



UNITED STATES  
NUCLEAR REGULATORY COMMISSION

REGION IV

611 RYAN PLAZA DRIVE, SUITE 400  
ARLINGTON, TEXAS 76011-8064

MAY 17 1993

7/11/93  
RA RJA  
Fals

Docket: 50-285  
License: DPR-40

Omaha Public Power District  
ATTN: T. L. Patterson, Division Manager  
Nuclear Operations  
444 South 16th Street Mall  
Mail Stop 8E/EP 4  
Omaha, Nebraska 68102-2247

SUBJECT: FINAL SYSTEMATIC ASSESSMENT OF LICENSEE PERFORMANCE (SALP)  
REPORT 50-285/93-99

This forwards the final SALP report for the Fort Calhoun Station (FCS) for the period of August 1, 1991, through January 30, 1993. The final SALP report includes:

1. The cover letter for the initial SALP report (no revisions to the initial report were made).
2. A summary and list of attendees at our April 30, 1993, meeting at the FCS in Fort Calhoun, Nebraska.
3. Your May 7, 1993, response to the initial SALP report.

I consider the actions discussed in the April 30, 1993, SALP management meeting and in your May 7, 1993, response to the initial SALP report to be responsive to NRC concerns and recommendations.

The next SALP period for the FCS is scheduled to last 15 months, from January 31, 1993, to May 7, 1994.

Sincerely,

*James L. Milhoan*  
James L. Milhoan  
Regional Administrator

Enclosures:

1. Cover letter for the Initial SALP Report
2. Meeting Summary and Attendance List
3. OPPD response to the initial SALP report

cc: (see next page)

MAY 17 1993

bcc to DMB (IE40)

bcc distrib. by RIV:

J. L. Milhoan  
 DRSS-FIPS  
 RIV File  
 Section Chief (DRP/TSS)  
 Lisa Shea, RM/ALF, MS: MNBB 4503  
 Senior Resident Inspector - Cooper  
 The Chairman (MS: 16-G-15)  
 Commissioner Rogers (MS: 16-G-15)  
 Commissioner Curtiss (MS: 16-G-15)  
 Commissioner Remick (MS: 16-G-15)  
 Commissioner de Planque (MS: 16-G-15)  
 J. M. Taylor, EDO (MS: 17-G-21)  
 J. M. Montgomery

Resident Inspector  
 MIS System  
 DRP (2)  
 DRS  
 J. T. Gilliland, PAO  
 C. A. Hackney, RSLO  
 Records Center, INPO  
 G. F. Sanborn, EO  
 Ann Mattila  
 RRI's at all sites  
 L. J. Callan, D:DRSS  
 D. D. Chamberlain, DRSS  
 B. Murray, DRSS

RIV: TSS	D: DRSS	DRP	RA
PHHarrell;df	LJCallan	JMMontgomery	JLMilhoan
5/17/93	05/17/93	05/17/93	05/17/93

Omaha Public Power District

-2-

Your written comments, a summary of our meeting, and the results of my consideration of your comments will be issued as an appendix to the enclosed initial SALP report and will constitute the final SALP report.

Sincerely,

  
James L. Milhoan  
Regional Administrator

Enclosure:  
Initial SALP Report  
50-285/93-99

cc w/enclosure:  
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Nebraska Department of Health  
ATTN: Harold Borchert, Director  
Division of Radiological Health  
301 Centennial Mall, South  
P.O. Box 95007  
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Fort Calhoun Station  
ATTN: James W. Chase, Manager  
P.O. Box 399  
Fort Calhoun, Nebraska 68023

OMAHA PUBLIC POWER DISTRICT

FORT CALHOUN STATION

AUGUST 1, 1991,  
THROUGH  
JANUARY 30, 1993

FORT CALHOUN, NEBRASKA

APRIL 30, 1993

## SALP PROGRAM OBJECTIVES

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

# FORT CALHOUN STATION OVERALL PERFORMANCE SUMMARY

<u>FUNCTIONAL AREA</u>	<u>RATING LAST</u> <u>PERIOD</u> 5/1/90 - 7/31/91	<u>RATING THIS</u> <u>PERIOD</u> 8/1/91 - 1/30/93
PLANT OPERATIONS	2 (IMPROVING)	2
RADIOLOGICAL CONTROLS	1	2
MAINTENANCE/SURVEILLANCE	2 (IMPROVING)	2
EMERGENCY PREPAREDNESS	2	1
SECURITY	1	1
ENGINEERING/TECHNICAL SUPPORT	1	1
SAFETY ASSESSMENT/QUALITY VERIFICATION	1	1

# RADIOLOGICAL CONTROLS

## CATEGORY 2

### ANALYSIS

- + MANAGEMENT SUPPORT
- + PLANNING AND PREPARATION PROGRAM FOR REFUELING OUTAGE
- + INVESTIGATION AND ASSESSMENT OF UPTAKE INCIDENTS
- + ALARA PROGRAM
- + TRAINING, AUDIT, AND SURVEILLANCE PROGRAMS
- o EFFLUENT MONITORS
- o SUPERVISOR OPENINGS
- IMPLEMENTATION OF THE RADIATION PROTECTION PROGRAM
- COMMUNICATIONS AMONG DEPARTMENT STAFF
- SUPERVISORY OVERSIGHT

# EMERGENCY PREPAREDNESS

## CATEGORY 1

### ANALYSIS

- + RESPONSE TO LOSS-OF-COOLANT EVENT
- + IMPROVED PERFORMANCE DURING EMERGENCY DRILLS
- + EMERGENCY COMMAND AND CONTROL DURING 1992 EXERCISE
- + IMPROVEMENTS IN EXERCISE OF RADIOLOGICAL CONTROLS DURING EMERGENCIES
- + TRAINING PROGRAM FOR RESPONSE PERSONNEL
- + IMPLEMENTATION OF EMERGENCY PLAN AND PROCEDURES FOR DRILLS



# ENGINEERING / TECHNICAL SUPPORT

## CATEGORY 1

### ANALYSIS

- + PROACTIVE IN IDENTIFICATION AND RESOLUTION OF ENGINEERING ISSUES
- + SYSTEMS ENGINEERING PROGRAM
- + IDENTIFICATION OF DESIGN ISSUES
- + RESPONSE TO PLANT EVENTS AND OTHER COMPLEX ACTIVITIES
- + MANAGEMENT INVOLVEMENT
- + PERFORMANCE OF SAFETY EVALUATIONS
- o NUCLEAR ENGINEERING STAFF ASSERTIVE IN MAINTAINING COGNIZANCE OF FUEL PERFORMANCE
- o IMPLEMENTATION OF PLANT MODIFICATIONS

## NEXT SALP PERIOD

- o SCHEDULED JANUARY 31, 1993, THROUGH  
MAY 7, 1994
  
- o 15 MONTHS

Attachment

**SALP RECOMMENDATIONS & RESPONSES  
May 1993**

Plant Operations

**NRC Recommendation:** Improve controls over outage management and address the occasional lack of attention by operations personnel.

**OPPD Response:** In early fall 1992, OPPD initiated the Nuclear Process Management Team (NPMT) with a specific goal to improve the conduct of refueling outages. This effort is supported by all managers and focuses on the outage planning and implementation processes. Eight Outage Performance Enhancement Teams (OPETs) and 16 High Impact Teams (HIT) have been sponsored by the NPMT focusing on specific outage processes. Appropriate recommendations from this effort will be in place prior to the 1993 outage.

OPPD implemented the majority of the guidelines in NUMARC 91-06 "Guidelines for Industry Actions to Assess Shutdown Management" prior to the last Refueling Outage and will implement the remainder of these guidelines by the start of the 1993 Refueling Outage. During outages there will be Senior Reactor Operators (SROs) in the Outage Control Center (OCC) to coordinate work activities, ensure compliance with Limiting Conditions for Operation (LCOs) and perform administrative functions to assist the Shift Supervisor. An SRO Safety Advisor will provide continuous independent oversight to the Shift Supervisor during the outage and make recommendations as necessary.

The need for attention to detail by operations personnel is constantly reinforced by management through regular weekly meetings with the training crews. The Division Manager - Nuclear Operations routinely has meetings during requalification training cycles with each crew to emphasize the need for self-checking and to enhance awareness of various operational issues. In addition, attention to detail continues to be emphasized at various plant meetings including periodic Shift Supervisors' meetings, Maintenance meetings and monthly Safety meetings. OPPD also continues to utilize the ongoing training process to reinforce attention to detail.

Currently there are seven Shift Supervisors, six of which are on shift while the other Shift Supervisor is responsible for personnel performance issues. Areas covered include looking ahead to prevent incidents, how incidents happen, and general corrective actions to prevent recurrence. These issues are then discussed at quarterly meetings with all operating crews during their requalification training cycles.

Maintenance/Surveillance (continued)

OPPD currently has various programs in place to address reliability issues and will review the adequacy of these existing programs (i.e., SO-G-87, daily planning meetings, Reliability Task Force) with regard to addressing the effect of nonsafety-related maintenance activities on safety-related systems. This review will be completed within the next 90 days.

Concerning the level of oversight of surveillance testing during the refueling outage, OPPD plans to have a Shift SRO on each outage shift to facilitate work including coordination of surveillance testing system alignments. The SRO in the OCC will ensure compliance with LCOs and perform administrative functions to assist the Shift Supervisor. As previously noted, an SRO Safety Advisor will provide continuous independent support to the Shift Supervisor during the outage and make recommendations as necessary.