



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

JUN 27 2001

J. H. Swailes, Vice President of  
Nuclear Energy  
Nebraska Public Power District  
P.O. Box 98  
Brownville, Nebraska 68321

SUBJECT: MANAGEMENT MEETING TO DISCUSS THE STATUS OF COOPER  
NUCLEAR STATION AND OTHER PERTINENT TOPICS

Dear Mr. Swailes:

This refers to the management meeting conducted in the Region IV training conference room on June 18, 2001, between you, your staff, and the NRC. The participants discussed the status of Cooper Nuclear Station and other pertinent topics amongst NRC and Nebraska Public Power District management.


The presentation included the following topics: recent Cooper Nuclear Station performance, 2001 major initiatives, operations performance, the corrective action program, engineering excellence, human performance, NRC items of interest, and the station's future focus.

The attendance list and presentation slides are enclosed with this summary (Enclosures 1 and 2, respectively).

In accordance with 10 CFR 2.790 of the NRC's "Rules of Practice," a copy of this letter and its enclosures will be made available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/NRC/ADAMS/index.html> (the Public Electronic Reading Room).

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

Sincerely,

  
Ken E. Brockman, Director  
Division of Reactor Projects

Docket: 50-298  
License: DPR-46

Enclosures:

1. Attendance List
2. NRC Presentation

cc:

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Electronic distribution from ADAMS by RIV:

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DRP Director (**KEB**)

DRS Director (**ATH**)

Senior Resident Inspector (**JAC**)

Branch Chief, DRP/C (vacant)

Senior Project Engineer, DRP/C (**DPL**)

Section Chief, DRP/TSS (**PHH**)

RITS Coordinator (**NBH**)

Jim Isom, Pilot Plant Program (**JAI**)

Sampath Malur, Pilot Plant Program (**SKM**)

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RIV:SE:DRP/D	AC:DRP/C	D:DRP		
ELHorace;df	DPLoveless	KEBrockman		
6/2/01	6/27/01	6/27/01		

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# MANAGEMENT MEETING ATTENDANCE

LICENSEE/FACILITY	Nebraska Public Power District, Cooper Nuclear Station	
DATE/TIME	June 18, 2001; 1 to 3 p.m.	
LOCATION	Region IV Training Conference Room	
NAME (PLEASE PRINT)	ORGANIZATION	TITLE
DAVID P. LOVELESS	NRC/RIV/DRP	Chief, Branch C, Acting
Arthur T. Howell	NRC/RV/DRS	Director, DRS
Ken. Brackman	NRC/RIV/DRP	Director, DRP
Ellis W. Mershoff	NRC/RIV	Regional Administrator
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Michael T. Boyce	NPPD/CNS	Sr. Mgr Tech. Services
JEROME A. RANALLI	NPPD/CNS	Sr. Mgr OF ENGR.
John A. McDonald	NPPD/CNS	PLANT MANAGER
JOHN H. SWAILES	NPPD/CNS	VICE PRESIDENT, NUCLEAR ENERGY
Doug CURRY	LES	COACHSEL
POW STODDARD	LES	CONSULTANT

# MANAGEMENT MEETING ATTENDANCE

LICENSEE/FACILITY	Nebraska Public Power District, Cooper Nuclear Station	
DATE/TIME	June 18, 2001; 1 to 3 p.m.	
LOCATION	Region IV Training Conference Room	
NAME (PLEASE PRINT)	ORGANIZATION	TITLE
Jeff Clark	NRC-DRP	SRI
Charles Marschall	NRC/DRS/EMB	Chief
ROD STODDARD	LES	CONSULTANT
DOUG CURRY	"	COUNSEL

# COOPER NUCLEAR STATION

June 18, 2001

# AGENDA

- Recent CNS Successes
- 2001 Key Initiatives
- Operations Performance
- Corrective Action Program
- Human Performance
- Engineering Excellence
- Emergency Preparedness
- Ongoing Regulatory Issues
- Path Forward
- On The Horizon



# Recent CNS Successes

- Zero Liquid Discharge
- USAR Re-baseline Effort Complete
- Corrective Maintenance Backlog
- CAP Backlog
- Plant Certification Course for Engineering
- Optimum Water Chemistry
- Service Water System Erosion

# Recent CNS Successes

- Safety System Silting Issue
- Additional Funding to Accelerate Improvements - Board Approval
- Established Equip. Performance Strategy
- Engineering Fully Qualified & Staffed
- March Outage- right decision
- Site-Wide Self-Assessment
- Operations Improvement Initiatives
- Began OWC Injection Testing

# 2001 Key Initiatives

- Continue and Sustain Operations Performance Improvement
- CAP Quality Improvement
- Continue Implementation of Human Performance Improvement Initiatives
- Engineering Excellence Plan Execution
  - CNS Design Basis
  - Programs and Equipment Performance

# Operations Successes

- Increased Staffing
- HIT
- Procedure Upgrade Project (60%)
- Clearance Order Process
- Written Standards/Roles & Responsibilities

# Current Operation Issues

- ❧ Operation's Staffing
- ❧ Operator Distractions
- ❧ Operation's Leadership of Station
- ❧ Crew Performance
- ❧ Management Observation
- ❧ Benchmarking

# Current Operations Training Issues

- STE Program
- SS Continuing Training
- Management Observation
- Non-Licensed Operator Training Upgrade

# Future Operations Improvement

## • Post High Intensity Training

- Management Observations
- CRS Supervisory Upgrade
- Field Supervision
- External SRO hires
- Operations Support Staff
- Operations Station Leadership
- Upgrade Work Practices

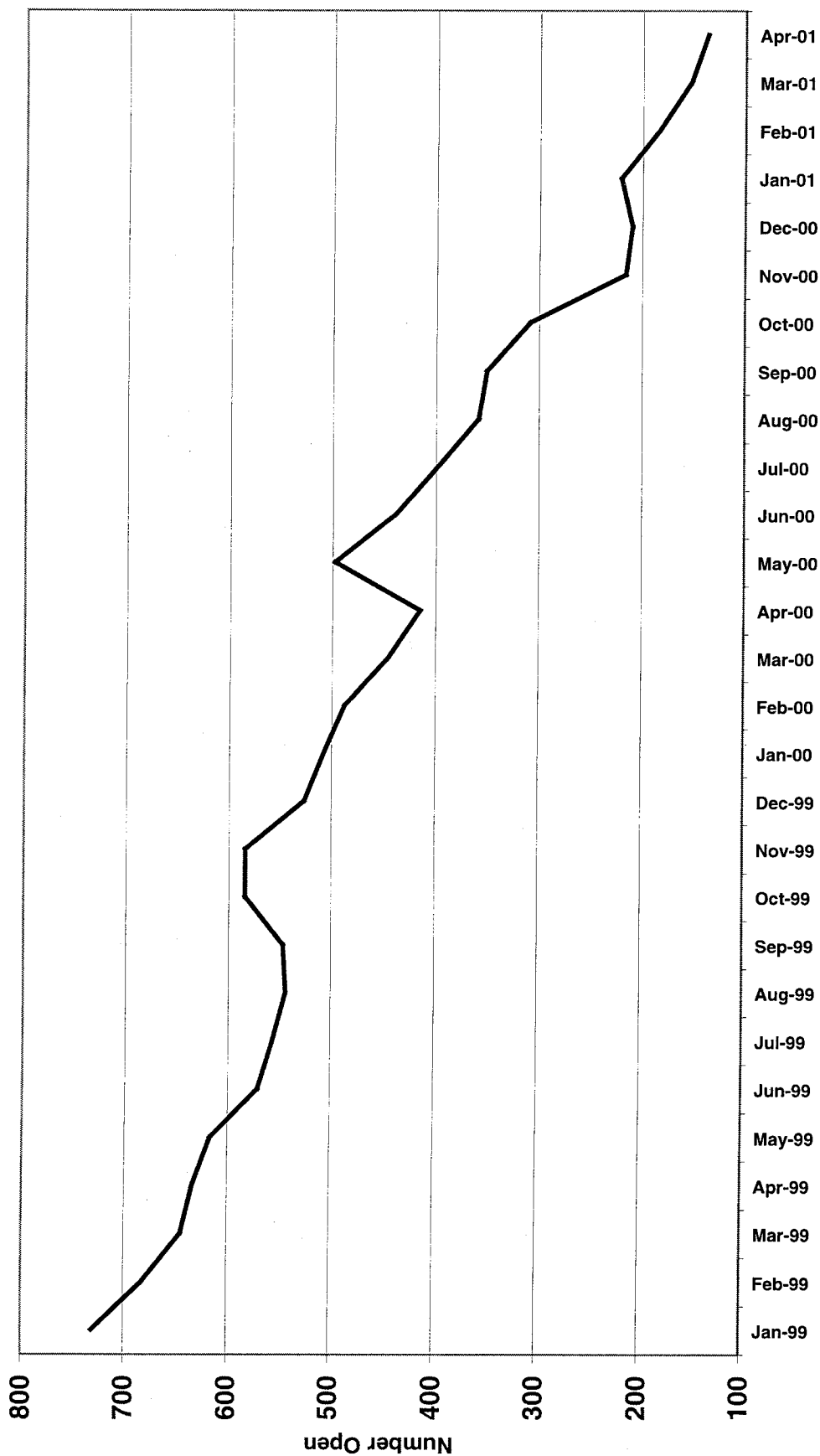
# Corrective Action Program

- Site-wide Plan & Schedule to Address Problem ID and Evaluation
- Improve Problem Identification
- Improve Evaluation Effectiveness
  - Correct Cause & Extent of Condition
  - Improve OD and OE
- Improve Effectiveness of Corrective Action



# SITEWIDE CAP NAIT BACKLOG ITEMS

## Category "C" Items Only



# Human Performance

• Improvement noted by CNS & INPO

• Lessons Learned From:

- MCO Shutdown
- Loss of Critical Bus
- Loss of Augmented Off-gas

• Causal Factor	CNS data	NRC data
Work Practices	51%	43%
Management/Supv.	19%	27%
Written Instructions	14%	17%

# Human Performance

## • Maintenance HP Action Plan:

- Improving First Line Supervisor Skills (Mgt/Supv)
- Increased Craft involvement in Work Package Development (Written Instructions, Work Prac.)
- Clearly established and enforced department expectations (Mgt/Supv, Work Practices)
- Human Error Review Boards (All causal factor areas)
- Improved Pre-job Briefings, Higher Quality and Wider Application (Mgt/Supv)
- OJT/TPE Work Standards (Work Prac.)

# Human Performance

## • Operations HP Action Plan:

- Implemented Procedure Adherence Procedure (Work Practices)
- Human Error Review Boards (All Causal Factor Areas)
- Improved Standards - Upgraded Conduct of Operations Procedure (Mgt/Supv)
- High Intensity Training (Mgt/Supv, Work Practices)
- OJT and TPE Work Standards (Work Practices)

# Human Performance

## • Engineering HP Action Plan:

- Human Performance Fundamentals Training for Engineers, 2nd Qtr ESP Training (Mgt/Supv, Work Practices)
- Plant certification training (Mgt/Supv, Work Practices)
- ESP Qualified (Mgmt/Supv, Work Practices)
- System Health Teams (Work Practices)
- Human Error Review Board (all causal factors)

# Engineering Excellence

- Champions of Configuration Management
  - Verification and Validation
- Design and Licensing Basis Integrity
  - Focus on Safety
  - Understanding
  - Compliance
  - Maintenance
  - Stewardship
  - Technical Conscience for CNS

# Engineering Excellence

## • Intrusiveness in Plant Operations and Maintenance

- Equipment Performance
- System Health, Program Health
- Trending, Monitoring
- Effective Resolution of Plant Problems
- Finding Solutions to Complex Problems
- System Readiness

# 2001 CNS Engineering Business Plan

## • Focus Area: Equipment Performance and System Health

- Top Ten Equipment Issues List
- Long-Standing Equipment Issues (Z-Sump; REC, CREFS, etc.)
- Six-Year Program & Equipment Performance Plans
- Protect Design Basis Margins
- EQ Recovery Project
- Program Assessments & Improvement



# Emergency Preparedness

## ☛ EP Issue

## ☛ Actions Taken:

- Hired Experienced Senior Manager
- Initiated Industry Search for EP Manager
- Augmented EP Staff (Supervisor & CAP)

## ☛ Actions in Progress:

- Use CAP for Continuous Improvement
- Resolve Equipment & Facility Issues
- Improve Training

## ☛ Current Status of Emergency Preparedness

# Ongoing Regulatory Issues

- Summer Operations- Ultimate Heat Sink
- 161 kV Switchyard- USQE Resolution
- Additional license amendment requests to support outage (TS Change):
  - Dose Calculation Methodology
  - Ventilation Filter Test
  - Excess Flow Check Valve Test Frequency

# Path Forward Now

- Consistent High Performance
- Training Excellence
- Effective Management & Supervision
- Stable and Effective Work Force and Management Team
- Zero Tolerance for Equipment Failures

# On The Horizon

- ⌘ Two Year Fuel Cycle
- ⌘ On-site Fuel Storage
- ⌘ Power Up-rate
- ⌘ License Renewal