Virginia Electric and Power Company ATTN: Mr. J. P. O'Hanlon Senior Vice President - Nuclear Innsbrook Technical Center 5000 Dominion Boulevard Glen Allen, VA 23060

SUBJECT: MEETING SUMMARY - NORTH ANNA PERFORMANCE

NORTH ANNA - DOCKET NOS. 50-338, 50-339

Dear Mr. O'Hanlon:

This refers to the meeting conducted at your request at the NRC Region II Office in Atlanta, Georgia on December 18, 1996. The meeting's purpose was to discuss North Anna performance.

It is our opinion that this meeting was beneficial in that it provided us with a better understanding of North Anna's performance. Specific topics discussed included an introduction, historical regulatory trend, action plan and current performance, and closing remarks.

A list of attendees and a copy of your handout is enclosed.

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 letter, please contact us.

Sincerely,

Original signed by George A. Belisle

George A. Belisle, Chief Reactor Projects Branch 5 Division of Reactor Projects

Docket Nos. 50-338, 50-339 License Nos. NPF-4, NPF-7

Enclosure: 1. List of Attendees

2. North Anna Performance December 18, 1996

cc w/encls: See page 2

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cc w/encls: M. L. Bowling, Manager Nuclear Licensing and Operations Support Virginia Electric & Power Company Innsbrook Technical Center 5000 Dominion Boulevard Glen Allen, VA 23060

W. R. Matthews, Manager North Anna Power Station P. O. Box 402 Mineral, VA 23117

D. A. Christian, Manager Surry Power Station Virginia Electric & Power Company 5570 Hog Island Road Surry, VA 23883

Executive Vice President Old Dominion Electric Cooperative 4201 Dominion Boulevard Glen Allen, VA 23060

Dr. W. T. Lough Virginia Corporation Commission Division of Energy Regulation P. O. Box 1197 Richmond, VA 23209

William C. Porter, Jr. County Administrator Louisa County P. O. Box 160 Louisa, VA 23093

Michael W. Maupin, Esq. Hunton and Williams Riverfront Plaza, East Tower 951 E. Byrd Street Richmond, VA 23219

Attorney General Supreme Court Building 900 East Main Street Richmond, VA 23219

cc w/encls: See page 3

cc w/encls continued:
Robert B. Strobe, M.D., M.P.H.
State Health Commissioner
Office of the Commissioner
Virginia Department of Health
P. O. Box 2448
Richmond, VA 23218

Distribution w/encls:

B. Buckley, NRR R. Gibbs, RII

P. Fillion, RII

D. Jones, RII

W. Stansberry, RII

C. Payne, RII

PUBLIC

NRC Resident Inspector U.S. Nuclear Regulatory Commission 1024 Haley Drive Mineral, VA 23117

NRC Resident Inspector U.S. Nuclear Regulatory Commission Surry Nuclear Power Station 5850 Hog Island Road Surry, VA 23883

OFFICE	RII: DRP IN										
SIGNATURE	nhb.										
NAME	LGarner 11t										
DATE	12/10/96	12 /	/ 96	12 /	/ 96	12 /	/ 96	12 /	/ 96	12 /	/ 96
COPY?	HES NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO

OFFICIAL REGORD COPY DOCUMENT NAME: G:\NAMTG.SUM

LIST OF ATTENDEES

NRC Attendees:

E. W. Merschoff, Director, Division of Reactor Projects (DRP) J. P. Jaudon, Deputy Director, Division of Reactor Safety (DRS) G. A. Belisle, Chief, Reactor Projects Branch 5, DRP R. D. McWhorter, Senior Resident Inspector, North Anna Power Station

C. A. Casto, Chief, Engineering Branch (EB), DRS

C. D. Payne, Licensing Examiner, Operator Licensing and Human Performance Branch, DRS

P. J. Fillion, Reactor Inspector, EB, DRS

Licensee Attendees:

M. R. Kansler, Vice President, Nuclear Operations

W. R. Matthews, Station Manager, North Power Station (NAPS)

D. A. Heacock, Assistant Station Manager, Nuclear Safety and Licensing, NAPS

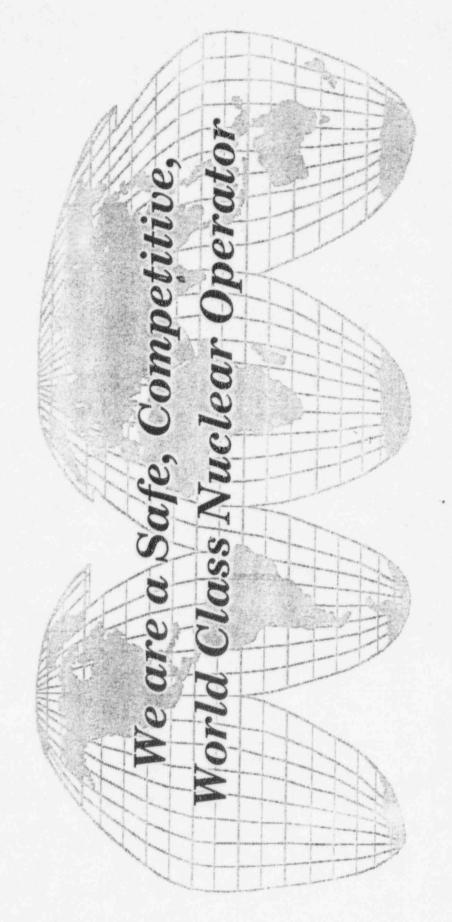
M. S. McCarthy, Director, Nuclear Oversight, NAPS



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North Anna Power Station December 18, 1996





AGENDA

Introduction

M. R. Kansler

 Historical Regulatory Trend D. A. Heacock

• Action Plan and Current Performance

W. R. Matthews

Closing Remarks

M. R. Kansler



INTRODUCTION

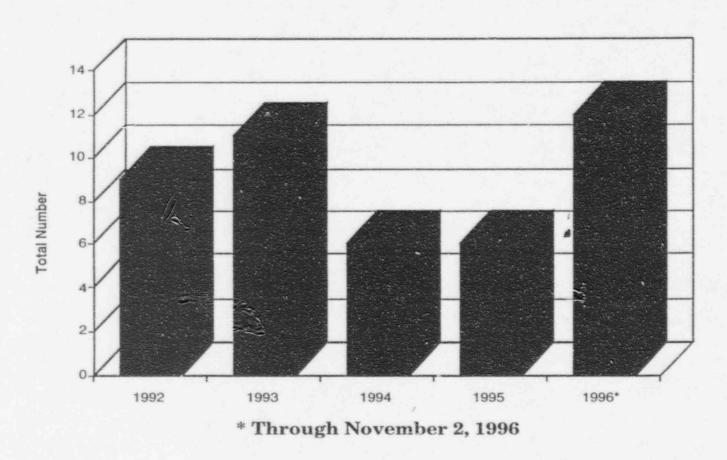
M. R. Kansler Vice President - Nuclear Operations

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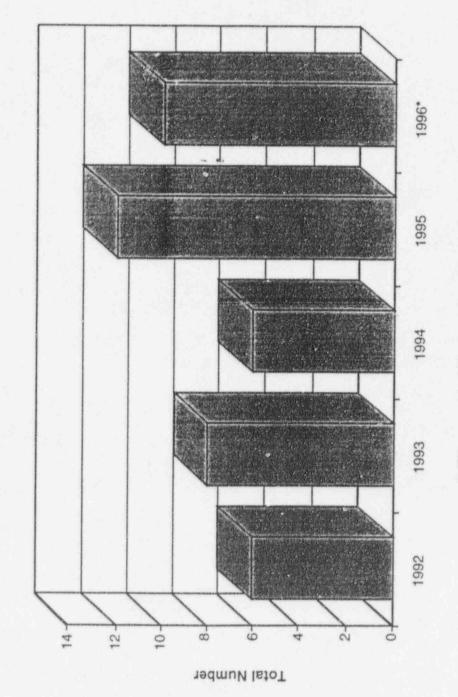
HISTORICAL REGULATORY TREND

D. A. Heacock Assistant Station Manager

Cited Violations

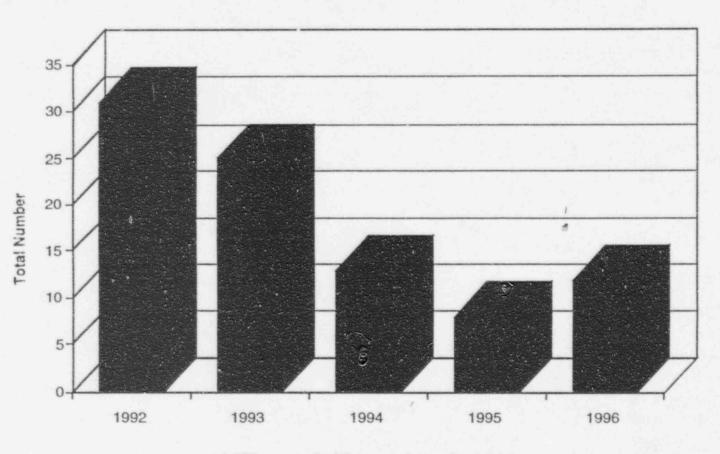


Non - Cited Violations



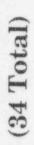
* Through November 2, 1996

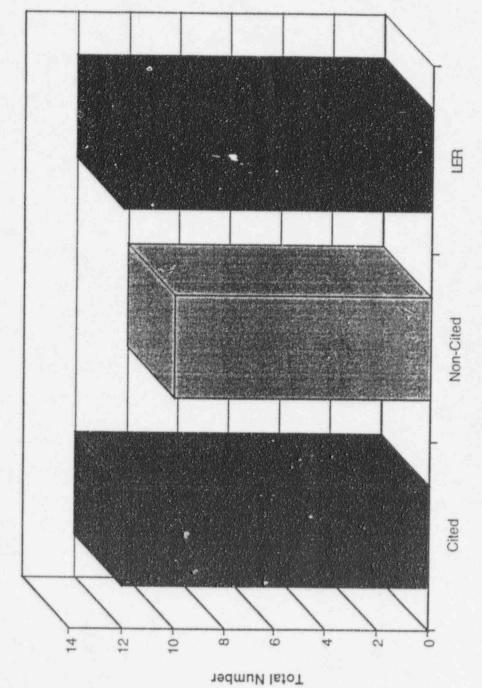
Licensee Event Reports



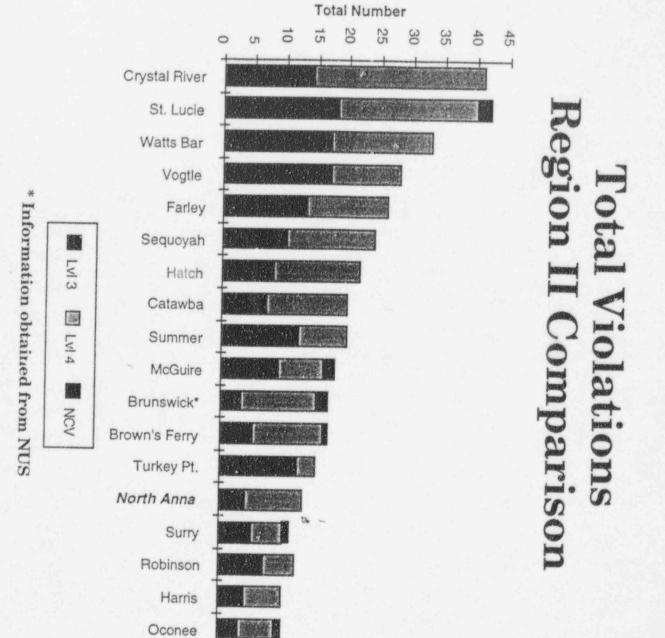
* Through November 2, 1996

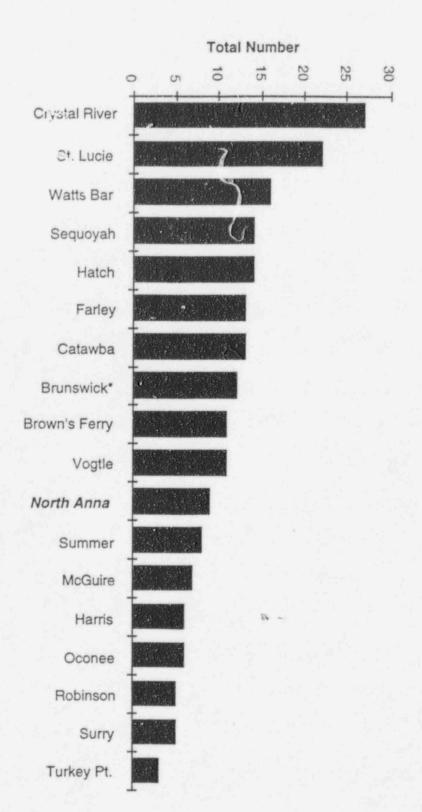
Station Events





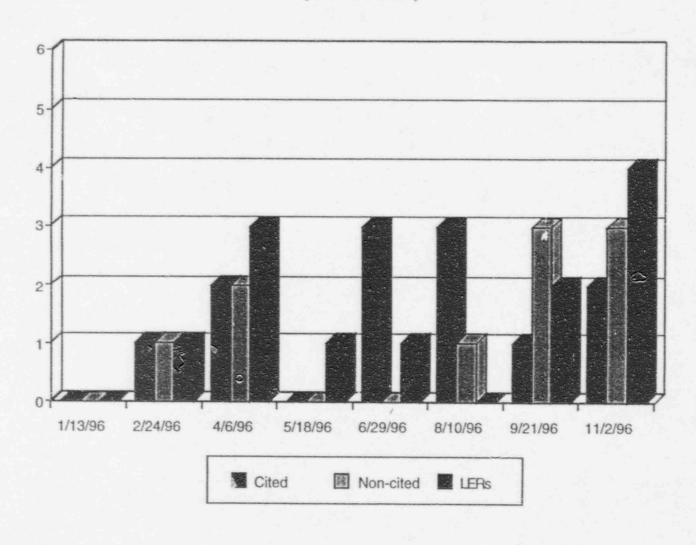
January 1, 1996 through November 2, 1996



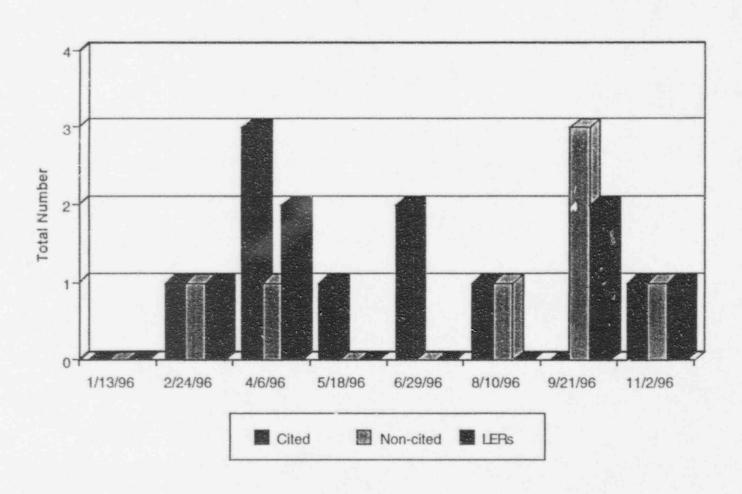


Region II Comparison

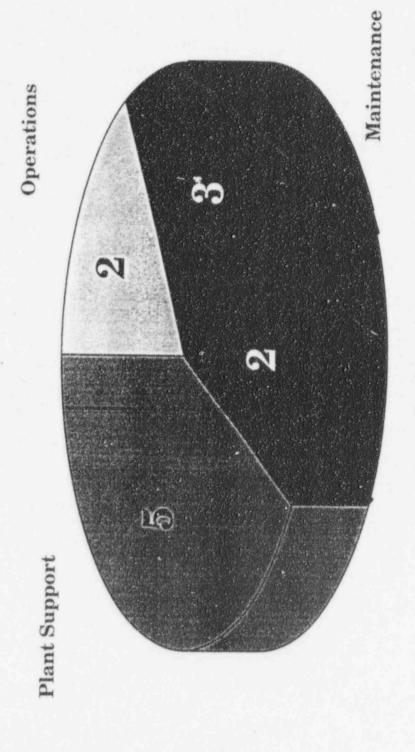
Events by Inspection Period (34 Total)



Events Actually Occurring 1996 (22 Total)



Cited Violations by SALP Category

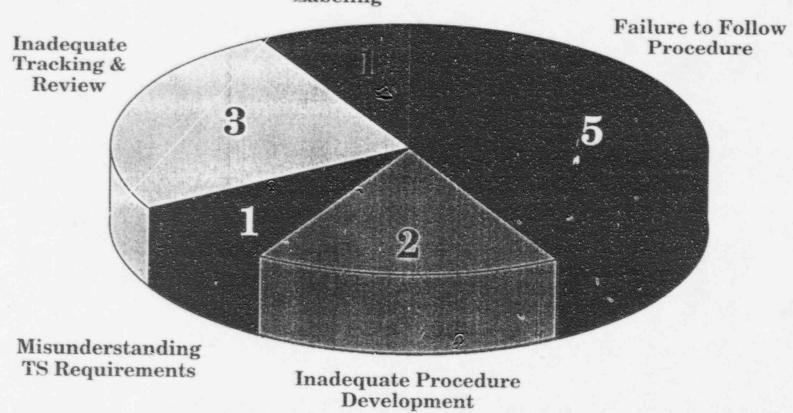


Engineering

Personnel Error Causes

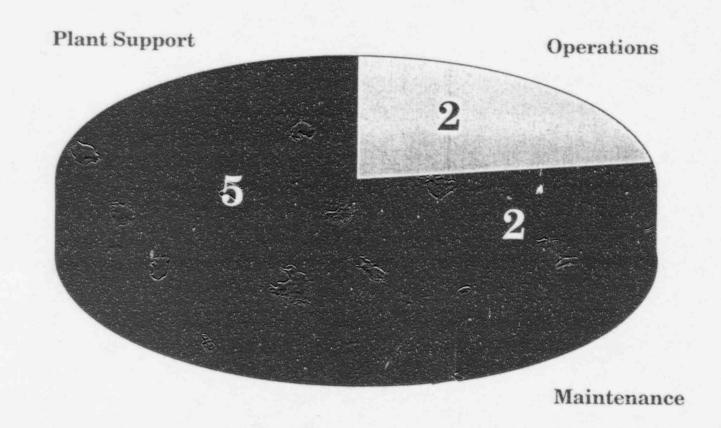
(Cited Violations)

Improper Labeling

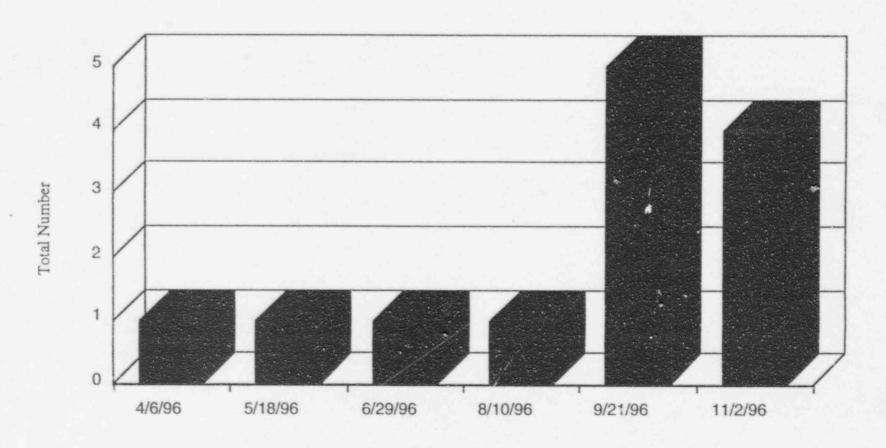


Cited Violations

(Actually Occurring in 1996)

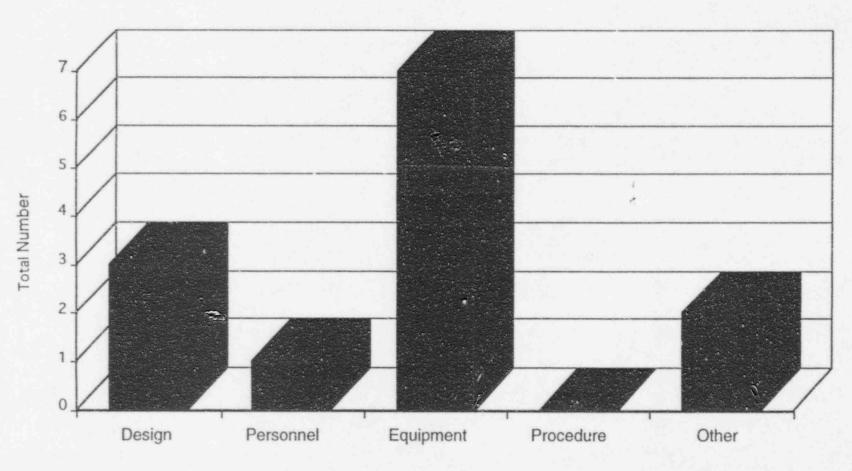


Prompt NRC Reports



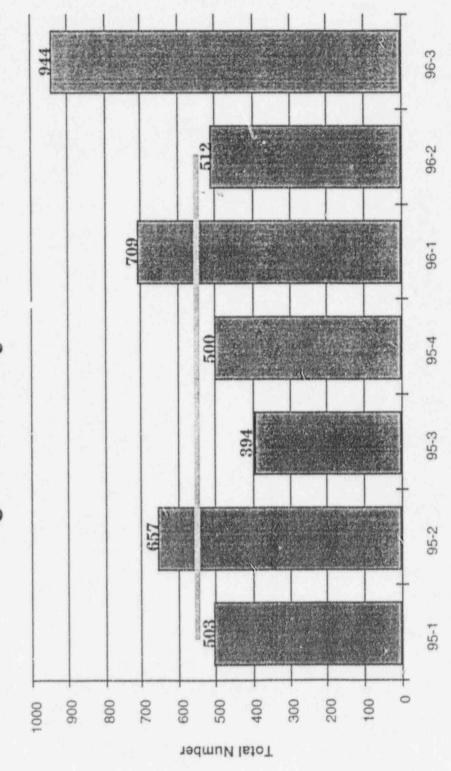
Six Week Interval Ending

NRC Prompt Reports By Cause 4/6/96 Through 11/2/96

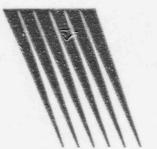


Six Week Interval Ending

Deviation Reports Quarterly Trend

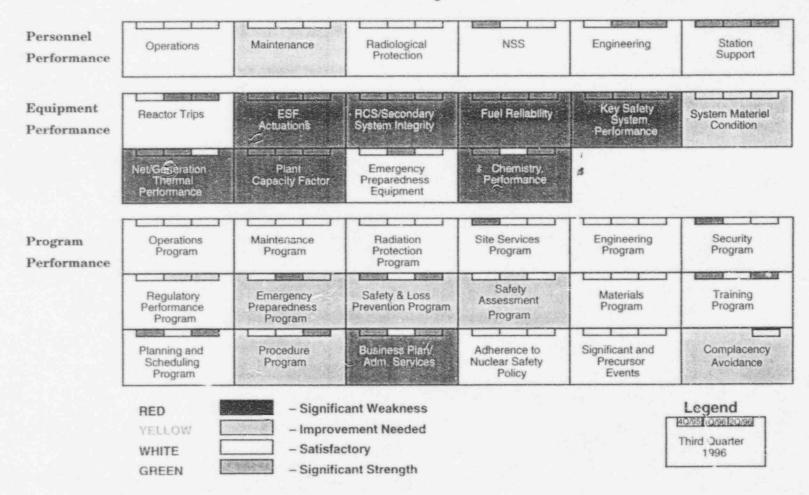


Six Quarter Average = 546 DRs per Qtr

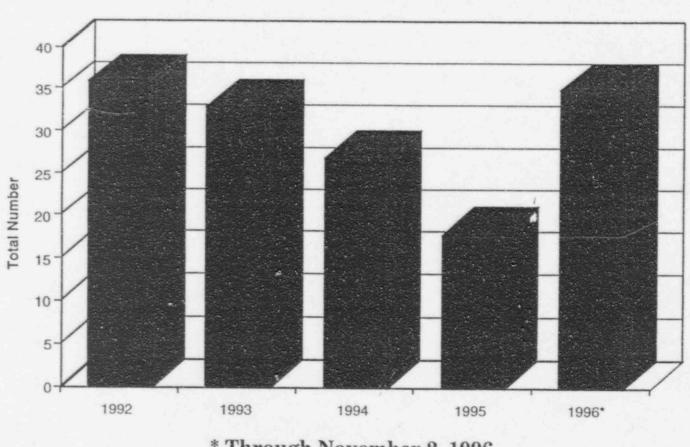


North Anna Performance Annunciator Panel

Third Quarter 1996

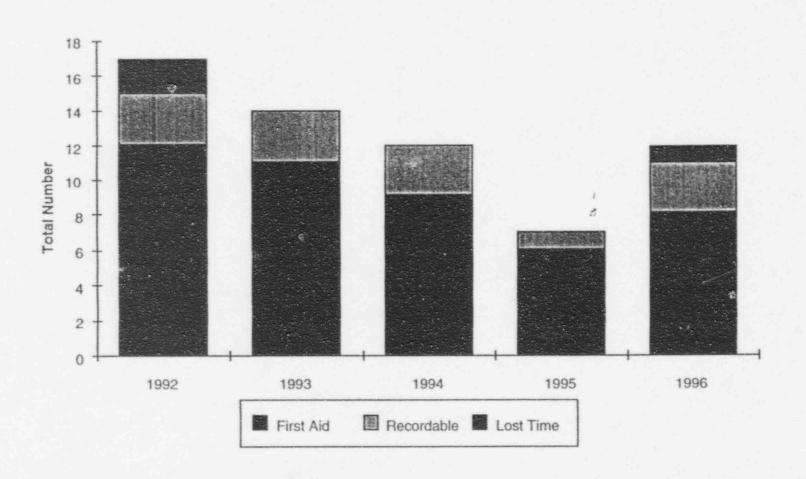


Minor Accidents

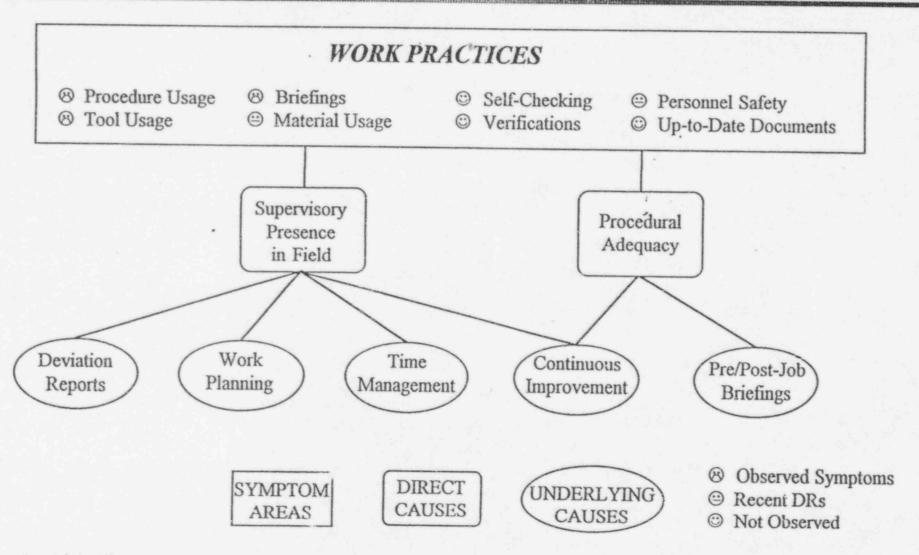


* Through November 2, 1996

Station Safety



WORK PRACTICE CAUSAL ANALYSIS



Conclusions

- Indication of a Performance Decline
 - Procedure Compliance
 - Industrial Safety
 - Work Practice Standards

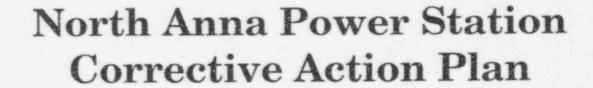
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ACTION PLAN AND CURRENT PERFORMANCE

W. R. Matthews Station Manager

North Anna Power Station Corrective Action Plan

- Stabilize Current Organization
- Enhancement/Evaluate Peer Checks:
 - Maintenance (Existing)
 - Radiological Protection (Evaluate)
 - Engineering (Evaluate)
 - Operations (Existing)
- Re-institute Front Line Leadership Course:
 - Maintenance
 - Operations
 - Radiological Protection
- Mentor Program Department Heads



- Increase Industry Benchmarking At All Levels
- Rewards for Meeting Quarterly Performance Goals:
 - Forced Outage Rate
 - Reactor Trips
 - Safety
 - Dose
 - Quality Performance
- Shift QC Inspectors from NSS to Maintenance
- SPS Commitment on Outage Peers
- First Line Maintenance Supervisor Task Team
- Management Retreat / Team Building

Recent Accomplishments

Unit 2 Refueling Outage

- Lowest Dose 117.394 Man-Rem
- Lowest Outage Cost \$13.82 Million
- 53 Personnel Contamination Events
- No Prompt NRC Reports Due to Outage Activities

<u>Unit 2 Forced Outage Due to High Pressure Turbine</u> Balance Line Leak (10/21/96 - 10/25/96)

- No Regulatory Issues
- Total Duration 96.1 Hours
- Conservative Decision to Shutdown

Recent Accomplishments

Unit 1 Reactor Trip Due to Negative Phase Sequence Relay Actuation (10/24/96 - 10/25/96)

- No Regulatory Issues
- Total Duration 28.7 Hours
- Conservative Decision to Startup Units in Series

<u>Unit 2 Reactor Trip and Forced Outage Due to</u> <u>Generator Failure (11/12/96 - Present)</u>

- No Regulatory Issues
- Conservative Decision to Maintain Unit in Hot Shutdown until Service Water Work was Completed
- Aggressive Approach to Service Water MIC Issue



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CLOSING REMARKS

Vice President - Nuclear Operations M. R. Kansler