Areas

- Human Performance
- Operations Focus
- Housekeeping
- Work Control Process
- Backlog Control
- Outage Success



Engineering Focus Areas

- **System and Equipment Reliability**
 - Numerous initiatives being implemented
 - Goals and measures established
 - More energy on prevention and detection
- **Focus on supporting station operation**

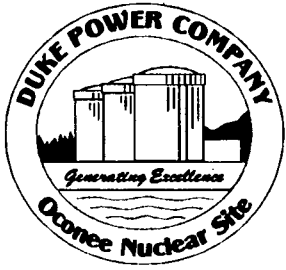


Engineering Focus Areas

- Design Basis
 - UFSAR Review
 - Service Water Upgrade
 - HPI/LPI SITA and HPI Reliability Study
 - Improved Tech Specs
 - Emergency Power
 - Configuration Management
 - Others



NRC Issues/Concerns



Other Topics of Interest

- License Renewal
- Steam Generator Replacement
- Dry Cask Storage



Comments/Questions