

Official

FEB 07 1992

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

Virginia Electric and Power Company
ATTN: Mr. W. L. Stewart
Senior Vice President - Nuclear
5000 Dominion Boulevard
Glen Allen, VA 23060

Gentlemen:

SUBJECT: NORTH ANNA SYSTEMATIC ASSESSMENT OF LICENSEE PERFORMANCE
(NRC INSPECTION REPORT NOS. 50-338/91-25 AND 50-339/91-25)

This refers to the NRC Systematic Assessment of Licensee Performance (SALP) Report for your North Anna facility which was sent to you on January 13, 1992; our meeting on January 27, 1992, at which we discussed this report; and your written comments in a letter dated February 4, 1992.

Thank you for your participation in the SALP meeting on January 27, 1992 and your review of the SALP report. Your response makes it clear that you and your staff intend to continue to strengthen those areas where challenges were identified. Since you had no negative or corrective comments on the report, the Initial SALP Report transmitted to you on January 13, 1992 becomes the Final SALP Report. The enclosures consist of a meeting summary, the SALP presentation slides, and a copy of your written comments.

No reply to this letter is required; however, should you have any questions, I will be pleased to discuss them with you.

Sincerely,

Original signed by

Stewart D. Ebnetter
Regional Administrator

Enclosures:

1. Meeting Summary
2. SALP Presentation Slides
3. Licensee SALP Response
dated February 4, 1992

cc w/encl:
E. W. Harrell
Vice President - Nuclear Services
Virginia Electric & Power Company
5000 Dominion Boulevard
Glen Allen, VA 23060

cc w/encls cont'd: See page 2

9202260150 920207
PDR ADDOCK 05000338
G PDR

111
IE 40

FEB 07 1992

cc w/encls cont'd:

J. P. O'Hanlon
Vice President - Nuclear Operations
Virginia Electric & Power Company
5000 Dominion Boulevard
Glen Allen, VA 23060

M. L. Bowling, Jr., Manager
Nuclear Licensing
Virginia Electric & Power Company
5000 Dominion Boulevard
Glen Allen, VA 23060

G. E. Kane, Station Manager
North Anna Power Station
P. O. Box 402
Mineral, VA 23117

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

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
P. O. Box 1535
Richmond, VA 23212

Patrick A. O'Hare
Office of the Attorney General
Supreme Court Building
101 North 8th Street
Richmond, VA 23219

C. M. G. Buttery, M.D., M.P.H.
Department of Health
109 Governor Street
Richmond, VA 23219

Commonwealth of Virginia

bcc w/encls: See page 3

bcc w/encls:

The Chairman

K. C. Rogers, Commissioner

J. R. Curtiss, Commissioner

F. J. Remick, Commissioner

E. G. de Planque, Commissioner

J. M. Taylor, EDO

H. L. Thompson, Jr., EDO

J. F. Wechselberger, Regional
Coordinator, EDO

T. E. Murley, NRR

S. Varga, NRR

L. Engle, NRR

H. Berkow, NRR

F. Allenspach, SALP Coordinator, NRR
Regional Administrators, RI, RIII
RIV, and RV

K. Clark, RII, PAO

M. Sinkule, DRP, RII

K. P. Fredrickson DRP, RII

J. Johnson, DRP, RII

INPO

L. Watson, Chief, TSS

NRC Resident Inspector

DRS and DRSS Branch Chiefs,
and Section Chiefs

Document Control Desk

NRC Resident Inspector

U.S. Nuclear Regulatory Commission

Route 2, Box 78-A

Mineral, VA 23117

NRC Resident Inspector

U.S. Nuclear Regulatory Commission

Routes 1, Box 166

Surry, VA 23883

*SEE PREVIOUS CONCURRENCE PAGE

RII:DRP RII:DRP RII:DRP RII:DRP HQ:NRR

ARuff PFredrickson MSinkule JJohnson HBerkow
02/ /92 02/ /92 02/ /92 02/ /92 02/ /92

FEB 07 1992

bcc w/encls:

- The Chairman
- K. C. Rogers, Commissioner
- J. R. Curtis, Commissioner
- F. J. Remick, Commissioner
- E. G. de Planque, Commissioner
- J. M. Taylor, EDO
- H. L. Thompson, Jr., EDO
- J. F. Wechselberger, Regional
Coordinator, EDO
- T. E. Murley, NRR
- S. Varga, NRR
- L. Engle, NRR

~~bcc w/encls cont'd.~~

- H. Berkow, NRR
- F. Allenspach, SALP Coordinator, NRR
- Regional Administrators, RI, RIII
RIV, and RV
- K. Clark, RII, PAO
- M. Sinkule, DRP, RII
- K. P. Fredrickson DRP, RII
- J. Johnson, DRP, RII
- INPO
- L. Watson, Chief, TSS
- NRC Resident Inspector
- DRS and DRSS Branch Chiefs,
and Section Chiefs
- Document Control Desk

NRC Resident Inspector
 U.S. Nuclear Regulatory Commission
 Route 2, Box 78-A
 Mineral, VA 23117

NRC Resident Inspector
 U.S. Nuclear Regulatory Commission
 Routes 1, Box 166
 Surry, VA 23883

*	RII:DRP	RII:DRP	RII:DRP	RII:DRP	HQ:NRR
	ARWTF	PFredrickson	MSinkule	JJohnson	HBerkow
	02/06/92	02/6/92	02/6/92	02/7/92	02//92

ENCLOSURE 1

MEETING SUMMARY

A. A meeting was held at 1:00 p.m. on January 27, 1992, at the Virginia Electric and Power Company's (Virginia Power) North Anna Nuclear Information Center near Mineral, Virginia to discuss the SALP Report for the North Anna facility.

B. Licensee Attendees

W. W. Berry, Chairman of the Board, Dominion Resources
T. E. Capps, Vice Chairman, Dominion Resources
J. T. Rhoads, President and CEO, Virginia Power
W. L. Stewart, Senior Vice President - Nuclear
E. W. Harrell, Vice President - Nuclear Services
J. P. O'Hanlon, Vice President - Nuclear Operations
F. K. Moore, Vice President - Nuclear Engineering Services
R. F. Saunders, Assistant Vice President - Nuclear Operations
M. L. Bowling, Manager, Nuclear Licensing and Programs
G. E. Kane, Station Manager
J. A. Stall, Assistant Station Manager - Nuclear Safety & Licensing
R. O. Enfinger, Assistant Station Manager - Operations & Maintenance
L. Hartz, Manager - Quality Assurance
J. Adams, Member, Board of Directors, Dominion Resources
W. Roos, Member, Board of Directors, Dominion Resources

The list of licensee attendees above does not include all the Virginia Power Company employees that were present at the SALP presentation. The attendees also included superintendents, supervisors and other Virginia Power employees. This large turnout was beneficial to the SALP process and is highly recommended for future presentations.

C. NRC Attendees

S. Ebnetter, Regional Administrator, Region II (RII)
J. Johnson, Deputy Director, Division of Reactor Projects (DRP), RII
(Chairperson)
M. Sinkule, Chief, DRP Branch 2, RII
M. Lesser, Senior Resident Inspector, North Anna, DRP, RII
H. Berkow, Director, Project Directorate II-2, Office of Nuclear Reactor Regulation (NRR)
L. Engle, Senior Project Manager, Project Directorate II-2, NRR
K. Clark, Public Affairs Officer, RII

UNITED STATES
NUCLEAR REGULATORY
COMMISSION



SYSTEMATIC ASSESSMENT
OF
LICENSEE PERFORMANCE
(SALP)

LICENSEE PRESENTATION

VIRGINIA ELECTRIC
AND POWER COMPANY
SALP CYCLE 10

SEPTEMBER 1, 1990
THROUGH
NOVEMBER 2, 1991

NORTH ANNA UNITS 1 & 2

JANUARY 27, 1992

SALP PROGRAM OBJECTIVES

1. IDENTIFY TRENDS IN LICENSEE PERFORMANCE
2. PROVIDE A BASIS FOR ALLOCATION OF NRC RESOURCES
3. IMPROVE NRC REGULATORY PROGRAM

PERFORMANCE ANALYSIS AREAS

- A. PLANT OPERATIONS
- B. RADIOLOGICAL CONTROLS
- C. MAINTENANCE/SURVEILLANCE
- D. EMERGENCY PREPAREDNESS
- E. SECURITY
- F. ENGINEERING/TECHNICAL SUPPORT
- H. SAFETY ASSESSMENT/
QUALITY VERIFICATION

AREA PERFORMANCE CATEGORY 1

LICENSEE MANAGEMENT ATTENTION TO AND INVOLVEMENT IN NUCLEAR SAFETY OR SAFEGUARDS ACTIVITIES RESULTED IN A SUPERIOR LEVEL OF PERFORMANCE. NRC WILL CONSIDER REDUCED LEVELS OF INSPECTION EFFORT.

AREA PERFORMANCE

CATEGORY 2

LICENSEE MANAGEMENT ATTENTION TO AND INVOLVEMENT IN NUCLEAR SAFETY OR SAFEGUARDS ACTIVITIES RESULTED IN A GOOD LEVEL OF PERFORMANCE. NRC WILL CONSIDER MAINTAINING NORMAL LEVELS OF INSPECTION EFFORT.

AREA PERFORMANCE CATEGORY 3

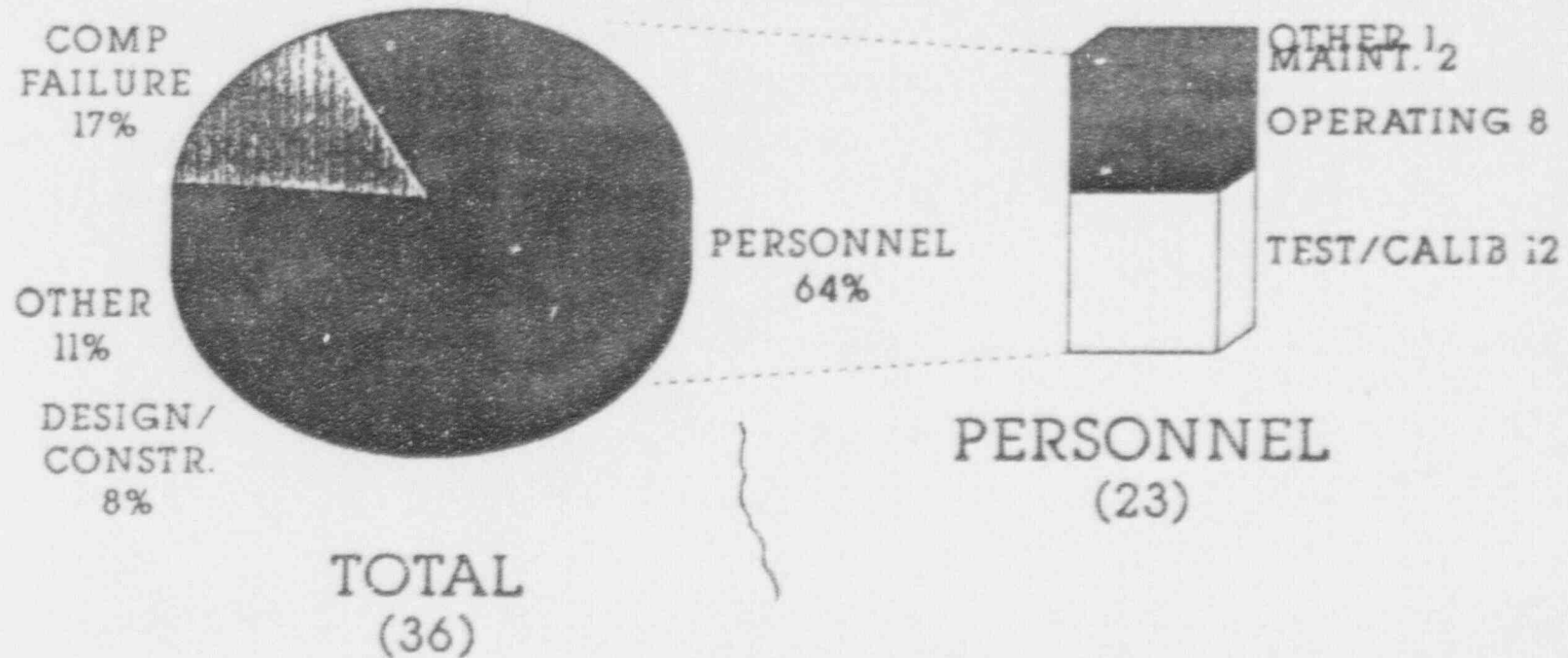
LICENSEE MANAGEMENT ATTENTION TO AND INVOLVEMENT IN NUCLEAR SAFETY OR SAFEGUARDS ACTIVITIES RESULTED IN AN ACCEPTABLE LEVEL OF PERFORMANCE; HOWEVER, BECAUSE OF THE NRC'S CONCERN THAT A DECREASE IN PERFORMANCE MAY APPROACH OR REACH AN UNACCEPTABLE LEVEL, NRC WILL CONSIDER INCREASED LEVELS OF INSPECTION EFFORT.

EVALUATION CRITERIA

1. MANAGEMENT INVOLVEMENT AND CONTROL
IN ASSURING QUALITY
2. APPROACH TO IDENTIFICATION AND
RESOLUTION OF TECHNICAL ISSUES
FROM A SAFETY STANDPOINT
3. ENFORCEMENT HISTORY
4. REPORTING, ANALYSIS AND CORRECTIVE
ACTION OF REPORTABLE EVENTS
5. STAFFING (INCLUDING MANAGEMENT)
6. TRAINING EFFECTIVENESS AND
QUALIFICATION

NORTH ANNA

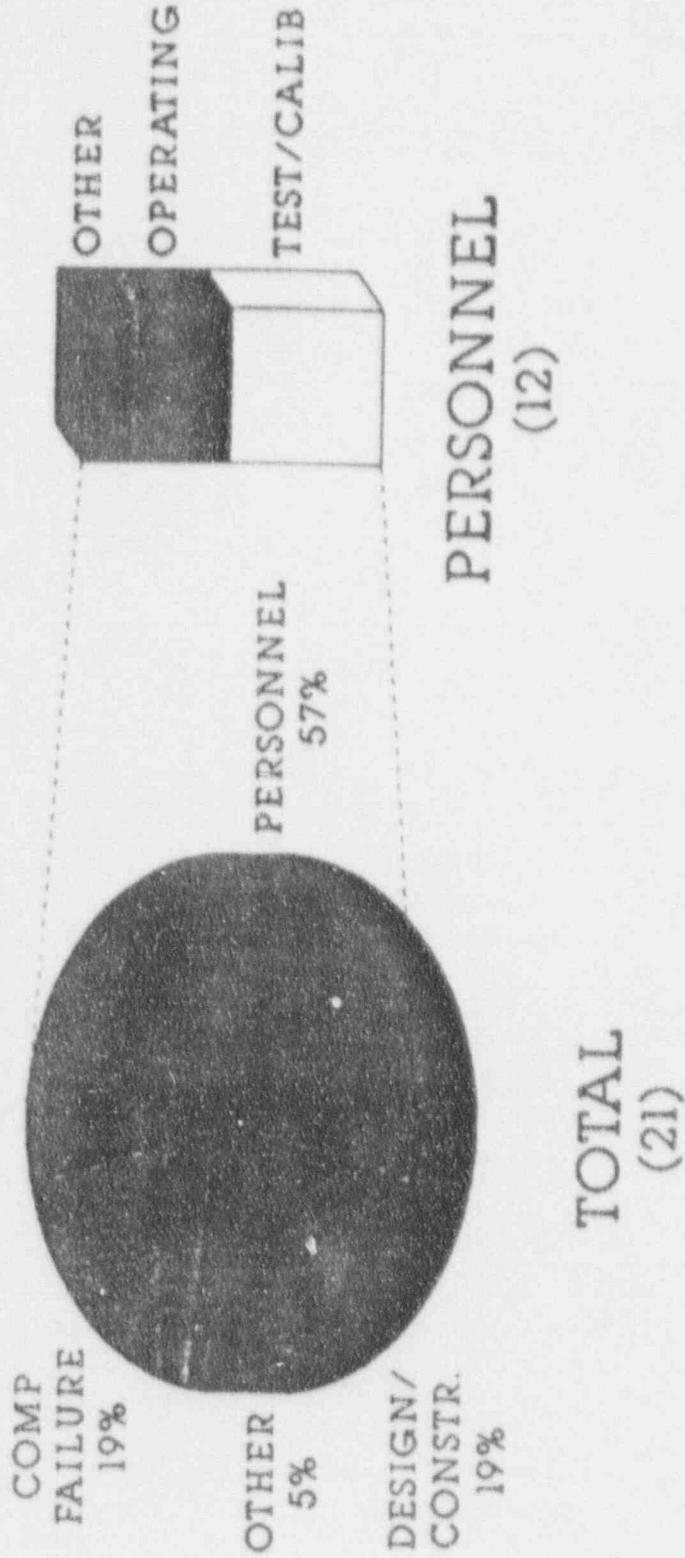
SEPTEMBER 1, 1990 - NOVEMBER 2, 1991
(CYCLE 10 - 14 MOS.)



LERs

NORTH ANNA

JUNE 1, 1989 - AUGUST 31, 1990
(CYCLE 9)



PERSONNEL

FACILITY PERFORMANCE
SUMMARY

NORTH ANNA - CYCLE 10

<u>FUNCTIONAL AREA</u>	<u>RATING LAST PERIOD</u>	<u>RATING THIS PERIOD</u>
PLANT OPERATIONS	1	1 (D)
RADIOLOGICAL CONTROLS	2 (I)	1
MAINTENANCE / SURVEILLANCE	2	2
EMERGENCY PREPARDNESS	1	1
SECURITY	2	1
ENGINEERING / TECHNICAL SUPPORT	1	2
SAFETY ASSESSMENT / QUALITY VERIFICATION	1	1

PLANT OPERATIONS (CATEGORY 1)

PLANT OPERATIONS REMAINED
EXCELLENT BUT DECLINED
DURING ASSESSMENT PERIOD

STRENGTHS

- MANAGEMENT'S COMMITMENT TO SAFETY
- PROFESSIONAL ATTITUDE
- TRAINING
- USE OF COMPUTERS
- COMMUNICATIONS

PLANT OPERATIONS (CATEGORY 1)

STRENGTHS (CONTINUED)

- HOUSEKEEPING
- STAFFING

CHALLENGES

- REDUCE ADVERSE TRENDS IN OPERATOR ERRORS
- MISPOSITIONED COMPONENTS
- IMPROVE PROCEDURES

RADIOLOGICAL CONTROLS

(CATEGORY 1)

OVERALL QUALITY OF RADIOLOGICAL
CONTROLS IMPROVED TO EXCELLENT

STRENGTHS

- MANAGEMENT SUPPORT
- STAFFING; POSITIVE ATTITUDES
- PERSONNEL AND AREA
CONTAMINATION CONTROL
- EFFLUENTS CONTROLLED
- PRIMARY AND SECONDARY
CHEMISTRY PROGRAMS

RADIOLOGICAL CONTROLS

(CATEGORY 1)

STRENGTHS (CONTINUED)

- SELF-ASSESSMENT AND QA INVOLVEMENT

CHALLENGE

- MAINTAIN LEVEL OF PERFORMANCE

MAINTENANCE/ SURVEILLANCE

(CATEGORY 2)

OVERALL QUALITY OF MAINTENANCE
AND SURVEILLANCE REMAINED GOOD

STRENGTHS

- VALVE MAINTENANCE PROGRAM
- PREVENTIVE MAINTENANCE
- MANAGEMENT INVOLVEMENT
- OUTAGE PLANNING
- STAFFING - PLANNERS, CRAFT
- MATERIAL CONDITION
- LOW MAINTENANCE BACKLOG

MAINTENANCE/ SURVEILLANCE

(CATEGORY 2)

STRENGTHS (CONTINUED)

- SELF ASSESSMENT

CHALLENGES

- RTD BYPASS MANIFOLD
- BACKLOG OF PROCEDURE ACTION REQUESTS
- IST PROGRAM WEAKNESSES
- MISSED OR INADEQUATE SURVEILLANCES
- REVIEW OF TEST RESULTS

SECURITY / SAFEGUARDS

(CATEGORY 1)

OVERALL QUALITY OF
SECURITY / SAFEGUARDS
IMPROVED TO EXCELLENT

STRENGTHS

- PROFESSIONAL STAFF
- COMMUNICATIONS
- UPGRADED EQUIPMENT
- INITIATIVES
- FITNESS FOR DUTY PROGRAM

CHALLENGE

- MAINTAIN LEVEL OF PERFORMANCE

EMERGENCY PREPAREDNESS

(CATEGORY 1)

OVERALL QUALITY OF
EMERGENCY PREPAREDNESS
REMAINED EXCELLENT

STRENGTHS

- TRAINING
- STAFFING
- PERFORMANCE IN EXERCISE
- CORRECTIVE ACTIONS TRACKING
- FACILITIES - ERDS

EMERGENCY PREPAREDNESS (CATEGORY 1)

STRENGTHS (CONTINUED)

- UPGRADE OF EP NOTIFICATION SYSTEM

CHALLENGE

- MAINTAIN LEVEL OF PERFORMANCE

ENGINEERING/ TECHNICAL SUPPORT (CATEGORY 2)

OVERALL QUALITY OF ENGINEERING/
TECHNICAL SUPPORT DECREASED TO
GOOD

STRENGTHS

- SAFETY SYSTEM PRIORITY
- COMMUNICATIONS; QUARTERLY REPORT
- SYSTEM ENGINEERS
- HIGH RELIABILITY OF EDGs
- OUTAGE MANAGEMENT SUPPORT
- LICENSED OPERATOR TRAINING

ENGINEERING/ TECHNICAL SUPPORT (CATEGORY 2)

CHALLENGES

- IMPACT OF DESIGN CHANGES ON PROCEDURES
- TECHNICAL SUPPORT FOR PROCEDURES
- ELECTRICAL DISTRIBUTION DESIGN CALCULATIONS
- ASSURING ENGINEERING INVOLVEMENT IN PROBLEM AREAS

SAFETY ASSESSMENT/ QUALITY VERIFICATION (CATEGORY 1)

OVERALL PERFORMANCE IN THIS
AREA REMAINED EXCELLENT

STRENGTHS

- MANAGEMENT COMMITMENT
- OVERSIGHT OF SAFETY
- TECHNICAL SPECIFICATIONS
IMPROVEMENT
- SELF ASSESSMENT
- QA PROGRAM
- COMMUNICATIONS

SAFETY ASSESSMENT/ QUALITY VERIFICATION (CATEGORY 1)

STRENGTHS (CONTINUED)

- MEASURES TO IMPROVE SAFETY DURING PLANT SHUTDOWNS

CHALLENGE

- MAINTAIN LEVEL OF PERFORMANCE

ENCLOSURE 3

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

February 4, 1992

U.S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D.C. 20555

Serial No. 92-052
NL&P/JYR: R5
Docket No. 50-338
50-339
License No. NPF-4
NPF-7

Gentlemen:

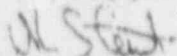
VIRGINIA ELECTRIC AND POWER COMPANY
NORTH ANNA POWER STATION UNITS 1 AND 2
RESPONSE TO INSPECTION REPORT 50-338&339/91-25
SYSTEMATIC ASSESSMENT OF LICENSEE PERFORMANCE

Virginia Electric and Power Company has reviewed the initial report, dated January 13, 1992, on the Systematic Assessment of Licensee Performance (SALP) for the period of September 1, 1990 through November 2, 1991 for North Anna Power Station and has no specific comments. As we have noted in the past, we consider the SALP process to be a very useful and important tool for both the NRC and Virginia Electric and Power Company in assessing and improving performance and safety at our nuclear stations.

The recognition of the strengths noted in the report was appreciated, and we are committed to building upon those strengths. Also, we will make every effort to strengthen our performance in those areas where challenges were identified. In the area of Plant Operations, efforts are underway to increase operator awareness, assess and improve work practices, improve procedure quality and provide additional training to improve human performance. In the area of Engineering/Technical Support, Engineering management will continue to focus on proper implementation of design modifications. Procedures affected by modifications will be upgraded in a timely manner. In the area of Maintenance/Surveillance, we are pleased with the many improvements that were noted in the SALP report. The station surveillance program implementation will receive additional review and management attention in areas where improvement can be realized. It is our intention to provide periodic status to you regarding our progress in these areas.

Should you have any questions or require additional information, please contact us.

Very truly yours,



W. L. Stewart
Senior Vice President - Nuclear

cc: U.S. Nuclear Regulatory Commission
Region II
101 Marietta Street, N.W.
Suite 2900
Atlanta, Georgia 30323

Mr. M. S. Lesser
NRC Senior Resident Inspector
North Anna Power Station