

UNITED STATES NUCLEAR REGULATORY COMMISSION

REGION IV 611 RYAN PLAZA DRIVE, SUITE 400 ARLINGTON, TEXAS 76011-4005

November 4, 2004

Mr. J. V. Parrish Chief Executive Officer Energy Northwest P.O. Box 968; MD 1023 Richland, Washington 99352-0968

SUBJECT: COLUMBIA GENERATING STATION - SUMMARY OF THE MEETING WITH

ENERGY NORTHWEST COMPANY TO DISCUSS OPERATIONAL ISSUES AND

ENERGY NORTHWEST IMPROVEMENT INITIATIVES

Dear Mr. Parrish

This refers to the public meeting conducted at the Energy Northwest Company's office complex at 3000 George Washington Way, Richland, Washington, on October 28, 2004. The purpose of this meeting was to discuss operational performance and initial operator examination issues related to Columbia Generating Station. The meeting attendance list and a copy of the handout provided during the meeting are enclosed.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be 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/reading-rm/adams.html (the Public Electronic Reading Room).

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

Sincerely.

William B. Jones, Chief

Project Branch E

Division of Reactor Projects

Docket: 50-397 License: NPF-21

Enclosures:

1. Attendance List

2. Energy Northwest Handout

cc w/enclosures:

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Albert E. Mouncer (Mail Drop PE01) Vice President, Corporate Services/ General Counsel/CFO Energy Northwest P.O. Box 968 Richland, WA 99352-0968

Chairman

Energy Facility Site Evaluation Council P.O. Box 43172 Olympia, WA 98504-3172

Douglas W. Coleman (Mail Drop PE20) Manager, Regulatory Programs Energy Northwest P.O. Box 968 Richland, WA 99352-0968

Gregory V. Cullen (Mail Drop PE20) Supervisor, Licensing Energy Northwest P.O. Box 968 Richland, WA 99352-0968

Chairman

Benton County Board of Commissioners P.O. Box 190 Prosser, WA 99350-0190

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Energy Northwest

-3-

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Lynn Albin, Radiation Physicist Washington State Department of Health P.O. Box 7827 Olympia, WA 98504-7827

Enclosure 1

PUBLIC MEETING ATTENDANCE				
LICENSEE/FACILITY	Energy Northwest Columbia Generating Station			
DATE/TIME	October 28, 2004			
LOCATION	Walkley Room, Energy Northwest Office Complex			
NAME (PLEASE PRINT)	ORGANIZATION			
Dr. Bruce Mallett	NRC Region IV			
Art Howell	NRC Region IV			
William Jones	NRC Region IV			
Tony Gody	NRC Region IV			
Zach Dunham	NRC Region IV			
Ron Cohen	NRC Region IV			
Tom Mc Kernon	NRC RIV			
Javid Ayres	NRC RIL			
Ker Clark	NRC RIL			
Marian K. Hayden	Att Aych Energy Worthwest			

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NRC Public Meeting October 28, 2004 3:00PM

Jim PresLot	Control Room Sopervisor	εν ω COMPANY
Daniele Carlson	Admin. Assistant	Energy Northwest
Doug Coleman	Mg1. Reg. Programs	ENW
BRIAN GARDES	MER PERFORMANTE	BV
Johanna Berkey	DOH REP Program Managers	Wa State DOH
(mens)	KEPR-TV REPORTER	KEPR-TV
JESSICA GWAIN	CVEW-N	KVEW
Dan Sordhein	Crew A STA/IA	<u>EN</u>
Tom Lynih	Ups my	EN
Brent Ridge	CMS Mgr.	EN
GARY ShIND ENITE	Ops Supres Spec	ENW
Grea Cullen	Licensing Supervisor	<u> AUW</u>
CHRISCMAXWELL	OPERATION S	ENW
John Berchazi	Maintenance Maracting a PG	H) EUW
Mike Humphrays	Eng. General Mgr.	ENW
luge Borland	RPM	ENW
Mike Keller	Operation	ENW
DAMELL HARPER	OPCRATIONS	ENW
IM LINDSLET	TRAINING	ENW
MYRON BAIRD	OPERATIONS	ENW
LEONARD HARVIK	FFTF OPS	FH
Care Kinh	CHEMISTRY MER	EN
Fred KlAUSS	Program Myn	EMD WASTATT
Donna Maguley	EXCC.ASST.	ENW
Tom Roams	REP Program Cours	FROMUNG E.M.
Dave Schemonn	Openation	27W
Jeff Powers	Sys Enginin	ENW
Carl E Golightly	Ops Training	ENW
Neil Patrod	[m. Spec 3]	EV
Dave Brown	Operations	EN
JellStJol-	report, Tout	Tilaburall
Mar anne Calli	QA Superison	EN
Wally Butt	1611	

NRC Public Meeting October 28, 2004 3:00PM

<u>NAME</u>	TITLE	COMPANY
Laura Lovey	Comm Con.	EN
Kich Meyers	Operations	EN
Bob Sherman	Nuclear Engineer	BPA
John C Hanson	to Mar	EM
DanRichey	Os Engr	Evel
Scott Oxental	VP Generation	ENW
Dustin Greenwood	OPS	ENW
CURTO MOORE	EP SWEDUSUR	ENW
RICHARD & OLSON	OPS	ENN
Pat Camphell	(icensing	ENW
Mark Westergran	Training	
Sta Bruce	TRAINING	<u> </u>
Roberto H. Torres	Quality Manager	ENW
Douges S. Feldman	System Engreen MGR	ENR
DOANNA HENRY	EMEROONCY MANAGER	DREGON DATE OF ENEROY
John Pielli	TEAMINE	Eval
Michael dreng	Training Spec	EN
AS Fungted	TARS Supervisor	EN
Robin Fenerbacher	RY/Freds Ergo. Manage	<u>en</u>
A.S. MOUNCER	UP-CORP. SUCS.	5 N
July Whitcomb	CED Office	ENW
Sharth. Ger	Assitant Ops Manager	EN
Gree Krudsin	Transa Supervisor	<u> </u>
Bred teck	EN Comm	EN
Shawn Str German	OPEN ATTONS	جسا
JOHN PCARLSON	OperAtions .	EN
David L Whitcomb	Program manager/Retired	
Rachael McDonald	Keporker	NW Public Radio
CHIPWOOD, PL.D.	FR 4050 \$ 1550 CMRS	
Fordham, E. W.	Reg linector, to	WA Dept of Health
	Résoner Pourant	EN
T. Reddy Mark Naulty	CRS OPS	EN
Mark Navig	-	

DALSIT MAND	Work Control Manager	EU.
Kathy Martin	Training Specialist	EN
Dale Atkinson	Vih Tech Sur	EN
Vic Poreist	CtO/c~o	En.
Craig Sly	Licensing	EN
mot Hedges	Reg Services	EIX
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ROGER O GREGORY	CRS	EN
Bryce Linville	Ldrship Tryining	EN.
Bill Shaeffer	Staff Asst.	EN

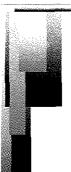




Welcome/Introductions

Public Meeting NRC/Energy Northwest October 28, 2004

Agenda



OPENING REMARKS

- * NRC
- ENERGY NORTHWEST

Bruce Mallett Vic Parrish

Tom Lynch

COLUMBIA PLANT OPERATIONS

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-----15 Minute Break-----

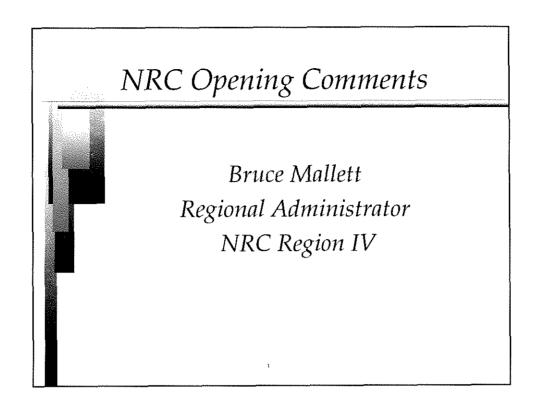
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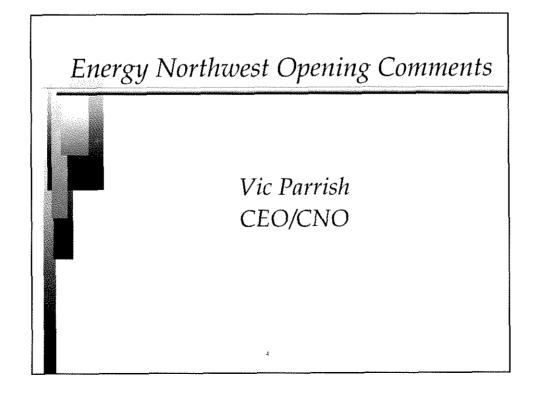
Scott Oxenford

CLOSING REMARKS

- ENERGY NORTHWEST
- * NRC
- PUBLIC COMMENTS/QUESTIONS

Vic Parrish Bruce Mallett







Tom Lynch Manager – Operations Columbia Generating Station

Columbia Operations



Agenda

- Columbia plant status
- Recent events and causes
- Actions taken and in progress to improve performance

Columbia Plant Status



- On-line for 68 days
- Hydrogen water chemistry modification in progress
- Control Room upgrade in progress
- Maintaining "Black Board" concept

Recent Events and Causes



- June 10: Control rod mis-positioning
 - Understanding, application, and enforcement of expectations
- * July 30: Alert following plant shutdown
 - Emergency Preparedness classification issues
- August 15: Plant shutdown
 - Water inventory management
- * August 17: Plant shutdown
 - Failure to follow written instructions

What I saw



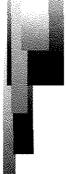
- Supervisors were not fully engaged in details of in-field work
- * Supervisors were not consistently upholding standards and expectations
- Over-emphasis on individual contributor problems
- * Standards and expectations were not crystal clear
- Department was accommodating and accepted mixed performance, both internally and externally

What we have done



- * New Operations Manager
- Reorganized direct reports, crew manager and support manager
- Clarifying roles and responsibilities
- Engaging Operations Support staff in daily activities
- Engaging training personnel in daily activities
- Eliminating process bottlenecks
- Empowering Shift Managers
- Demonstrating accountability, Operations leadership
- Challenging the organization

What we did in the short term



- Required supervisors to conduct pre-job briefs
- Established and enforced in-field coaching expectations, documentation, and trending
- Accountability established for results of event investigations
- Clarified expectations for work performance
- Individuals and supervisors held accountable
 - Revoked qualifications of individuals involved
- Operations Department improvement plan
- Counseling, procedure revisions, training

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Our focus for the long term



- * Aggressively lead the plant to achieve excellence
- * Provide clear priorities and direction for other department activities affecting operations
- * Achieve consistency between control room crews
- Relentless implementation of standards and expectations
- Improve housekeeping and industrial safety
- Eliminate the desire for scheduling flexibility
- * Hold other departments accountable for implementing standards
- * Take leadership role in processes such as work management, equipment reliability, ALARA, and work progress meetings

Where we are going



Operations Performance Improvement Plan

- Defines what excellence in Operations looks like
 - Operationally focused; strong self-assessments; organizational alignment; coaching; strong corrective action program; strong work management; strong equipment reliability
- Identifies gaps to excellence in Operations
- Identifies tasks that will close gaps
- Validated by Conger & Elsea common cause analysis results

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Where we are going - the details



Operations Performance Improvement Plan

- Leadership and alignment improvements
- Control room conduct and professionalism improvements
- * Training improvements
- Operations' role in work management improvements
- Human performance improvements
- Workforce staffing plan

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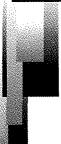
Measuring Effectiveness



- Internal Performance Indicators
- External Audits
- Operations Event Free Clock Resets
- Management Oversight (Field and Training Observations)
 - Trending and resolution of observation data
- I will verify

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Training Connection to Performance



- Results of recently administered Initial Licensed Operator (ILO) exam indicate poor performance
- Immediate OM/PGM/VP concern
- Developed plan and presented to CEO

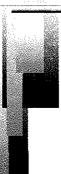
What we did



- * Formed assessment team led by Stew Ebneter to investigate
- Assessment performed to identify the extent of condition of behavioral and knowledge concerns
- Focused on currently qualified operators

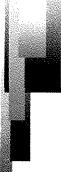
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Scope of Assessment



- Reviewed CRs, PERs, self-assessments, Quality reports, training observations, training evaluations, events, clock resets, INPO assist visits, safety culture survey, crew PTLs
- Developed interview questions
- Interviewed 30 operators/instructors
- Developed immediate actions

Currently Qualified Operators



- Simulator scenarios and written examinations were presented to a sampling of on-shift Operations personnel
- No prior notification or preparation
- On-shift personnel successfully passed all scenarios and examinations

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Assessment Team Conclusions



- We are operating Columbia safely
- However, operations are not error free
- * No programmatic weaknesses of training program identified
- Provided recommendations about current training activities
- Extent of condition linkage to ILC in Emergency Preparedness classification and notification knowledge, and instant SRO knowledge

Assessment Team Activities



- Presented results to Corporate Nuclear Safety Review Board
- Ebneter comment Operators are capable of and focused on protecting public health and safety

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Initial Licensed Operator Exam Results



Preliminary Root Cause

- Insufficient management oversight
- * Inadequate assessment of class makeup
- Weak class evaluation throughout training process
- Exam content

2.

Assessment of Other Training Programs



- Multi-disciplined team led by Quality Manager reviewed skill/knowledge concerns identified in NRC inspections, LERs, PERs, Quality audits, self-assessments, etc.
- Focus: Determine if there were undetected training deficiencies

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Assessment of Other Training Programs



Conclusions

- Did not identify any significant knowledge or training deficiencies that were not already being addressed through the SAT process or through current improvement plans
- Recommendations captured and actions assigned

2-

Independent Evaluations Conducted



- INPO organizational effectiveness assist
- * Assessment of Operations Training extent of condition
- Assessment of other training programs
- Conger & Elsea common cause analysis
- INPO common cause analysis of human performance issues

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Overall Conclusions

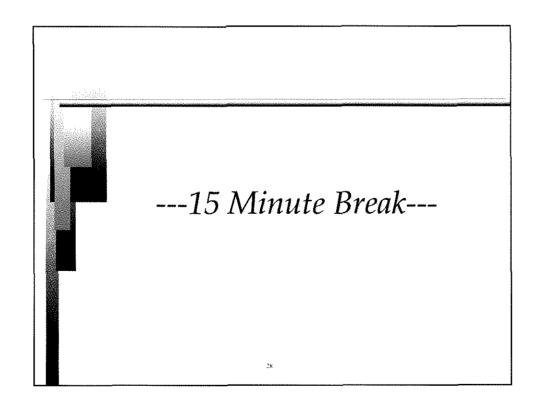


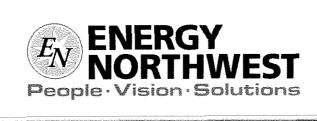
- Unsatisfactory individual and organizational performance in initial license class
- Results indicate Operations and Training management leadership shortfalls
- Initial license class issues do not extend into other operations training programs
- No additional weaknesses in other accredited programs

Summary



- Operations' focus remains on nuclear safety
- We have confidence operators and support personnel have the training and knowledge to operate Columbia in a manner that assures the health and safety of the public
- We understand our issues
- Bottom Line Leadership, crystal clear expectations, accountability, and enforcement of standards

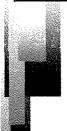




Quest for Excellence

Scott Oxenford Vice President - Generation

Agenda



- Brief History
- Our Vision
- Starting with Leadership
- Where we are
- Where we are heading

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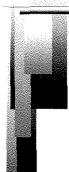
Brief History



- Jan 03 Benchmarking Trip to McGuire
- July 03 Gap Analysis/Strategy Outlined
- Fall 03 Strategy/Actions Finalized
- Oct 03 Engineering Re-organization
- Jan 04 Maintenance Re-organization
- Jan 04 New Work Control Process and Organization

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What QFE is meant to be



From the QFE Plan Introduction:

"The objectives of the Quest for Excellence are twofold. First, it's a detailed action plan for implementing changes in the work we do and how we do it. Second, it's a roadmap for long-term cultural and behavioral change in terms of how we think about, plan for, and conduct activities at Columbia Generating Station."



To be an industry leader in Operational Excellence where . . .

- We are actively committed to Safety
- We seek out our problems and eliminate them
- We plan and execute our work
- We are confident our equipment is reliable
- Our signature means quality and commitment

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Columbia Leadership

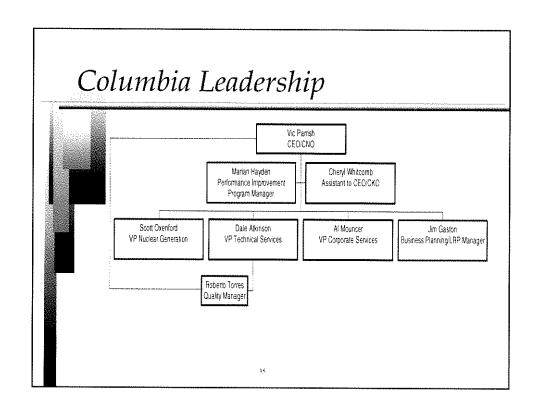


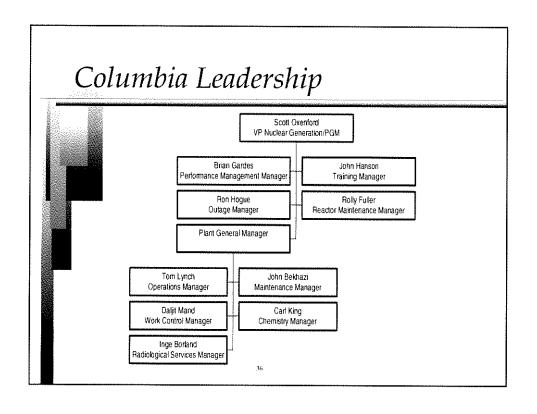
First Who...Then What

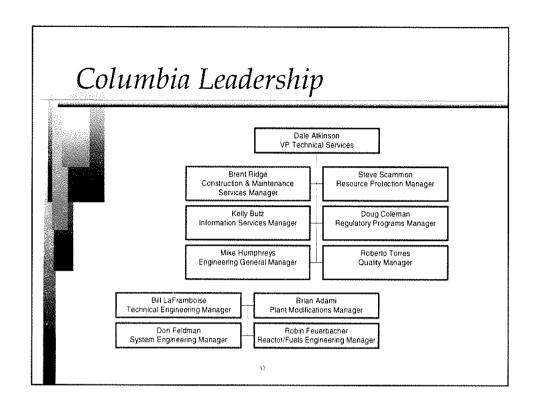
"If we get the right people on the bus, the right people in the right seats, and the wrong people off the bus, then we'll figure out how to take it someplace great."

-Jim Collins, Good to Great

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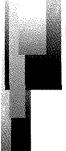




"The station is clearly aligned around operational focus. Workers at all levels of the organization understand the importance of safe and reliable plant operations."

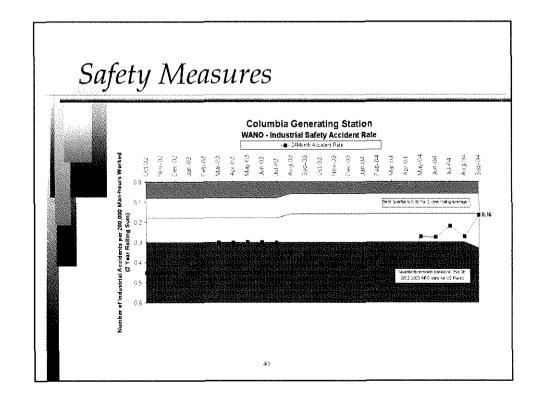
-INPO Organizational Effectiveness Assist Visit Debrief, September 2004

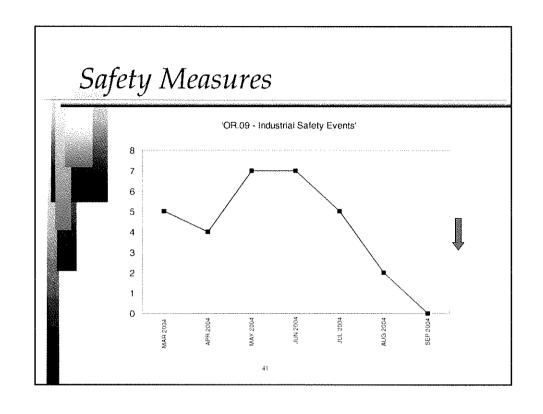
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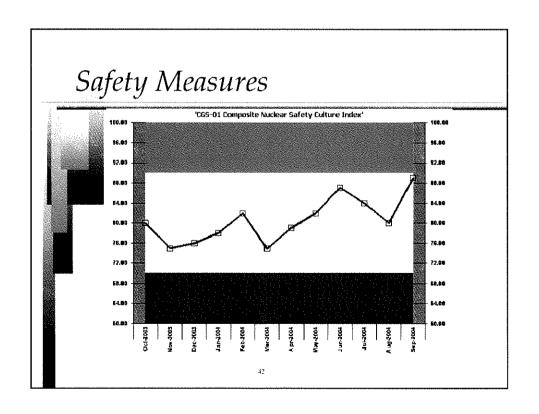


- We are actively committed to Safety
 - ACES Safety Program
 - Integrated Risk Management
 - Operational Decision Making Model
 - Daily Operational Focus Meeting
 - Environmental Management System Certification

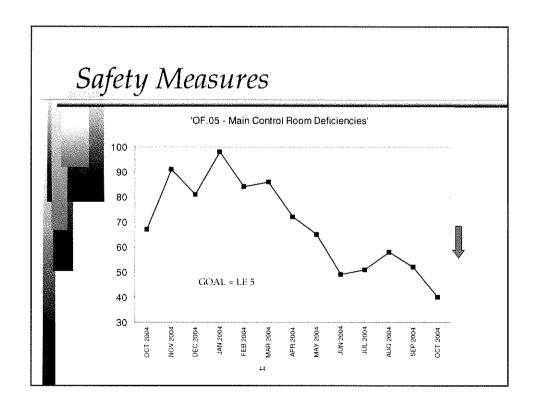
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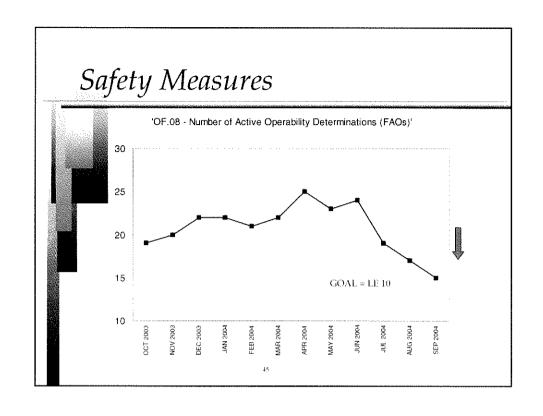


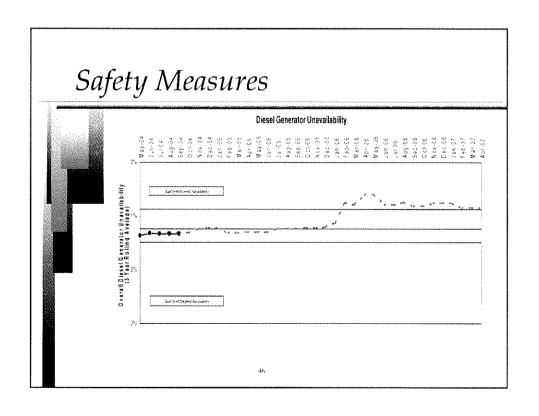


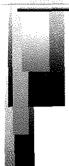


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OF.03 — Unplanned Limiting Condition of Operation	of Lynch	4	3	12
OF.04 - M-Rule Functional Fallures	Feldman	4		4
OF.06 Plant Burdens	Lynch	4	2	8
OF.08 - Number of Active FAOs (Non-C	Outage) Lynch	Э	1.5	3
OF.09 - Reactivity Management Challen	nges Lynch	4	4	16
RIS.01 - Radiation Exposure	Borland	3	4	12
Pl.04 - Event Free Clock Resets	Gardes	1	2	2
PL06 – Repeat Maintenance	Bekhazi	4		4
NRC Pt - Unplanned Power Changes	Coleman	-4	3	12
PL06 – Repeat Maintenance	Bekhazi	4	1	
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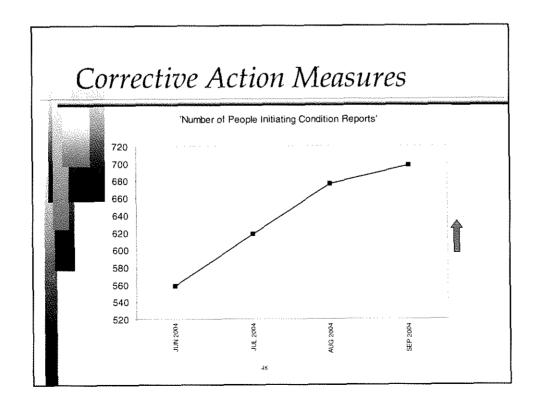


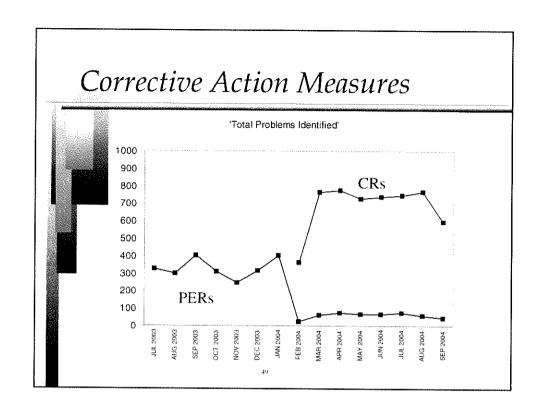


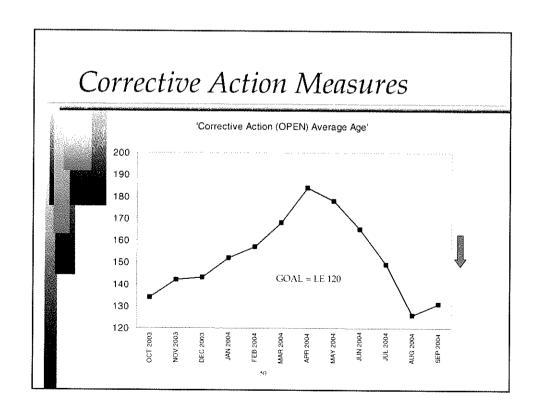


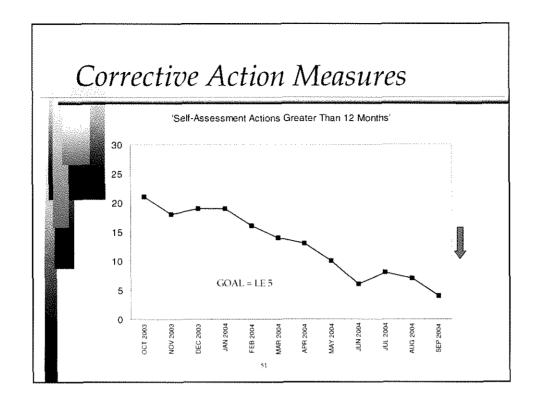


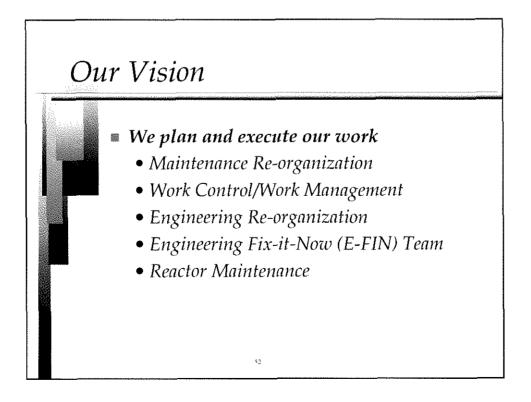
- We seek out our problems and eliminate them
 - Identification
 - -Condition Reporting Process
 - Resolution Quality
 - -Focus on Most Important
 - -Department CARB and Senior Management chairing CARB
 - -Equipment Reliability CARB
 - Focus on Timeliness
 - Columbia Human Performance Plan

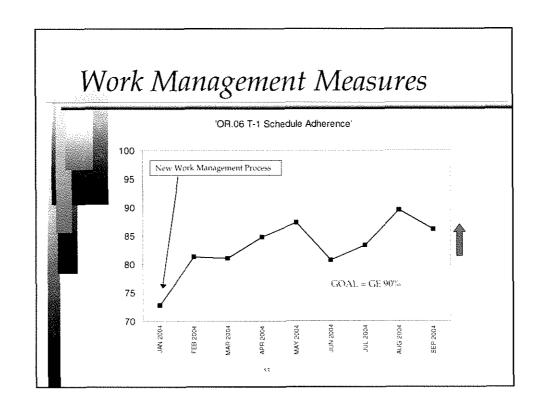


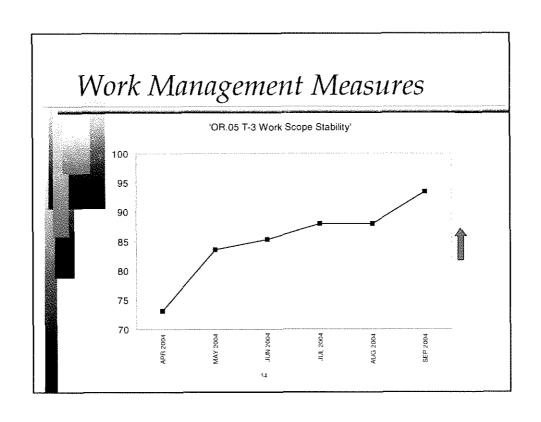


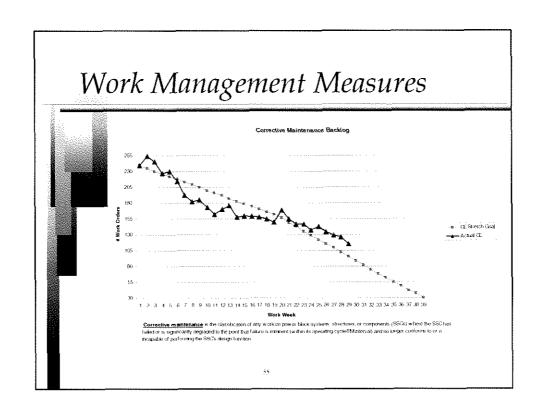


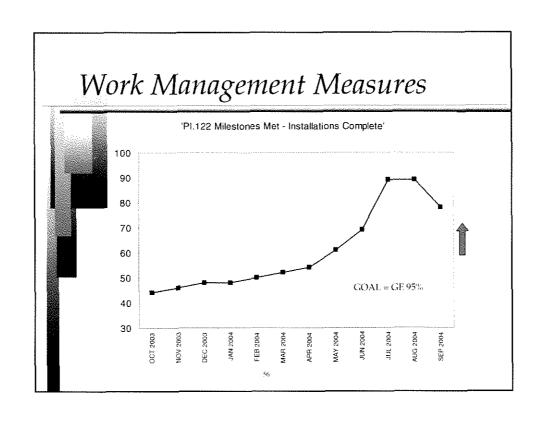






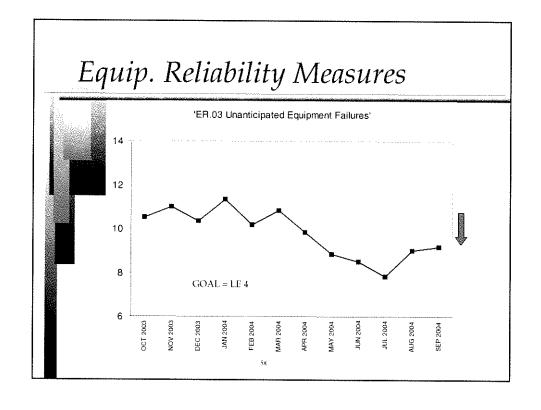


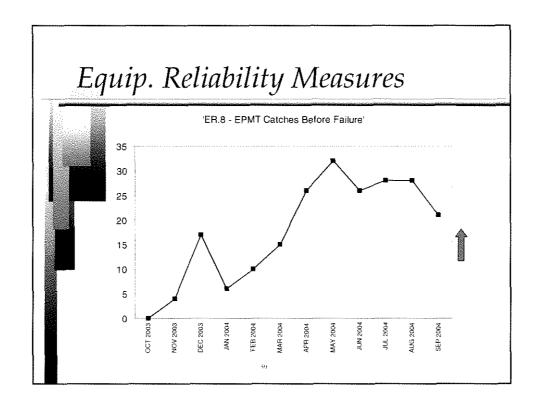


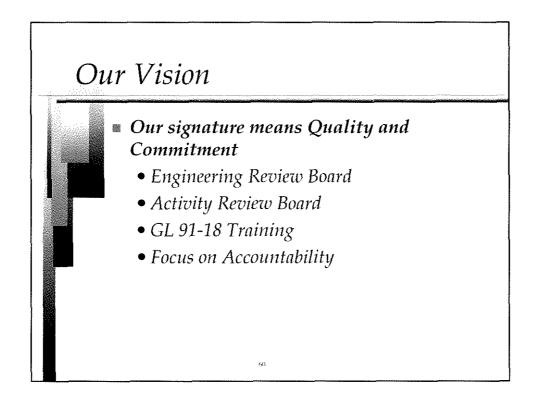


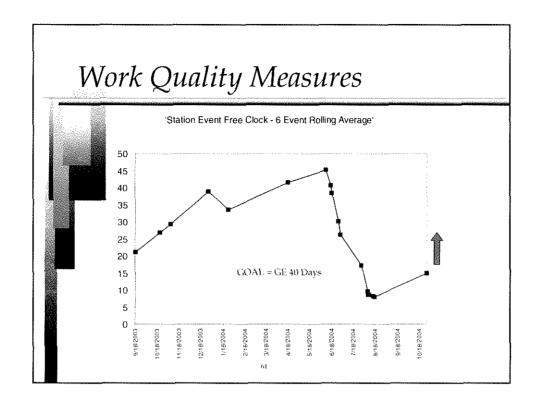


- We are confident our equipment is reliable
 - System and Design Engineers Shielded from Daily Perturbations
 - Engineering Efficiency
 - Intolerance for Rework
 - Craft Ownership
 - Single Point Vulnerabilities Initiative
 - Equipment Reliability CARB









QFE Lessons Learned



- Human Performance Initiative Timeliness
- Limited Training Initiatives
- Observations and Coaching
- Formality of our Accountability Processes
- Cause determinations need improvement

Moving Forward



- QFE is a Living Program
 - Check and Adjust as Necessary
 - It is an evolutionary process
- Enhanced Alignment and Focus
- Enhanced Rigor in Key Expectations and our Accountability Process

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Summary



- We are not satisfied with our performance
- We understand our gaps to excellence and are committed to closing them
- We have measures in place to monitor effectiveness
- We are developing a "learning" culture

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