

*official*

JAN 10 1991

Docket Nos. 50-325, 50-324, 50-261  
50-400  
License Nos. DPR-71, DPR-62, DPR-23  
NPF-63

Carolina Power and Light Company  
ATTN: Mr. Lynn W. Eury  
Executive Vice President  
Power Supply  
P. O. Box 1551  
Raleigh, NC 27602

Gentlemen:

SUBJECT: MEETING SUMMARY - BRUNSWICK, H. B. ROBINSON AND SHEARON HARRIS

This refers to the Management Meeting held at your suggestion in the Region II Office on January 3, 1991. The purpose of the meeting was to provide a more detailed presentation of your Nuclear Assessment Program. A list of attendees, a summary, and a copy of your handout are enclosed.

It is our opinion that this meeting was beneficial in that it provided a better understanding of the functions and interactions intended for the three levels of nuclear assessment recently established at CP&L. As expressed during the meeting, we look forward to a followup status meeting in about six months.

In accordance with Section 2.790 of the NRC's "Rules of Practice," Part 2, Title 10, Code of Federal Regulations, a copy of this letter and its enclosures will be placed in the NRC Public Document Room.

Should you have any questions concerning this matter, please contact us.

Sincerely,

(Original signed by EMerschhoff/for)

Luis A. Reyes, Director  
Division of Reactor Projects

Enclosures:

- 1. List of Attendees
- 2. Meeting Summary
- 3. Licensee Handout

cc w/encls: (See page 2)

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JAN 10 1991

cc w/encls:

R. B. Starkey, Jr.  
Vice President  
Brunswick Nuclear Project  
P. O. Box 10429  
Southport, NC 28461

J. L. Harness  
Plant General Manager  
Brunswick Steam Electric Plant  
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R. E. Jones, General Counsel  
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Board of Commissioners  
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Dayne H. Brown, Director  
Division of Radiation Protection  
N. C. Department of Environmental,  
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Robert P. Gruber  
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C. R. Dietz, Manager  
Robinson Nuclear Project Department  
H. B. Robinson Steam Electric Plant  
P. O. Box 790  
Hartsville, SC 29550

(cc w/encls continued - See page 3)

JAN 10 1991

(cc w/encls cont'd)  
J. J. Sheppard, Plant General Manager  
H. B. Robinson Steam Electric Plant  
P. O. Box 790  
Hartsville, SC 29550

Heyward G. Shealy, Chief  
Bureau of Radiological Health  
Dept. of Health and Environmental  
Control  
2600 Bull Street  
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McCuen Morrell, Chairman  
Darlington County Board of Supervisors  
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J. D. Kloosterman, Director  
Regulatory Compliance  
H. B. Robinson Steam  
Electric Plant  
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R. B. Richey, Vice President  
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C. S. Hinnant  
Plant General Manager  
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C. S. Olexik, Jr., Director  
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✓ cc w/encls:  
Document Control Desk  
H. Christensen, RII  
T. Le, NRR  
R. Lo, NRR  
R. Becker, NRR

(bcc w/encls continued - See page 4)

JAN 10 1991

(bcc w/encls cont'd)  
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U.S. Nuclear Regulatory Commission  
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NRC Resident Inspector  
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NRC Resident Inspector  
U.S. Nuclear Regulatory Commission  
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RII:DRP  
*[Signature]*  
Rearroll  
01/9/91

RII:DRP  
*[Signature]*  
HChristensen  
01/17/91

RII:DRP  
*[Signature]*  
DVerrelli  
01/10/91

RII:DRP  
*[Signature]*  
Merschhoff  
01/10/91

ENCLOSURE 1

LIST OF ATTENDEES

Carolina Power and Light Company

R. A. Watson, Senior Vice President, Nuclear Operations  
K. R. Karr, Special Assistant to Senior Vice President, Nuclear Operations  
G. E. Vaughn, Vice President, Nuclear Services Department  
L. I. Loflin, Manager, Nuclear Assessment Department  
A. M. Lucas, Manager, Nuclear Engineering Department  
S. D. Floyd, Manager, Nuclear Licensing  
H. W. Bowles, Assistant to Department Head, Corporate Quality Assurance  
P. D. Morris, Senior Specialist, Nuclear Licensing

Nuclear Regulatory Commission

S. D. Ebnetter, Regional Administrator, Region II (RII)  
J. L. Milhoan, Deputy Regional Administrator, RII  
L. A. Reyes, Director, Division of Reactor Projects (DRP), RII  
E. W. Merschhoff, Deputy Director, DRP, RII  
A. F. Gibson, Director, Division of Reactor Safety (DRS), RII  
D. M. Verrelli, Chief, Reactor Projects Branch 1, DRP, RII  
H. O. Christensen, Chief, Reactor Projects Section 1A, DRP, RII  
F. Jape, Chief, Test Programs Section, DRS, RII  
R. A. Becker, Project Manager, Project Directorate II-1, Office of Nuclear Reactor Regulation (NRR)  
E. M. McKenna, Section Chief, Performance & Quality Evaluation Branch, NRR  
L. W. Garner, Senior Resident Inspector - Robinson, DRP, RII  
R. L. Prevatte, Senior Resident Inspector - Brunswick, DRP, RII  
J. E. Tedrow, Senior Resident Inspector - Harris, DRP, RII  
R. E. Carroll, Jr., Project Engineer, DRP, RII  
B. A. Breslau, Reactor Inspector, DRS, RII  
G. A. Hallstrom, Reactor Inspector, DRS, RII



## ENCLOSURE 2

### MEETING SUMMARY

The Regional Administrator opened the meeting by expressing NRC's interest in CP&L's Nuclear Assessment Program. With that, CP&L began their presentation by explaining that their Nuclear Assessment Program now consists of three levels of self assessment--the project level, the corporate level via the Nuclear Services Department (NSD), and an independent level accomplished by the newly established Nuclear Assessment Department (NAD). As presented, corporate objectives include establishment of a positive self assessment environment, thereby promoting early self identification of potential problems and effective corrective actions.

With plans to eliminate the Quality Assurance Department (QAD) in the near future, CP&L emphasized that the nuclear projects have primary accountability for quality, nuclear safety performance, plant reliability, and project level self assessment. Being the focal point of the second level of nuclear assessment, the stated mission of the NSD is to provide proactive support to nuclear plant operations, be the catalyst stimulating the Nuclear Generator Group to higher levels of excellence, and monitor/review nuclear plant activities. Indicated as a significant part of NSD's monitoring/review function is the corporate and plant peer management interaction in the areas of operations, maintenance, environmental and radiological controls, technical support, security, emergency preparedness, and outages/modifications. Accordingly, the results of this monitoring/review function are to be presented quarterly to the Senior Vice President - Nuclear Operations.

As the primary accountability for quality performance and self-assessment is to be focused in the nuclear line and support departments, CP&L indicated that the NAD's sole role is to conduct all independent internal nuclear assessment activities (i.e., the third level of assessment). As described, NAD's primary functions include evaluating the effectiveness of the production organization, identifying/ensuring correction of barriers, and accomplish independent oversight tasks required by CP&L licenses. CP&L indicated that the independence and clout of the recently established NAD is assured through its direct reporting to the Executive Vice President - Power Supply. In addition to the establishment of the NAD, CP&L also discussed the related reorganization to move support functions into support departments and the absorption of various QA functions once the QA department is eliminated.

The Regional Administrator closed the meeting by thanking CP&L for their time and suggested a status meeting be scheduled in approximately six months. CP&L agreed, and the meeting was adjourned.

SELF ASSESSMENT PRESENTATION

JANUARY 3, 1991

AGENDA

OPENING & INTRODUCTIONS WATSON

- \* PURPOSE
- \* OBJECTIVES AND NECESSITIES
- \* FUNCTIONS AND STRUCTURES
- \* INTRODUCTION OF SPEAKERS

NUCLEAR SERVICES DEPARTMENT VAUGHN

NUCLEAR ASSESSMENT DEPARTMENT LOFLIN

OVERALL SUMMARY AND  
CLOSING REMARKS WATSON

**SELF ASSESSMENT PRESENTATION**

**PURPOSE**

**TO DESCRIBE SELF ASSESSMENT  
INITIATIVES AT  
CP&L**



## SELF ASSESSMENT PRESENTATION

### CORPORATE OBJECTIVES

- AS ALWAYS SAFETY IS #1
- EARLY SELF IDENTIFICATION OF POTENTIAL PROBLEMS
- EFFECTIVE CORRECTIVE ACTIONS
- POSITIVE SELF ASSESSMENT ENVIRONMENT

## SELF ASSESSMENT PRESENTATION

### NECESSARY CONDITIONS FOR STRONG SAFETY PERFORMANCE

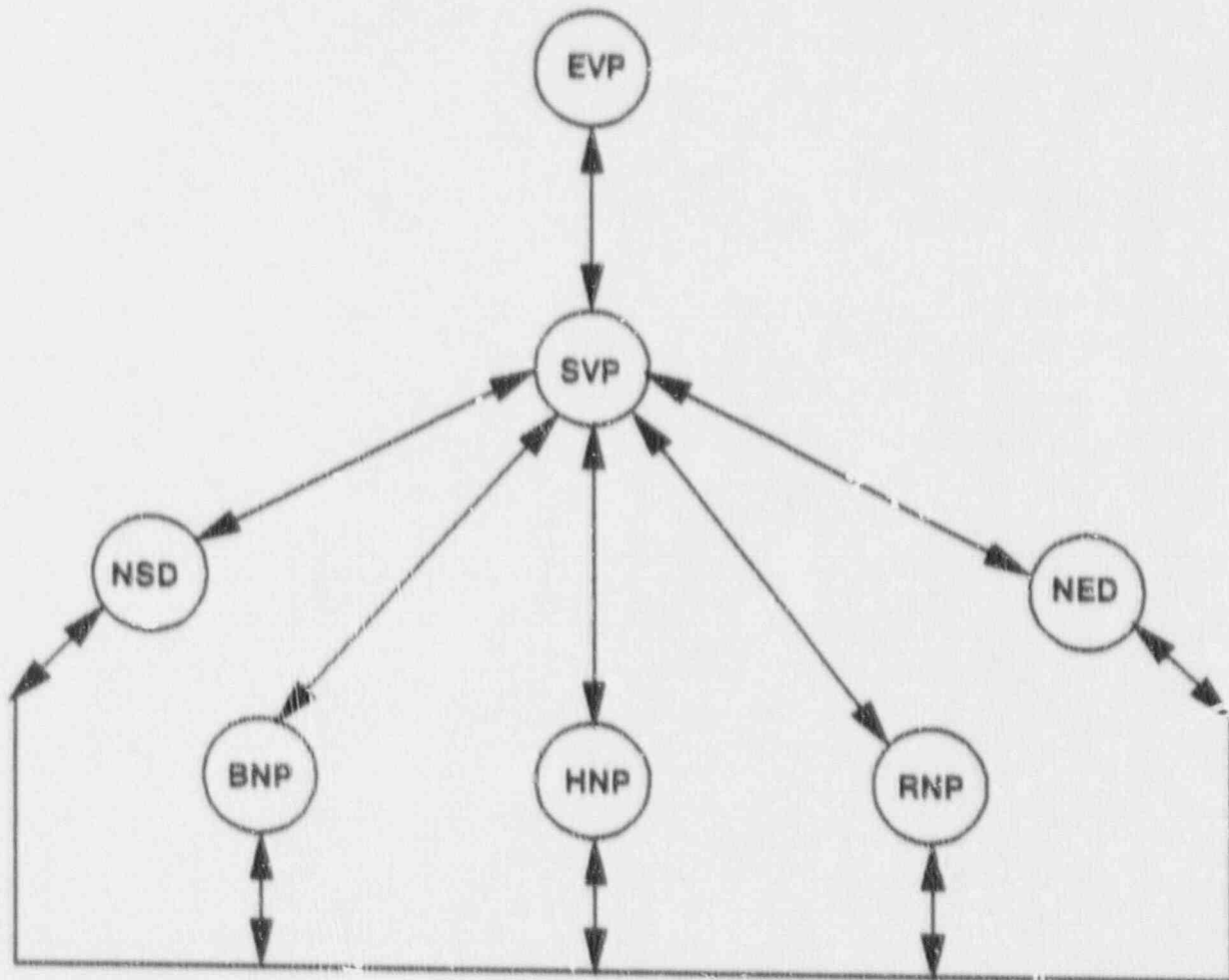
- ORGANIZE AND EMPOWER
- SET EXPECTATIONS AND ACCOUNTABILITIES

#### INCLUDES:

- SELF ASSESSMENT ATTITUDES
  - REGULATORY COMPLIANCE
- 
- IMPLEMENTATION
  - MONITORING AND FEEDBACK
  - EFFECTIVE CORRECTIVE ACTION
    - ROOT CAUSE ANALYSIS
    - REOCCURRENCE PREVENTION

## SELF ASSESSMENT PRESENTATION

### FIRST LEVEL OF SELF ASSESSMENT



EVP - Executive Vice President  
SVP - Senior Vice President

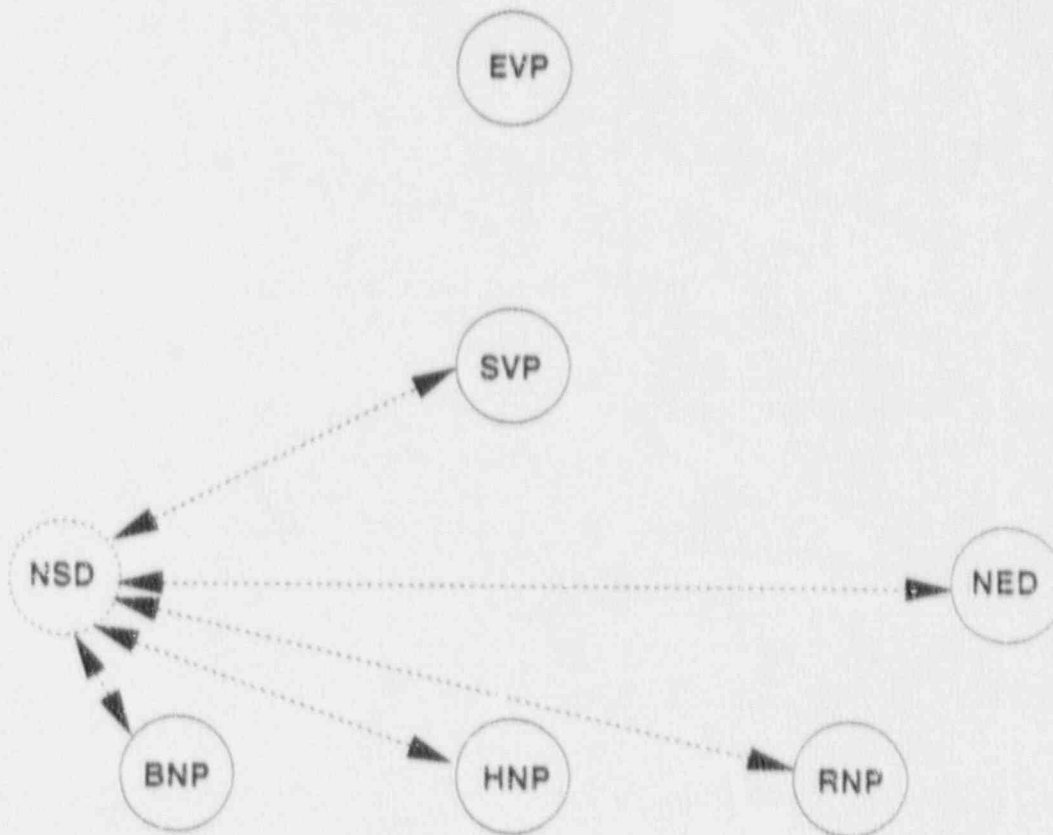
## SELF ASSESSMENT PRESENTATION

### PROJECT LEVEL

- ◆ NUCLEAR PROJECTS HAVE  
PRIMARY ACCOUNTABILITY FOR:
  - NUCLEAR SAFETY PERFORMANCE
  - QUALITY
  - PLANT RELIABILITY
  - PROJECT LEVEL SELF ASSESSMENT
  
- ◆ PROJECT LEVEL SELF ASSESSMENT
  - INDIVIDUAL SELF CHECKS
  
  - MANAGEMENT AND SUPERVISION
    - PERFORMANCE INDICATORS
    - WORK MONITORING
  
  - HUMAN PERFORMANCE EVALUATION SYSTEM
  
  - CORRECTIVE ACTION PROGRAM
  
  - SENIOR MANAGEMENT INTERACTION

## SELF ASSESSMENT PRESENTATION

### SECOND LEVEL OF SELF ASSESSMENT



EVP - Executive Vice President

SVP - Senior Vice President

NSD - Nuclear Services Department

# SELF ASSESSMENT PRESENTATION

## NSD MISSION

The mission of the Nuclear Services Department is to provide **PROACTIVE**, centralized support for safe, reliable, and cost-effective nuclear plant operation, to be **THE CATALYST STIMULATING THE NUCLEAR GENERATION GROUP TO HIGHER LEVELS OF EXCELLENCE**, and, in the department's areas of responsibility to:

- † Lead and coordinate the attainment of appropriate consistency of programs and standards within the Nuclear Generation Group.

### ◆ **MONITOR AND REVIEW NUCLEAR PLANT ACTIVITIES.**

- † Share emerging industry issues and current operating experience feedback.
- † Provide high quality programs for training, qualification, and development of nuclear generation group personnel.
- † Provide high integrity fuel on schedule at low cost and nuclear fuel analytical services for the Nuclear Generation Group.
- † Assume responsibility for special projects as assigned.

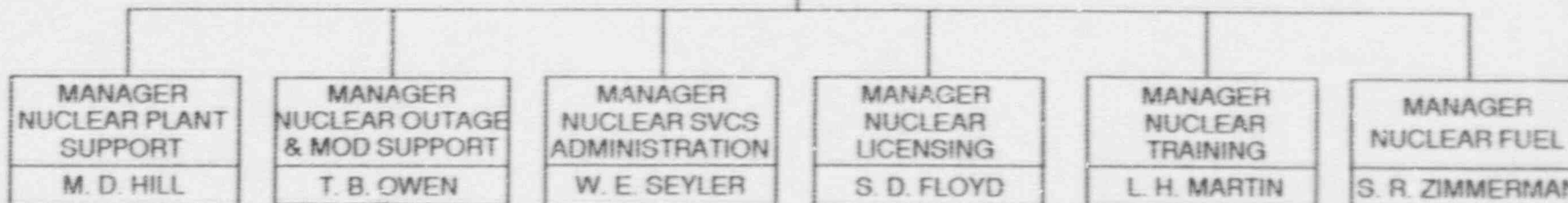


VICE PRESIDENT  
NUCLEAR SERVICES DEPARTMENT

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G. E. VAUGHN

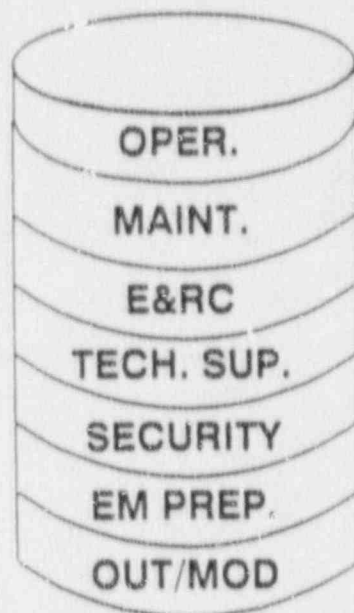
STAFF  
M. F. THOMPSON  
B. H. WEBSTER



- |                          |                        |                     |                         |                          |                              |
|--------------------------|------------------------|---------------------|-------------------------|--------------------------|------------------------------|
| • OPERATIONS             | • OUTAGE & MOD SUPPORT | • BUSINESS PLANNING | • BNP LICENSING         | • BNP TRAINING           | • FUEL PROJECTS              |
| • MAINTENANCE            |                        | • COMPUTER SUPPORT  | • HNP LICENSING         | • HNP TRAINING           | • TRANSIENT ANALYSIS         |
| • TECH. SUPPORT          | • CRAFT RESOURCES      | • ADMIN. SUPPORT    | • RNP LICENSING         | • RNP TRAINING           | • IN-CORE ANALYSIS           |
| • SECURITY               |                        | • TOTAL QUALITY     | • SPECIAL NUC. PROGRAMS | • HE&EC TRAINING         | • METHODS DEVELOP. & SUPPORT |
| • RADIATION PROTECTION   |                        |                     | • GENERIC ISSUES        | • CURRICULUM DEVELOPMENT | • FUEL PERFORMANCE           |
| • CHEMISTRY              |                        |                     | • INPO                  |                          | • SPENT FUEL MGMT.           |
| • EMERGENCY PREPAREDNESS |                        |                     | • NUMARC                |                          |                              |

**SELF ASSESSMENT PRESENTATION**  
**NSD MONITORING AND REVIEW FUNCTION**

**CORPORATE AND PLANT  
PEER MANAGEMENT  
INTERACTION**



• **MONITOR**

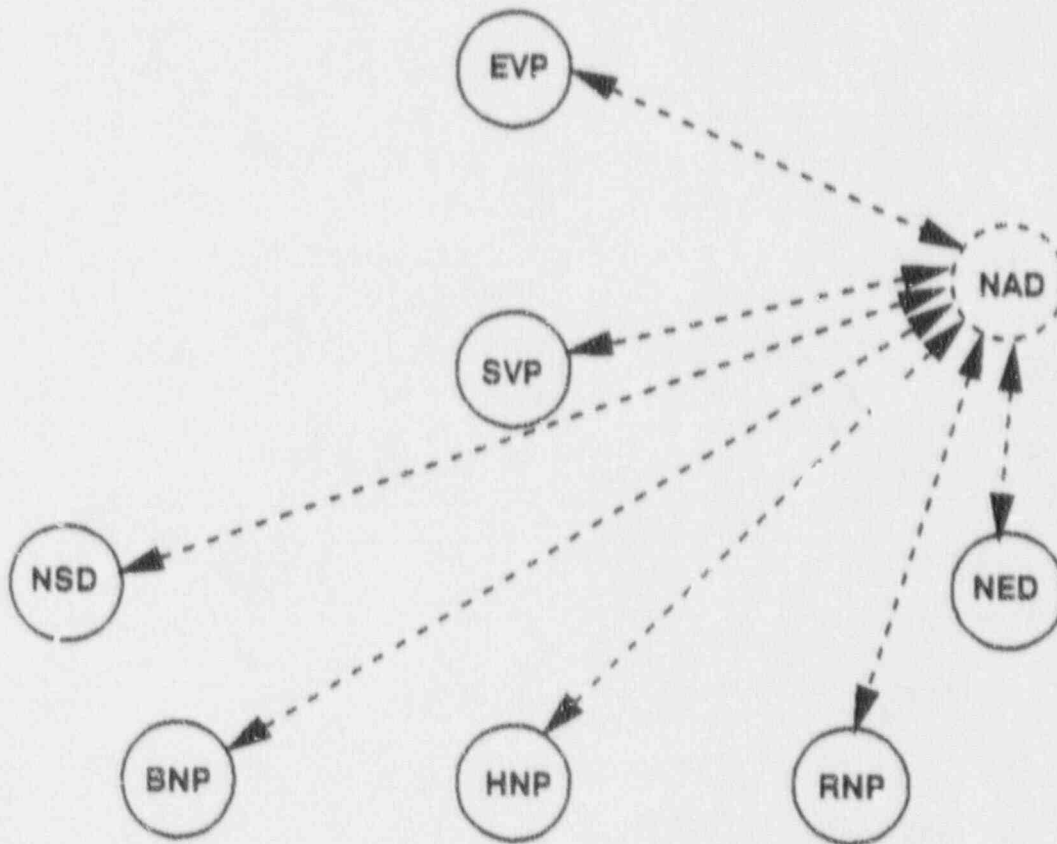
- **CRITICAL SUCCESS FACTORS AND SUPPORTING PARAMETERS**
- **DATA EVALUATION AND TRENDING**
- **PROACTIVE PROBLEM IDENTIFICATION AND RESOLUTION SUPPORT**
- **MULTI-LEVEL COMMUNICATION**

• **REVIEW**

- **PEER MANAGER OBSERVATION OF PLANT ACTIVITIES**
- **SECOND LEVEL SELF ASSESSMENT**

# SELF ASSESSMENT PRESENTATION

## THIRD LEVEL OF SELF ASSESSMENT



**EVP - Executive Vice President**

**SVP - Senior Vice President**

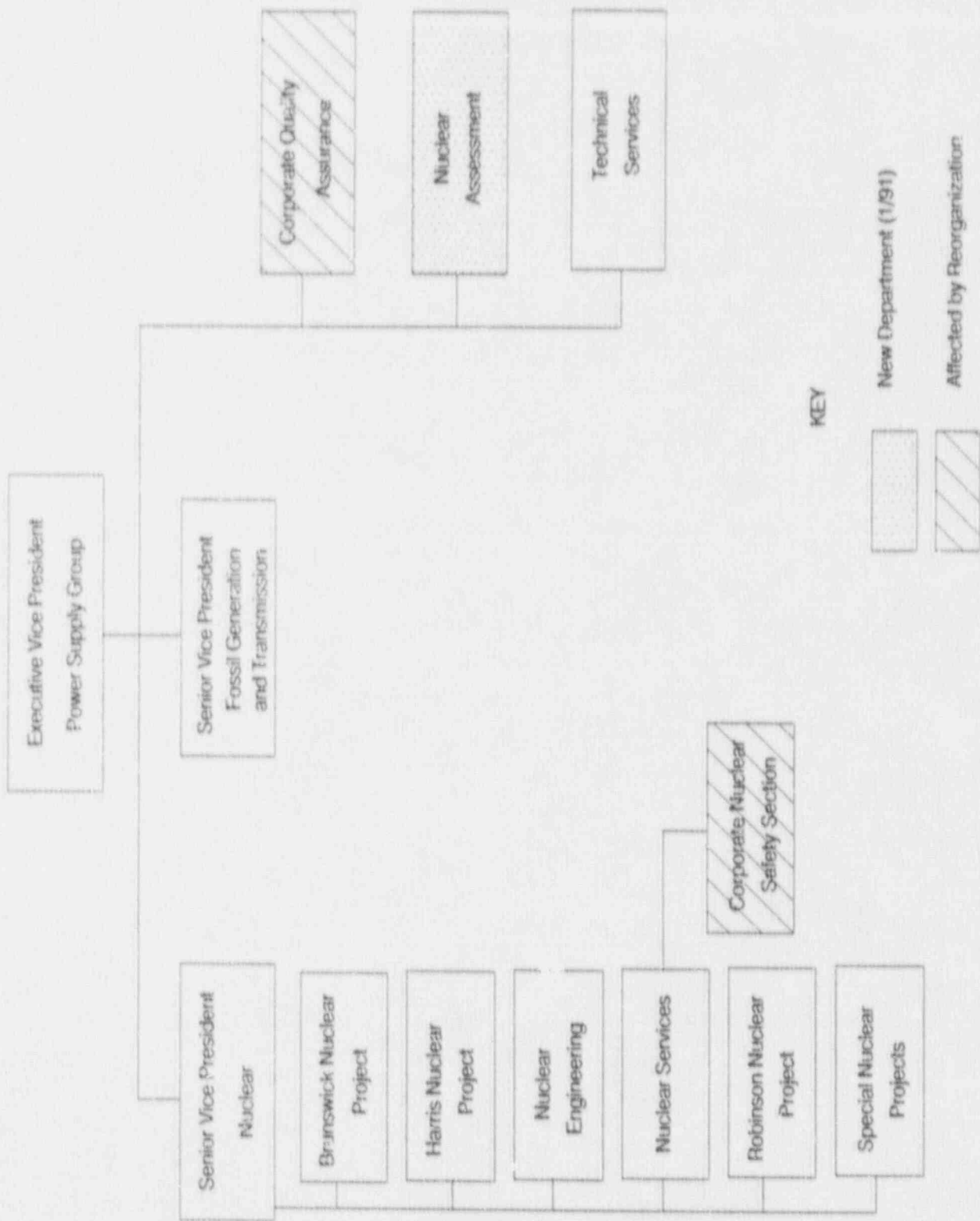
**NAD - Nuclear Assessment Department**

## SELF ASSESSMENT PRESENTATION



### ASSESSMENT DIRECTION

- FOCUS THE PRIMARY ACCOUNTABILITY FOR QUALITY PERFORMANCE AND SELF-ASSESSMENT IN THE NUCLEAR LINE AND SUPPORT DEPARTMENTS.
  
- CONSOLIDATE INDEPENDENT INTERNAL NUCLEAR ASSESSMENT ACTIVITIES INTO A SINGLE DEPARTMENT WHOSE SOLE ROLE IS ASSESSMENT.
  - THIRD LEVEL SELF ASSESSMENT
  
- MOVE SUPPORT FUNCTIONS INTO SUPPORT DEPARTMENTS.

# SELF ASSESSMENT PRESENTATION

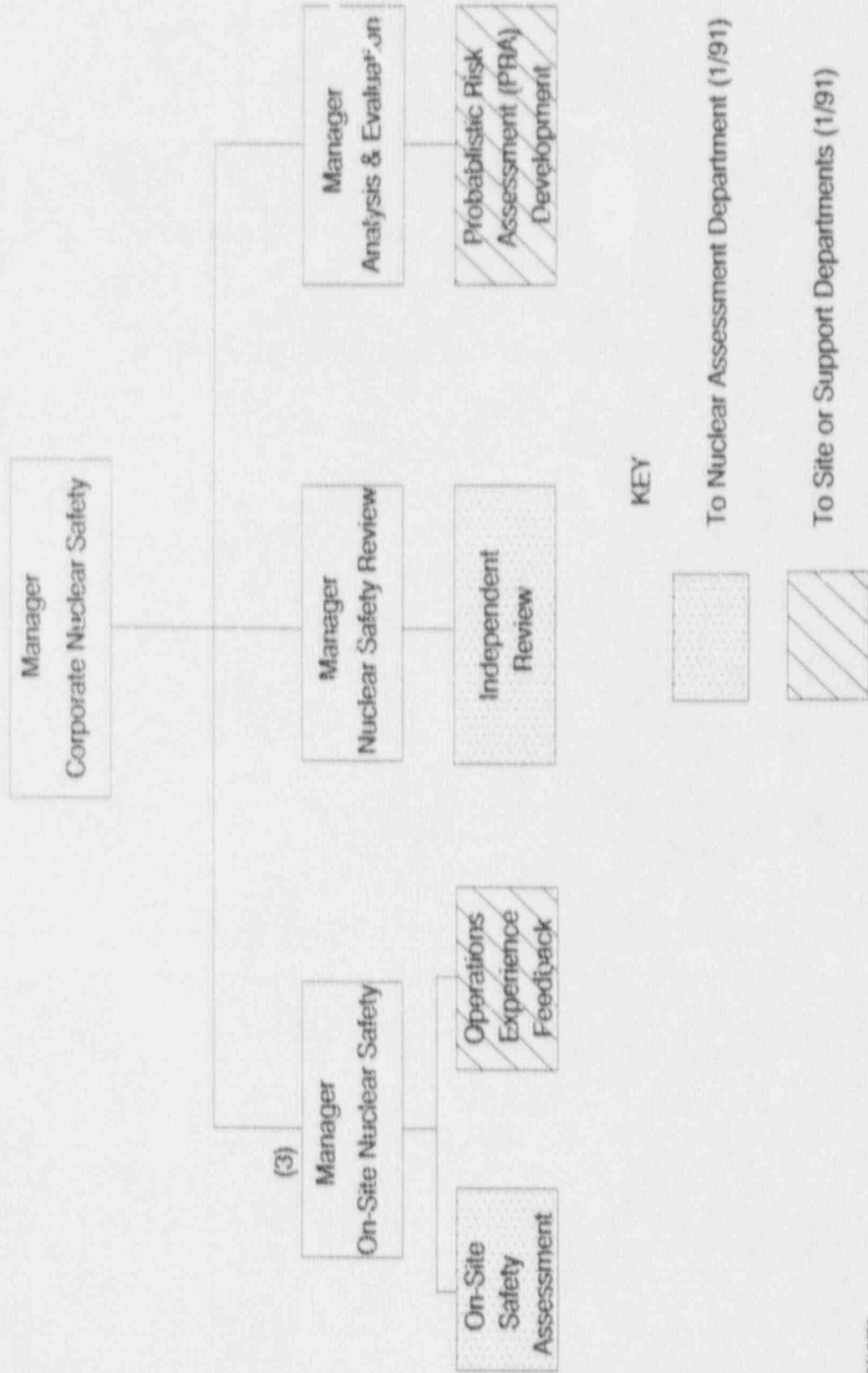


**KEY**

-  New Department (1/91)
-  Affected by Reorganization

# SELF ASSESSMENT PRESENTATION

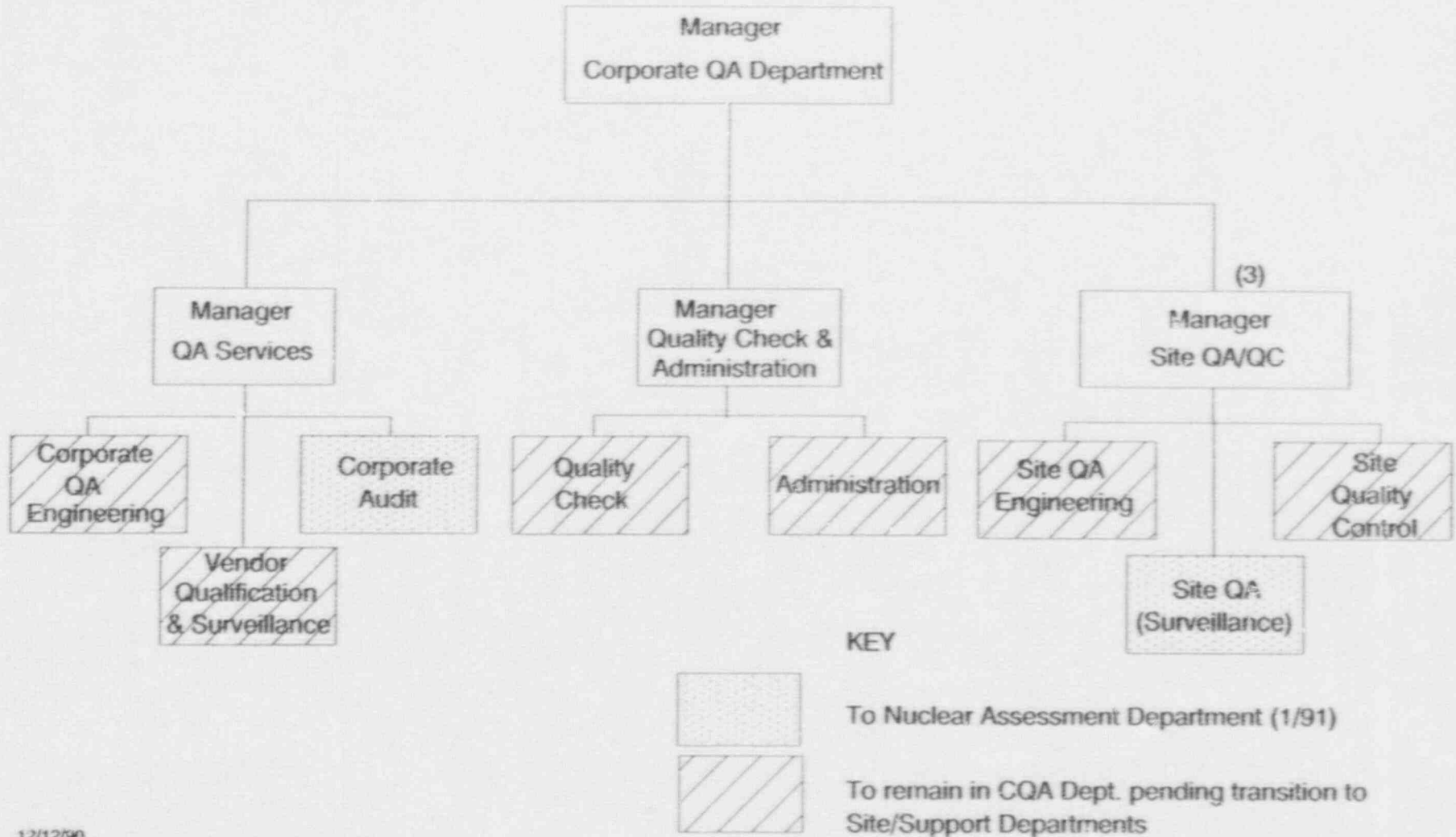
## CORPORATE NUCLEAR SAFETY SECTION FUNCTIONS DISPOSITION





# SELF ASSESSMENT PRESENTATION

## CORPORATE QA DEPARTMENT FUNCTIONS DISPOSITION



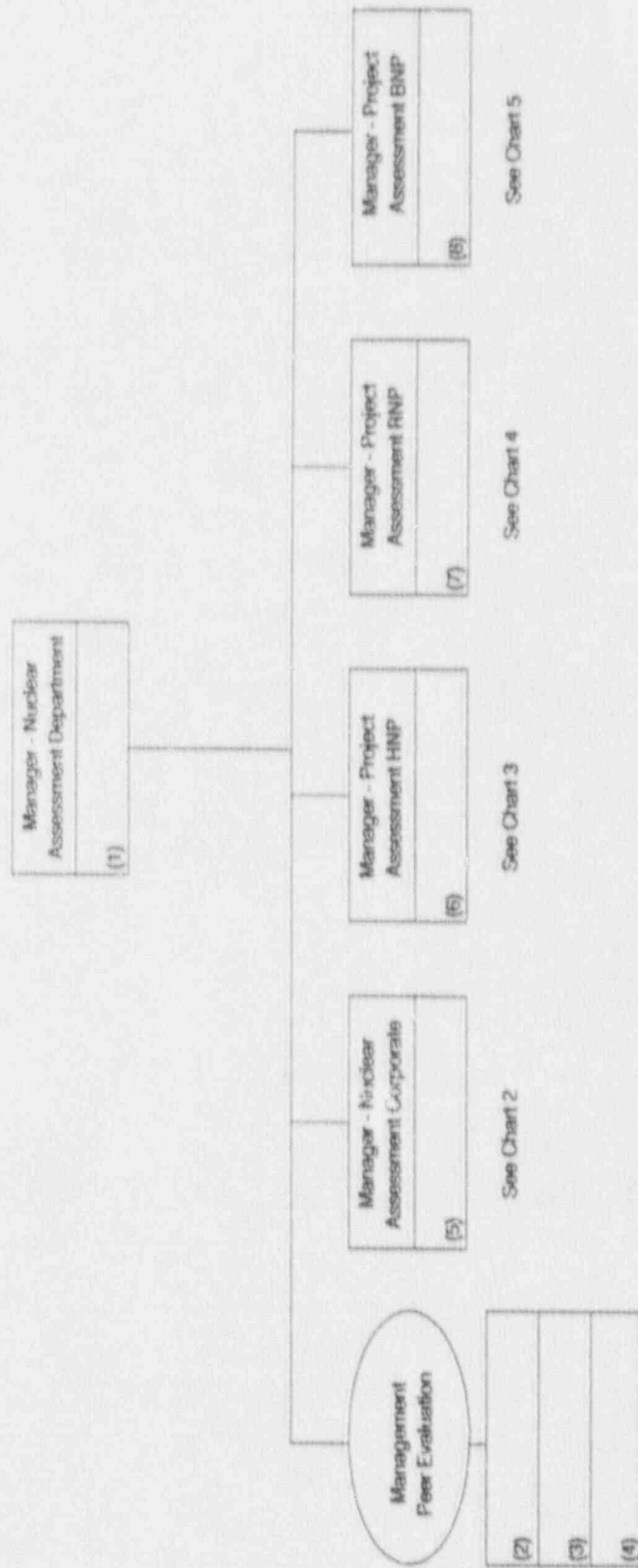
SELF ASSESSMENT PRESENTATION  
NUCLEAR ASSESSMENT DEPARTMENT  
[NAD]

- INITIATED NOVEMBER 1, 1990
- PRIMARY FUNCTIONS:
  - EVALUATE EFFECTIVENESS OF PRODUCTION ORGANIZATION.
  - IDENTIFY BARRIERS.
  - ENSURE CORRECTION OF BARRIERS.
  - INTERACT WITH PRODUCTION ORGANIZATION TO STRENGTHEN THEIR EFFECTIVENESS.
  - ACCOMPLISH TASKS REQUIRED BY CP&L LICENSES WHICH ARE THE RESPONSIBILITY OF THE INDEPENDENT OVERSIGHT ORGANIZATION.
- PRIMARY EXPECTATIONS:
  - FACILITATE SUCCESS OF NUCLEAR GENERATION GROUP
  - RAISE POTENTIAL CRITICAL ISSUES TO SENIOR MANAGEMENT ATTENTION

SELF ASSESSMENT PRESENTATION  
NUCLEAR ASSESSMENT DEPARTMENT

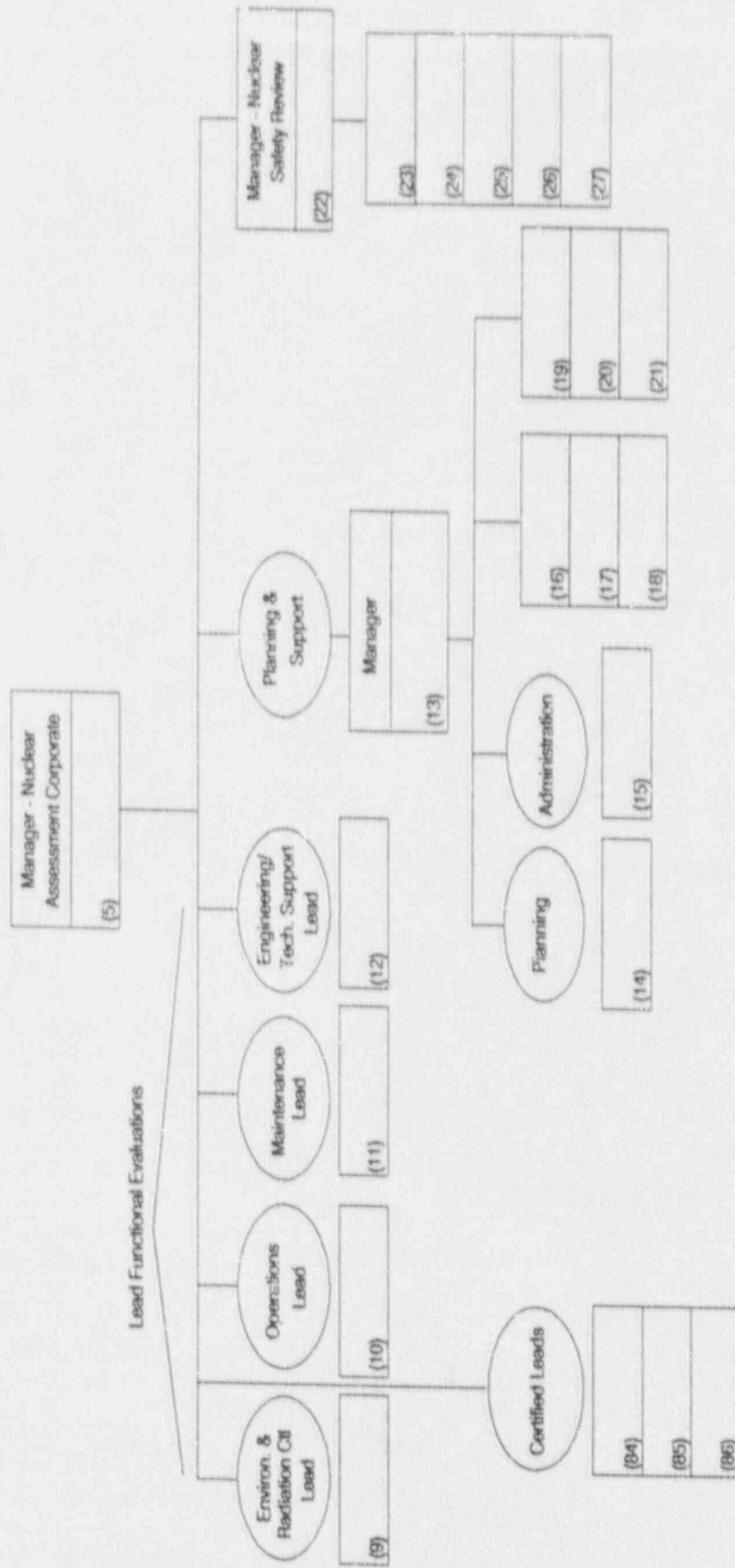
- ORGANIZATION DEVELOPED TO:
  - ACCOMPLISH DEPARTMENT MISSION
  - ASSURE ROTATION OF PERSONNEL
    - STRENGTHEN THE LINE  
AND ASSESSMENT ORGANIZATIONS
  - BE CREDIBLE, PRODUCTIVE AND VALUE ADDED
- 1990 DEVELOPMENT / 1991 ESTABLISHMENT
  - ORGANIZATION IN PLACE
  - INITIAL STAFFING
  - EXISTING REGULATORY WORK BEING MAINTAINED
  - NEW TECHNIQUES BEING APPLIED

# Nuclear Assessment Department



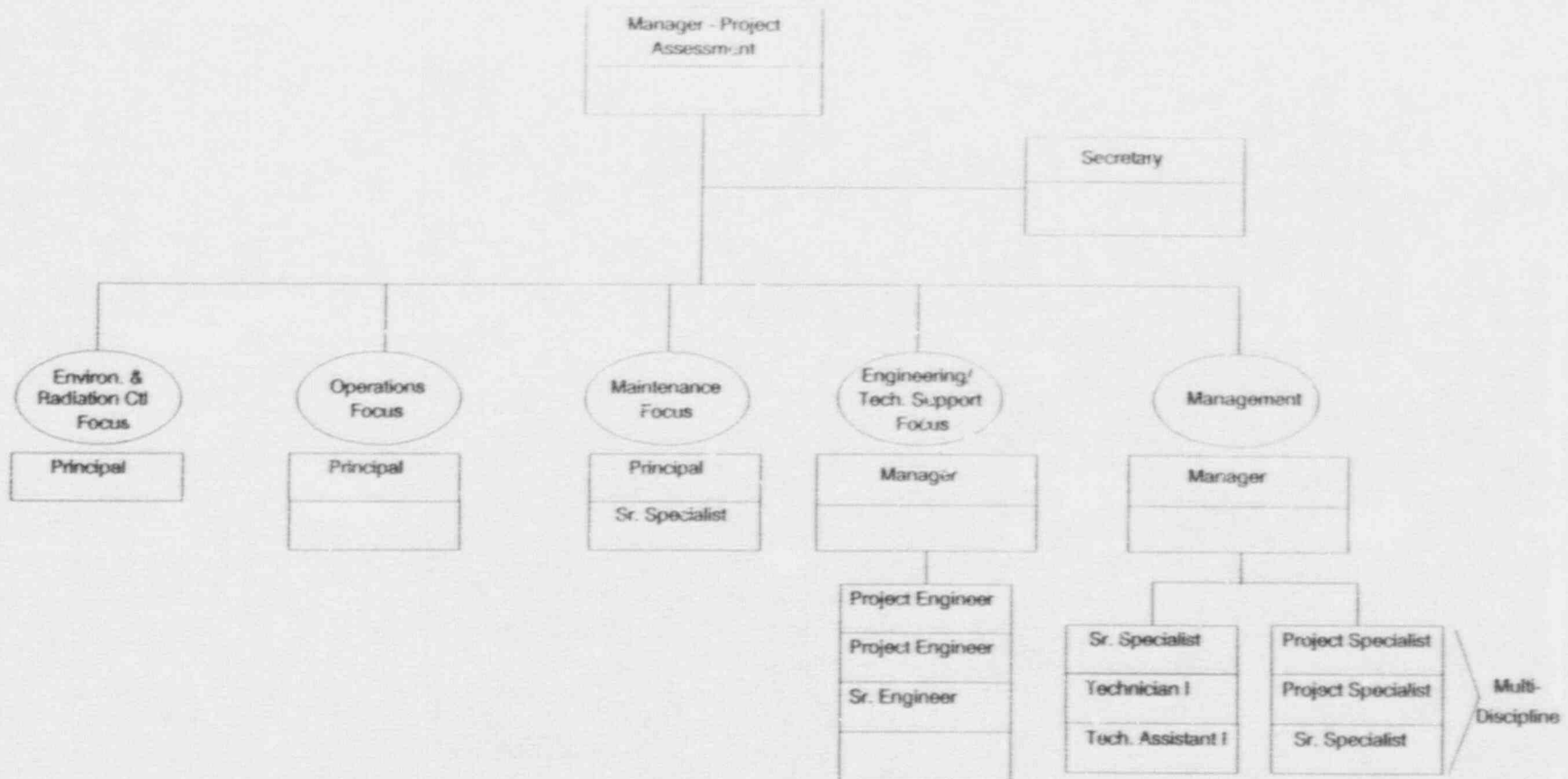
# Nuclear Assessment Department

CHART 2



# Nuclear Assessment Department

[TYPICAL SITE SECTION]





SELF ASSESSMENT PRESENTATION  
PILOT ACTIVITIES

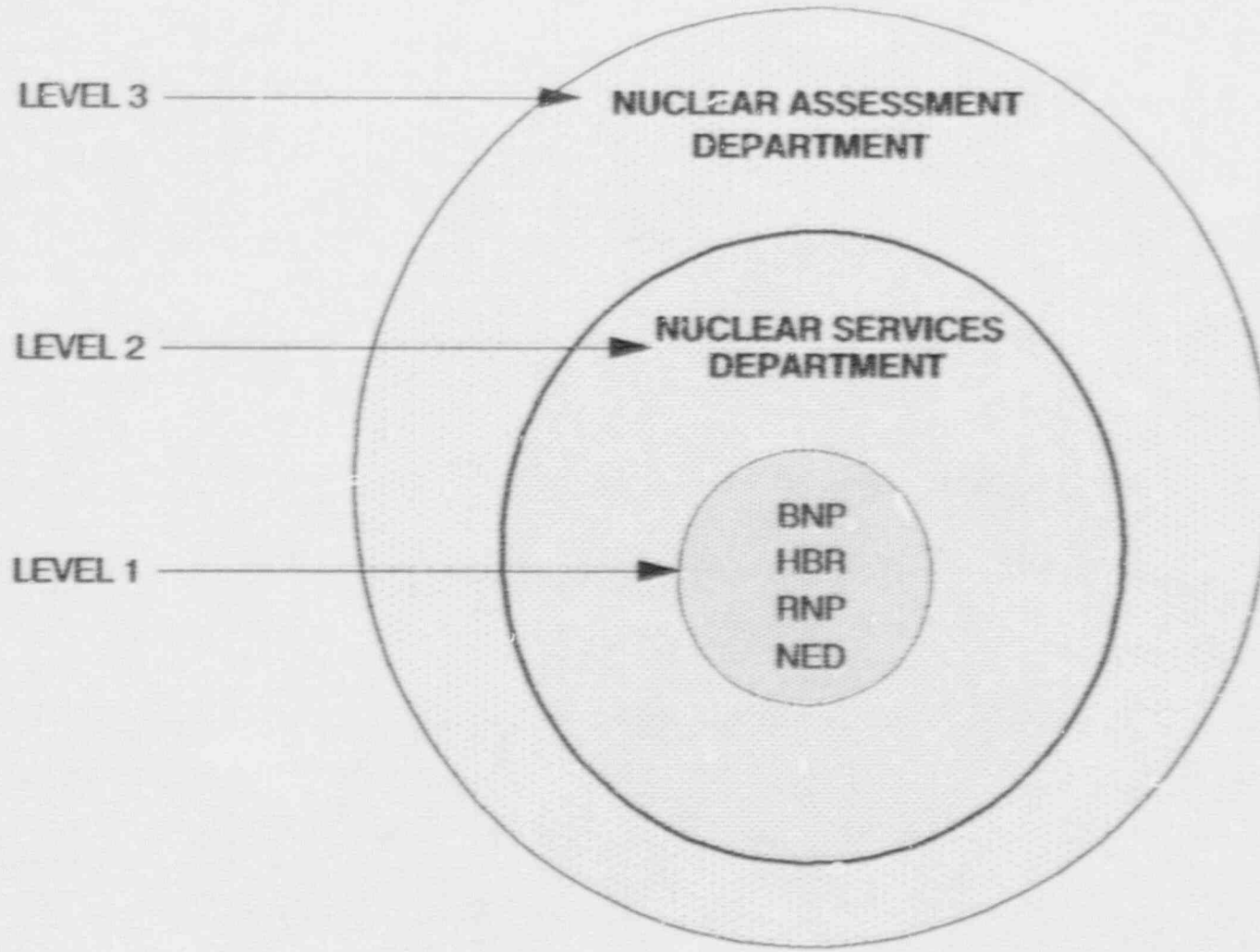
• 1990

- PERFORMANCE BASED AUDITS
  - 16 CONDUCTED IN 1990  
[6 BNP, 5 RNP, 5 HNP]
- TEAM/PEER EVALUATORS
  - USED FOR ALL 16
- SITE LEVEL EVALUATIONS
  - ROBINSON 8/90
  - BRUNSWICK 10/90

• 1991

- EVALUATOR EXPERIENCE LEVEL
  - TRAINING
  - ROTATIONAL ORGANIZATION
  - LOANED FROM AND TO OTHER UTILITIES
- INTEGRATED, COMPREHENSIVE VIEW OF  
NUCLEAR GENERATION GROUP

**SELF ASSESSMENT PRESENTATION  
SUMMARY**



**STRONG SAFETY PERFORMANCE**