UNITED STATES NUCLEAR REGULATORY COMMISSION REGIONIV 611 RYAN PLAZA DRIVE, SUITE 400 ARLINGTON TEXAS 76011-8064

JUN 2 | 1994

Docket: 50-298 License: DPR-46

Nebraska Public Power District

ATTN: Guy R. Horn, Vice President - Nuclear

P.O. Box 98

Brownville, Nebraska 68321

SUBJECT: PUBLIC MEETING

This refers to the public meeting conducted at the Cooper Nuclear Station training building on May 26, 1994. This meeting was held to discuss the progress made by the licensee to implement the Integrated Enhancement Plan. which has been developed by the licensee to improve overall performance at the facility. In addition, a public exit meeting was held to discuss the review of the special inspections that were performed in the areas of undervoltage testing of breakers and maintaining the pressure integrity of the control room envelope. The results of these special inspections will be discussed in NRC Inspection Report 50-298/94-16.

The meeting was mutually beneficial in that it provided a forum where the NRC was able to express its concerns regarding the safe operation of the Cooper Nuclear Station, and the licensee was able to discuss its position about the NRC concerns. As a result of the interactions between the licensee and the NRC, a better understanding of the NRC's specific issues with respect to overall licensee performance was established.

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

Should you have any questions concerning this matter, we will be pleased to discuss them with you.

Sincerely.

MA. Bill Beach, Director Division of Reactor Projects

Attachments:

1. Attendance List

2. Licensee Presentation

9406270116 94062 PDR ADOCK 05000298

cc: Nebraska Public Power District ATTN: G. D. Watson, General Counsel P.O. Box 499

Columbus, Nebraska 68602-0499

Nebraska Public Power District ATTN: Mr. David A. Whitman P.O. Box 499 Columbus, Nebraska 68602-0499

Nebraska Department of Environmental Quality ATTN: Randolph Wood, Director P.O. Box 98922 Lincoln, Nebraska 68509-8922

Nemaha County Board of Commissioners ATTN: Larry Bohlken, Chairman Nemaha County Courthouse 1824 N Street Auburn, Nebraska 68305

Nebraska Department of Health
ATTN: Harold Borchert, Director
Division of Radiological Health
301 Centennial Mall, South
P.O. Box 95007
Lincoln, Nebraska 68509-5007

Department of Natural Resources
ATTN: R. A. Kucera, Department Director
of Intergovernmental Cooperation
P.O. Box 176
Jefferson City, Missouri 65102

Kansas Radiation Control Program Director

E-Mail report to D. Sullivan (DJS)

bcc to DMB (IE45)

bcc distrib. by RIV:

L. J. Callan

Branch Chief (DRP/C)

MIS System

Branch Chief (DRP/TSS)

RIV File

Resident Inspector

Leah Tremper, OC/LFDCB, MS: MNBB 4503

DRSS-FIPB

Project Engineer (DRP/C) Senior Resident Inspector - River Bend

Senior Resident Inspector - Fort Calhoun

| RIV:C:DRP/C | D:DRP | |
|--------------|---------------|--|
| ephankathlor | FOABBeach DUM | |
| 6 / 94 | 6/21/94 | |

E-Mail report to D. Sullivan (DJS)

bcc to DMB (IE45)

bcc distrib. by RIV:

L. J. Callan

Branch Chief (DRP/C)

MIS System

Branch Chief (DRP/TSS)

RIV File

Resident Inspector

Leah Tremper, OC/LFDCB, MS: MNBB 4503

DRSS-FIPB

Project Engineer (DRP/C) Senior Resident Inspector - River Bend

Senior Resident Inspector - Fort Calhoun

| RIV:C:DRP/C | D:DRP | | |
|--------------|-------------|--|--|
| PHASPRADIANT | MABBeach DW | | |
| 6) 794 | 6/21/94 | | |

ATTACHMENT 1

ATTENDANCE LIST

Licensee Personnel

R. Gardner, Plant Manager

G. Horn, Vice President - Nuclear
J. Lynch, Plant Engineering Manager
E. Mace, Senior Manager, Site Support

J. Meacham, Senior Division Manager, Safety Assessment

G. Smith, Nuclear Licensing Manager

D. Whitman, Division Manager of Nuclear Support

R. Wilbur, Division Manager, Nuclear Engineering and Construction

V. Wolstenholm, Division Manager, Quality Assurance

NRC Personnel

R. Barr, Senior Resident Inspector, WNP-2

B. Beach, Director, Division of Reactor Projects

J. Callan, Regional Administrator

P. Harrell, Chief, Projects Branch C R. Kopriva, Senior Resident Inspector, Cooper Nuclear Station

M. Miller, Senior Resident Inspector, Diablo Canyon

R. Scarano, Deputy Director, Division of Reactor Safety and Safeguards

W. Walker, Resident Inspector, Cooper Nuclear Station

In addition to the personnel listed above, other licensee personnel, members of the public, and representatives from the media attended the meeting.

NEBRASKA PUBLIC POWER DISTRICT/ NUCLEAR REGULATORY COMMISSION

PROGRESS MEETING

MAY 26, 1994





NPPD/NRC PROGRESS MEETING

G. R. HORN

VICE PRESIDENT - NUCLEAR



"DO IT RIGHT the First Time, Every Time"

NPG HEALTH ASSESSMENTS (IEP INPUTS)

CNS Performance Assessment Project

CNS Corrective Action Program Self-Assessment

Enforcement Issues Investigation

Common Cause Analysis Study

Engineering Department Effectiveness/Organization Assessment





IDENTIFIED ARE S OF WEAKNESS

Management

- Communication of Expectations
- Performance Monitoring/Feedback
- Empowerment/Accountability
- Skill Level





IDENTIFIED AREAS OF WEAKNESS

Questioning Attitude/Culture

Identification of Problems and Implementation of Corrective Action

Procedure and Program Adequacy

Integrated Goals and Objectives





MANAGEMENT STRATEGY

Short Term - Integrated Enhancement Program

- Internal Inputs
- External Inputs
- Developed Integrated Plan





INDUSTRY BENCHMARKS

Empowerment/Accountability

Teamwork/Communications

Clear Strategies/Vision

Strong, Visible Leadership

Value-Added Focus

Effective Use of Contractors





WE ARE WORKING HARD THROUGH OUR UPGRADE EFFORTS TO OVERCOME

Old Culture

Old Problems with Inadequate Solutions

Procedure & Program Inadequacies

Old Expectations & Traditional Solutions





PRESENTATIONS

Presentations on Progress/Results will be Provided in the Following Order:

Organizational Changes Nuclear Support Quality Assurance Site Support Safety Assessment Operations

Closing Remarks

G. R. Horn D. A. Whitman V. L. Wolstenholm E. M. Mace J. M. Meacham R. L. Gardner J. E. Lynch

G. R. Horn





OVERVIEW OF NPPD ORGANIZATIONAL CHANGES

CHANGES MADE

Relocated

- VP Nuclear
- Quality Assurance
- Licensing

Created

- Senior Manager Safety Assessment
- Independent Review Group
- Industry Advisory Group
- Emergency Planning Manager





OVERVIEW OF NPPD ORGANIZATIONAL CHANGES

CHANGES MADE

INPO Loaned Executive as Plant Engineering Manager

Staffing Levels Increased in Key Areas

Additional Organizational Changes Planned





NPPD/NRC PROGRESS MEETING

D. A. WHITMAN

DIVISION MANAGER NUCLEAR SUPPORT



"DO IT RIGHT the First Tin <, Every Time"

ISSUES

Traditional Licensing Function

Expanded Licensing Support Role Needed at CNS

Expanded Interface Capability with NRC Region IV Staff





PROGRESS/RESULTS

Utility Survey Conducted

Reorganization Plan Developed and Approved

Personnel Search in Progress





CHALLENGE

Just do it





FUTURE ACTIVITIES

Develop & Implement a Regulatory Interface Strategy

Develop & Implement a Regulatory Issues Response Strategy

Conduct a Follow-Up Assessment of Licensing Performance





NPPD/NRC PROGRESS MEETING

V. L. WOLSTENHOLM

DIVISION MANAGER QUALITY ASSURANCE



"DO IT RIGHT the First Time, Every Time"

是一个大型,我们就是一个大型,我们们们的一个大型,我们们的一个大型,我们就是一个大型的一个大型,这个大型的一个大型,这个大型,这个大型的一个大型的一个大型的一个

ISSUE

Quality Assurance was not always effective in providing Management with the critical insights into the performance of the Plant and Operating Staff

- Audit Effectiveness
- Oversight of Plant Events and Problems





PROGRESS/RESULTS

Process Changes

- Internal Audit and Surveillance Program
 - · Improved Depth
 - · Optimized Scheduling
- QA Assessment/Evaluation Program
 - Extensive Overview of Recent Plant Events/Problems
 - Identification of Real Time Issues for Assessment/Evaluation





CHALLENGE

Transition from a Primarily Compliance Based Program to an Aggressive Performance Based Program





FUTURE ACTIVITIES

Staff Skill Base Training

Industry Comparisons

QA Process Re-Engineering

Effectiveness Validation of QA Program Changes





NPPD/NRC PROGRESS MEETING

E. M. MACE

SENIOR MANAGER SITE SUPPORT



"DO IT RIGHT the First Time, Every Time"

ISSUES

Weak Management/Supervisory Skills

- Teamwork
- Communications
- Fundamental Management Skills





PROGRESS/RESULTS

Progress

- Management Development Program
- Management Meetings
- Management by Walking Around





PROGRESS/RESULTS

Results

- QA Monthly Survey
- 2 Hour Walkabouts
- Dialoguing Sessions





CHALLENGE

Achieve Necessary Management Skill Level Improvement





The state of the s

FUTURE ACTIVITIES

Assess/Develop/Present

Monitoring Managerial Performance

Effectiveness Assessments

Plant Visits





NPPD/NRC PROGRESS MEETING

J. M. MEACHAM

SENIOR NUCLEAR DIVISION MANAGER OF SAFETY ASSESSMENT



"DO IT RIGHT the First Time, Every Time"

PROBLEM IDENTIFICATION/RESOLUTION (FIND AND FIX OUR OWN PROBLEMS)

ISSUES

Failure to Find and Fix Problems the First Time

- Cumbersome Procedures
- High Threshold
- Inadequate Management Involvement
- Lack of Problem Ownership and Accountability
- Inadequate Root Cause Evaluations
- Resources Not Correlated to Significance
- Weak Trending Program

Not Keeping Abreast of Emerging Industry Issues





PROBLEM IDENTIFICATION/RESOLUTION (FIND AND FIX OUR OWN PROBLEMS)

PROGRESS/RESULTS

Progress

- Implemente | New Corrective Action Program
- Created Independent Review Group
- Created Industry Advisory Group
- Improved NPG Self-Assessment Program





PROBLEM IDENTIFICATION/RESOLUTION (FIND AND FIX OUR OWN PROBLEMS)

PROGRESS/RESULTS

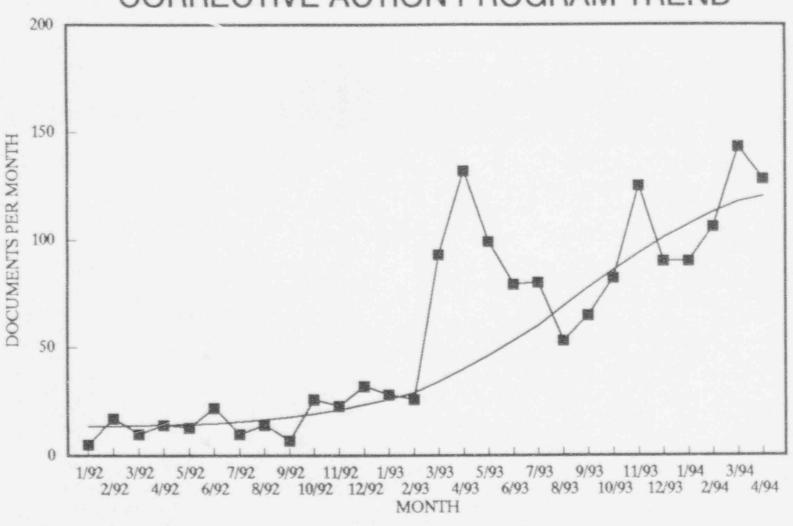
Results

- Significant Increase in Problem Reporting
- Increased CAP Usage by Non-Supervisory Personnel
- Improved Management Awareness and Involvement
- Higher Awareness of Operability Concerns
- Several Major Self-Assessments Performed
- Numerous Specific Area Assessments Performed





CORRECTIVE ACTION PROGRAM TREND



*EXCLUDES OUTAGE DATA MARCH – JULY

GENERATION RATE

20.9 Per Day 30.0 Per CRG Meeting

CATEGORIZATION

5 Category 1 (0.5 %) 14 Category 2 (1.6 %) 131 Category 3 (14.6 %) 71 Category 4 (7.9 %) 679 Category 5 (75.4 %)





ORIGINATION BY DEPARTMENT

44 % Operations
17 % Maintenance
12 % CNS Engineering
8 % Radiological
5 % QA
3 % NED
11 % Others

BY POSITION

96 % Non-Supervisory 3 % Supervisor 1 % Other





CHALLENGES

Consistent Utilization of the Corrective Action Program

Increased Emphasis on Human Performance

Further Streamlining of the CAP Process

Root Cause Analysis Proficiency





FUTURE ACTIVITIES

Improve Root Cause Program

- Enhance Procedural Guidance
- Assess Ongoing Training Needs
- Establish In-House Root Cause Mentors





FUTURE ACTIVITIES

Improve Root Cause Program

- Enhance Frocedural Guidance
- Assess Ongoing Training Needs
- Establish In-House Root Cause Mentors





FUTURE ACTIVITIES

Define and Implement Continuous Performance Monitoring for CAP

- Assess Ability to Fix it Right the First Time
- Monitor Process Effectiveness

Institutionalize IRG and IAG

Conduct Self-Assessment of Programmatic Improvements





NPPD/NRC PROGRESS MEETING

R. L. GARDNER

PLANT MANAGER



"DO IT RIGHT the First Time, Every Time"

ISSUES

Lacked Sufficient Questioning Attitude and Rigorous Approach to Problem Identification and Resolution

Management Expectations

- Communications
- Problem Identification and Resolution
- Empowerment/Ownership/Accountability





PROGRESS/RESULTS

Strategies for Long Term Cultural Improvement

- Integrated Enhancement Program
- Vision, Mission, Values
- Business Plan
- Communication of Management Expectations





PROGRESS/RESULTS

Communication and Implementation of Strategies

- Meetings
- Newsletters
- Management by Walking Around
- Management Development Program- Employee Feedback
- Corrective Action Program





CHALLENGES

Long Term, Continuing Process

Effectiveness Monitoring

Organizational Acceptance





And the second of the second o

FUTURE ACTIVITIES

Maintain Current Efforts

Effectiveness Reviews

Continued Reinforcement/Adjustment

Industry Performance Awareness





ISSUE

Provide Sufficient Detail in Preventative Maintenance and Corrective Maintenance Work Instructions





PROGRESS/RESULTS

Progress

- Review Teams for Both PMs and Corrective Maintenance Procedures
- Determined "Skill-of-the-Craft" to be Used as Baseline for Procedure Content
- Published Guidelines for Procedures Content Reviews





PROGRESS/RESULTS

Results

- PM Program Reviews & Upgrades Over 60% Complete
- Corrective Maintenance Procedure Reviews & Upgrades About 12% Complete





CHALLENGES

Prevention of Performance Problems While Upgrades Proceed

Expeditious Completion of Upgrades





FUTURE ACTIVITIES

Continue Procedure Review and Upgrade Processes

Perform Training on Upgraded Procedures





NPPD/NRC PROGRESS MEETING

J. E. LYNCH

ENGINEERING MANAGER



"DO IT RIGHT the First Time, Every Time"

ISSUE

Improve Engineering Capabilities for

- Workload Management
- System Performance Monitoring
- Program Performance Monitoring





PROGRESS/RESULTS

Progress

- Engineering Department Assessment Complete
- Work Prioritization Criteria Developed
- Backlog Work and Incoming Work Prioritized
- Engineering Department Performance Indicators Developed
- System and Program Report Cards
- Augmented CNS Engineering Staff with 23 Contractors





THE WALL TOO IN THE RELEASE OF THE PARTY OF

PROGRESS/RESULTS

Results

- Backlog Trend has Leveled Off; Not Yet Falling
- Management Monitoring Capability





CHALLENGES

Schedule for System and Program Report Cards has Slipped

Continued Improvements in Safety Culture/Conscience and Professionalism





FUTURE ACTIVITIES

Set Goals for Department Performance Indicators

Enhance Self-Assessment Capability

Succession Planning, Staff Development

Comprehensive Plan for Efficiency Improvements Needs to be Developed





CLOSING REMARKS

Managing IEP Schedules

Consistency in Addressing Plant Problems

Culture in Some Areas Lagging

Improvements in Performance Monitoring Not Yet Implemented

Work Processes too Complex

Adequacy of Management Skills





CLOSING REMARKS

NPPD IS STEADILY IMPROVING COOPER'S

PERFORMANCE THROUGH THE INTEGRATED

ENHANCEMENT PROGRAM - WHILE CONTINUING TO

SAFELY OPERATE THE PLANT



"DO II RIGHT the First Time, Every Time"

Cooper Nuclear Station - Schedule for Integrated Enhancement Program 1st Quarter 2nd Quarter 3rd Quarter 4th Quarter 1st Quarter ID Name Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nev Dec Jan Feb Mar A: GRH 94-01, Establish Periodic Communications Meetings 2 GRH 94-02, "One Over One" 3 GRH 94-03, Supervisor Meeting with Subordinates GRH 94-04, Management Mentors in Key Areas 4 GRH 94-05, Conduct Study for Appropriate Staffing at CNS 5 6 GRH 94-06, Additional Personnel to Meet Needs of NPG 7 GRH 94-07, VP Meetings on Staffing Study 8 MGMT 94-01, Strengthen CNS Safety Culture 9 MGMT 94-02, Develop an NPG Business Plan 10 MGMT 94-03, Prioritize Outstanding Work 11 RLG 94-01, Develop Program to Review Maintenance Procedures RLG 94-02, Review PM Task Assignments for Adequate Instructions 12 RLG 94-03, Upgrade System Engineer Program 13 14 RLG 94-04, Complete Maintenance Department Reorganization 15 RLG 94-05, Evaluate PIV, ISI, IST and LLRT Programs RLG 94-06, Engineering Backlog 16 17 RLG 94-07, Maintenance Backlog RLG 94-08, Review Qual. & Training of CNS Sys. Eng.; Determine Training Required 18 19 RLG 94-09, Improve Operations Communications 20 JMM 94-01, Upgrade Corrective Action Program 21 JMM 94-02, Improve Operating Experience Review Program 22 JMM 94-03, Enhance Human Performance Evaluation Program 23 JMM 94-04, Review/Revise Operability Determination Process 24 JMM 94-05, Develop Independent Review Group JMM 94-06, Develop NPG-Wide Priority System 25 JMM 94-07, Implement Industry Advisory Group Critical Progress Summary Date: 5/24/94 Milestone Rolled Up

Cooper Nuclear Station - Schedule for Integrated Enhancement Program 1st Quarter 2nd Quarter 3rd Quarter 4th Quarter 1st Quarter ID | Name Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr Jan Feb Mar 27 EMM 94-01, NPG Manager & Supervisor Management Skills Training 28 EMM 94-02, Develop User-Friendly Tracking System for Training & Certification 29 EMM 94-03, Develop Comprehensive System Engineer Training Program for CNS 30 EMM 94-04, Root Cause Training 31 EMM 94-05, CAP Training EMM 94-06, Implement Recommendations of Fire Protection Assessment EMM 94-07, Conduct Compliance Review of CNS Training Program 34 DAW 94-01, Evaluate Licensing Department Organization 35 DAW 94-02, Issue NPG Directives Supporting SPPI 36 REW 94-01, Engineering Program Responsibility Assignment 37 HEW 94-02, Nuclear Engineering & Construction Division Self-Assessment REW 94-03, Evaluate NPG Configuration Control & Design Change Process VLW 94-01, Revise Self-Assessment Program VLW 94-02, Enhance CAP Audits/QA Trend Report 41 VLW 94-03, Establish QA Assessment/Evaluation Program 42 VLW 94-04, Upgrade Internal Audit & Surveillance Program

Date: 5/24/94

Critical Progress Summary

Noncritical Milestone Rolled Up