

UNITED STATES NUCLEAR REGULATORY COMMISSION

REGIONIV

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

SEP - 1 1995

Wolf Creek Nuclear Operating Corporation ATTN: Neil S. Carns, President and Chief Executive Officer P.O. Box 411 Burlington, Kansas 66839

SUBJECT: ENGINEERING ISSUES (NRC INSPECTION REPORT 50-482/95-07)

This refers to the meeting conducted in the Region IV office on August 21, 1995. This meeting related to engineering issues identified in NRC Inspection Report 50-482/95-07 and related matters. A copy of the Wolf Creek Nuclear Operating Corporation presentation material is provided as Enclosure 1. The attendance list for this meeting is provided in Enclosure 2.

During this meeting, licensee personnel discussed actions being taken to improve overall engineering performance at Wolf Creek Nuclear Operating Corporation, including engineering's use of problem identification reports and self assessments, the performance of safety evaluations and expectations for system engineers. Overall, the meeting was positive and provided a good discussion of engineering performance at Wolf Creek Nuclear Operating Corporation and a better understanding of the measures of engineering performance.

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 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.

+ Clona

Thomas P. Gwynn Director Division of Reactor Safe

Docket: 50-482 License: NPF-42

Enclosures:

1. Licensee Presentation

2. Attendance List

ZEUS 1/1

Wolf Creek Nuclear Operating Corporation

cc w/enclosures: Wolf Creek Nuclear Operating Corp. ATTN: Vice President Plant Operations P.O. Box 411 Burlington, Kansas 66839

Shaw, Pittman, Potts & Trowbridge ATTN: Jay Silberr Esq. 2300 N Street, NW Washington, D.C. 20037

U.S. Nuclear Regulatory Commission ATTN: Regional Administrator, Region III 801 Warrenville Road Lisle, Illinois 60532-4351

Wolf Creek Nuclear Operating Corp. ATTN: Supervisor Licensing P.O. Box 411 Burlington, Kansas 66839

Wolf Creek Nuclear Operating Corp. ATTN: Supervisor Regulatory Compliance P.O. Box 411 Burlington, Kansas 66839

Missouri Public Service Commission ATTN: Assistant Manager Energy Department P.O. Box 360 Jefferson City, Missouri 65102

Kansas Corporation Commission ATTN: Chief Engineer Utilities Division 1500 SW Arrowhead Rd. Topeka, Kansas 66604-4027

Office of the Governor State of Kansas Topeka, Kansas 66612

Attorney General Judicial Center 301 S.W. 10th 2nd Floor Topeka, Kansas 66612-1597 Wolf Creek Nuclear Operating Corporation

-3-

E-Mail report to D. Sullivan (DJS) E-Mail report to NRR Event Tracking System (IPAS)

bcc to DMB (IE 45)

bcc distrib. by RIV:

L. J. Callan
Branch Chief (DRP/B)
Section Chief (RIII, DRP/3C)
SRI (Callaway, RIII)
Project Engineer (DRP/B)
Branch Chief (DRP/TSS)
K. E. Perkins, (D/WCFO)

Resident Inspector DRSS-FIPB RIV File MIS System Leah Tremper (OC/LFDCB, MS: TWFN 9E10) B. Henderson, RIV PAO C. Hackney, SLO

DOCUMENT NAME:

To receive copy of document, indicate in box: "C" = Copy without enclosures "E" = Copy with enclosures "N" = No

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08/5/95	08/1/95	02/ 1/95	08/1 /95	08/ /95

OFFICIAL RECORD COPY

Wolf Creek Nuclear Operating Corporation

County Clerk Coffey County Courthouse Burlington, Kansas 66839-1798

Kansas Department of Health and Environment Bureau of Air & Radiation ATTN: Public Health Physicist Division of Environment Forbes Field Building 283 Topeka, Kansas 66620 Wolf Creek Nuclear Operating -3-Corporation

E-Mail report to D. Sullivan (DJS) E-Mail report to NRR Event Tracking System (IPAS)

bcc to DMB (IE 45)

bcc distrib. by RIV:

L. J. Callan Branch Chief (DRP/B) Section Chief (RIII, DRP/3C) SRI (Callaway, RIII) Project Engineer (DRP/B) Branch Chief (DRP/TSS) K. E. Perkins. (D/WCFO)

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ENCLOSURE 1

Licensee Presentation "ENGINEERING"

Wolf Creek Nuclear Operating Corporation

Engineering

August 21, 1995



Purpose and scope

- Address results documented in recent engineering team inspection report
- Provide update on status of ongoing activities within engineering

Robert Hagan, Ph.D. - Vice President Engineering

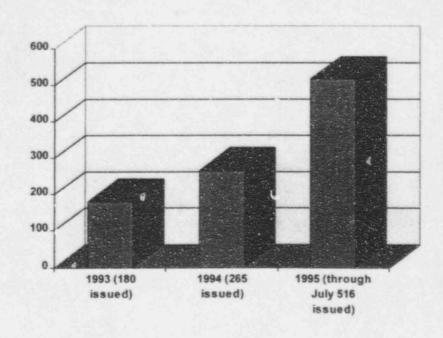


Self Assessments

- Continue to have high priority
- Key vehicle for improvement
- Use of self assessments and PIRs has risen steadily



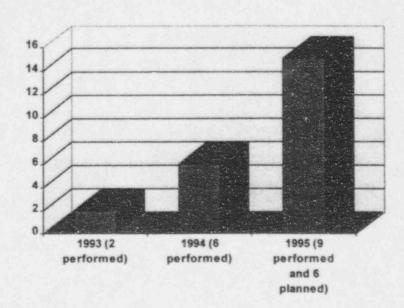
Engineering's use of PIRs



Performance Improvement Requests
Issued By Engineering



· Engineering's use of self assessments



Self Assessments Performed By Engineering



System Engineering

- New manager system engineering
- System engineer exchange program between WCNOC/Callaway
- Manager and supervisors visiting excellent performers
- Planned self assessment of system engineering



- Violation on inadequate safety evaluations is of concern
 - WCNOC self assessment performed in March, 1995
 - Engineering team inspection confirmed results of WCNOC's self assessment
 - To be addressed in detail by N. Hoadley



Violation on failure to document technical concerns

- Demonstrates a potential lack of faith in WCNOC's corrective action process
- President and Chief Executive Officer immediately informed
- President and Chief Executive Officer requested an independent investigation of the concerns
- The independent investigation "In A Nutshell" showed there was use of and faith in the corrective action program - this issue is an isolated case
- Results immediately shared with the senior resident inspector and his management
- Details will be shared with NRC in a followup meeting



- System Engineering
 - Introduction
 - » Immediate Actions Defined
 - Expectations
 - · Responsibility
 - · Authority
 - Accountability
 - » Observations and feedback
 - Reinforce expectations
 - · Provide follow-up and oversight

Brad Norton- Manager System Engineering



Expectations

- Key to establishing
 - » Responsibility
 - » Accountability
- Must be communicated clearly and regularly
 - » Both written and verbal
 - » Through division meetings, supervisory meetings, memos, etc.
 - » Must provide necessary tools to be successful (e.g., training)



Philosophical expectations

- Safety nuclear and personnel risk management
- Performance standards applies to everything
- Communication
- Professionalism
- Budget

Programmatic expectations

- Supervisors
- Engineers



Oversight

- Followup on activities and taking actions when necessary
- Supervisory/ management function
 - » Essential for accountability
 - » Expectations not being met improving
- Manager coach / mentor supervisors
 - » Must be priority



Summary

- Expectations and oversight
 - » Key to success
- Good program
 - » Not broken
- Implementation and feedback



- Attention to detail/ rigor/ thoroughness and documentation
 - Self assessment of engineering change process March, 1995
 - Engineering team inspection- May, 1995
 - Summary of corrective action plan

Nels Hoadley - Manager Support Engineering



Self Assessment - March, 1995

- Two weaknesses identified
 - » Clarity and completeness of
 - · Basis section
 - Documentation of equivalency
 - » Technical reviews and supervisors
 - Not enforcing attention to detail

Corrective actions implemented

- Corrected discrepancies identified by self assessment
- Increased the scope of review for discrepancies
- Discrepancies compiled and returned to supervisor for resolution
- Communicated management's expectations
- Training issues for enhancing the engineering change process identified



- Engineering Team Inspection
 - Reinforced findings of engineering self assessment
 - Corrective actions implemented
 - » Emergency diesel generator fuel oil transfer pump
 - » Removal of valve actuators



- in summary the corrective actions have resulted in
 - Selecting a focused team of managers and supervisors to provide mentoring
 - Reinforcing management's expectations on performance standards
 - Utilizing the Engineering Review Board to critique selected documents
 - Training on engineering change process
 - Performing a follow-up effectiveness review to the engineering change process self assessment - following Refuel VIII



- "Stake planted in ground" for Engineering to be the best in the industry
 - In some aspects we are well on our way
 - In other aspects we need improvement
 - Organizational changes
 - » Managers, supervisors and staff adjustments
 - » Supervisors selected based on ability to manage
 - » Design Engineering Modifications merged
 - » System Engineering essentially unchanged
 - » Nuclear Engineering Licensing merged
 - » Support Engineering reinforced programs
 - » Project engineering concept provides path for meeting scheduling and accountability expectations

ENCLOSURE 2

Wolf Creek Nuclear Operating Corporation

Meeting August 21, 1995 Attendance List MEETING: Wolf Creek Nuclear Operating Corporation

SUBJECT: Engineering Issues (NRC Inspection Report 50-482/95-07)

DATE: August 21, 1995

ATTENDANCE LIST (PLEASE PRINT CLEARLY)

NAME	ORGANIZATION	POSITION TITLE
Elno E. Collins	USING RIX	Acting Eng. Br. Chief Dravon, DRS Regional Administration.
T.P. aman	usine NIZ	Draver DRS
L.J. Calle		Region Administration.
James C. Stone	HRC/NRR/PD 11-2	We Project Manager
DAVID N. GRAVES	NRC/AID/ORP-B	Project Engineer
JOSEPH 1. TAPIA	MRC/RE/OPERATIONS	EXAMINER/INSPECTOR
William M. Lindsay	WCNOC	Mg R Performance Assessment
MARK R. BARBEE	WCNOC	Sur. Sys Eng Elec.
Nels W Hoadley	weyoc	MOR Support Eighteening
V.B.NORTON -	1/C/10C	MER SYSTEM FRIED
Robert Hagan	WINOC	Supervisor Design En
THOMAS P. HOOD	MCNOC	Supervisor Design En
Richard D. Flannigan	werke	Marriges Duchecre Erg
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