

**NMIC**

*Committed to Nuclear Excellence*

# Monticello Nuclear Generating Plant NRC Briefing

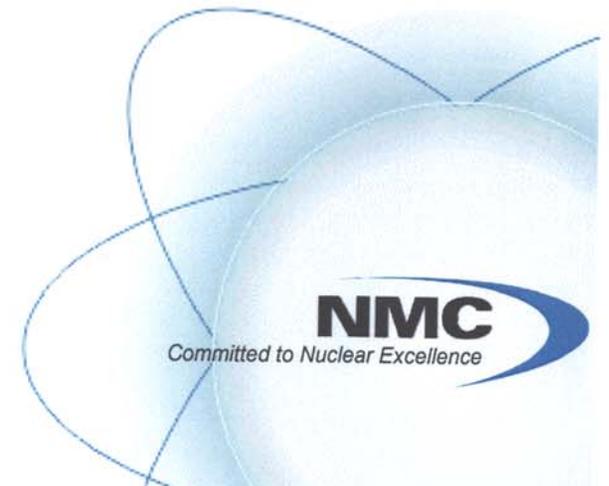
**August 2004**

**NMIC**

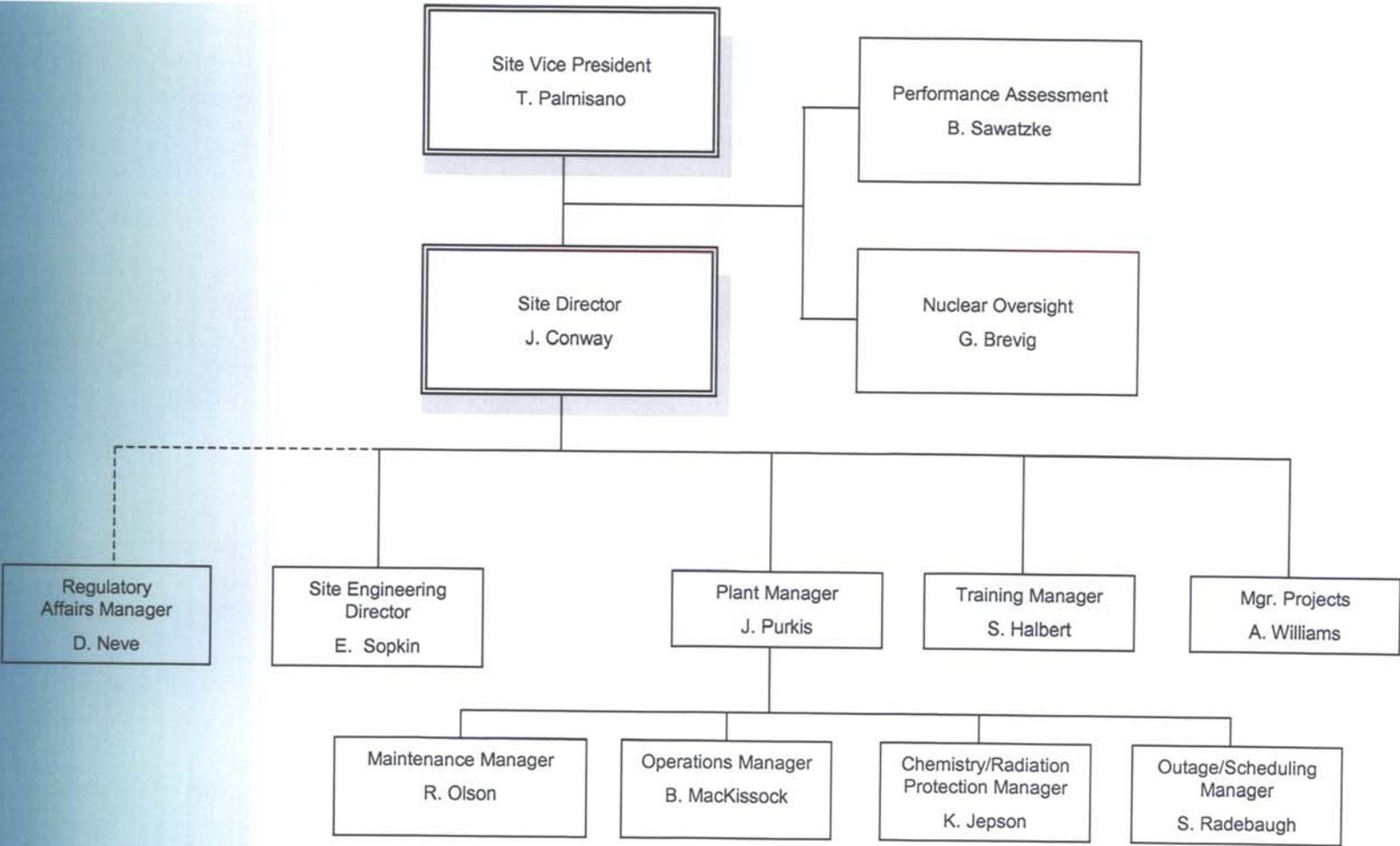
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# Monticello NRC Briefing

- NMC Priorities
- Monticello Organization
- Station Excellence Plan
- Station Performance Indicators
- Current Operations
- 2004 Station Initiatives
- 2005 Major Activities



# Monticello Organization Chart



# NMC Business Plan

Vision

Mission

Long-Term Goals

Long-Term Objectives

Safety

INPO Index  
NRC PI Index  
Personal Safety  
Collective Radiation Exposure  
Environmental Incidents

Reliability

Unscheduled EFPD <100%  
Outage Duration  
Capacity Factor

Cost

Fuel  
O&M  
Capital  
Non-Fuel Operations  
Full Time Equipment

WorkForce

Communications  
Succession Plan  
Staffing / Development Plan

Financial Plan

Station 1<sup>st</sup> Tier Performance Measures

Long-Term Strategies

- Risk Informed Initiatives
- Operational Focus
- Material Condition & Human Performance

- Plant Reliability Process
- Wk Proc./Maint Effective
- Life Cycle Mgmt. Study
- Modification Planning Process

- Cost Strategy
- Risk Management
- Plant Asset Management
- Workforce Management
- Cost Management

- Communication & Core Values
- Human Performance
- Station Leadership
- Process Improvement Strategy

## Monticello Excellence Plan

Monticello Site Excellence

Organizational Excellence

Operational Excellence

Training Excellence

Equipment Excellence

Plant Budget

Base

Other

Outage

Station 2<sup>nd</sup> Tier Performance Measures

## Department Plan

Department Excellence Plans

Department Budget

Base

Other

Outage

Departmental 3<sup>rd</sup> Tier Performance Measures

Employee Objectives

Accident Free  
Control Dose  
Event Free  
Meet Schedule  
Attend Training  
No Rework

# Core Values

First in Safety  
Operational Excellence  
Unity of Purpose  
No barriers to communication  
Development of all employees  
Adaptability  
Teamwork  
Integrity  
Ownership  
Neighborly



•Year 2004

# Road to Monticello Excellence

•**SAFE**== Doing What Is Right

•**PREDICTABLE**== Doing What We Say and When We Say It Will Be Done / Finding Our Own Problems Before Others

•**RELIABLE**== Focused On Long-Term Success / Preventing Instead of Reacting

•**LEADER**== Respected by Employees, Peers, Community, Shareholders, and Industry

- A** = Accident Free
- C** = Control Dose
- E** = Event Free
- M** = Meet Schedule
- A** = Attend Training
- N** = No Rework



Event Free RFO  
 Training Excellence Plan  
 Ops Training Accreditation Renewal  
 100% Success on ILT program  
 Life Cycle Mgmt  
 Achieve INPO 1 Rating  
 NRC SSDI & Triennial Fire Protection Inspection with no findings  
 EP Exercise with no findings  
 Submittal for License Renewal  
 Submittal of ITS  
 Extended Power Uprate  
 Plateau Implementation

2005

2006  
 Implementation of ITS  
 NRC/PUC approval for ISFSI  
 Crane Modification

2007  
 Event Free RFO  
 Technical Training Re-Accreditation  
 Ops Training Accreditation Renewal  
 Achieve INPO 1 Rating  
 NRC Approval for License Renewal  
 Begin Construction for ISFSI

2008

2030

•Year 2008

Safety First  
 0 OSHA Reportable Events

ALARA

Human Performance

Equipment Performance

2004

•2001

•2002

•2003

Historical Cyclic Performance

CAP Improvement Initiatives  
 Process Computer System Upgrades  
 MUR  
 Implement QATR  
 Security Orders Implemented  
 Implement EDMS  
 24 Month Fuel Cycle  
 Alternate Source Term  
 License Renewal from Xcel  
 Integrated Work Mgmt/Prioritization  
 Human Performance Improvement Plan  
 Operations Trng Improvements  
 Support of Fleet Initiatives/Standardization  
 Control Room Habitability Implementation  
 Achieve INPO Index of 100  
 Achieve 97% Capacity Factor



**NOTE: Watch for detours at all times.**

- Low Standards
- Victim Mentality
- Lack of Individual Accountability
- Human Errors
- Poor Team Performance
- Rework

## NMC

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# NRC Performance Indicator Summary

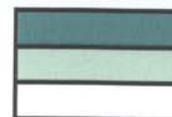
## NRC Performance Indicators - 3rd Quarter 2004

Cornerstone	Performance Indicator	NRC 2Q2004	NRC July	NMC Management Response Threshold	Increased Regulatory Response Threshold
Initiating Events	Unplanned Scrams	0	0	>1.5	>3
	Scram w /Loss of Normal Heat Removal	0	0	>1	>2
	Unplanned Power Changes	0	0	>3	>6
Mitigating Systems	SSU – EDG	1	1	>1.25%	>2.5%
	SSU – HPCI	1.7	1.6	>2%	>4%
	SSU – RCIC	1.4	1.3	>2%	>4%
	SSU – RHR	0.8	0.8	>0.75%	>1.5%
	SSFF	0	0	>3	>6
Barriers	Reactor Coolant System Activity(% of TS)	0	0	>25%	>50%
	Rx Coolant System Leak Rate(% of TS)	8.5	8.5	>25%	>50%
Emergency Preparedness	ERO Drill/Exercise Performance	93.7	93.3	<95%	<90%
	ERO Drill Participation	92.6	95.1	<90%	<80%
	Alert/Notification System	99	98.9	<97%	<94%
Occupational Radiation Safety	Occupational Exposure Control	0	0	>1	>2
Public Radiation Safety	RETS/ODCM Radiological Effluent	0	0	>0.5	>1
Physical Protection	Protected Area Security Equipment	0.011	0.010	>0.040	>0.080
	Personnel Screening Program	0	0	>1	>2
	Fitness for Duty/Personnel Reliability	0	0	>1	>2

Objectives fully met, very low risk significance

NMC Management Response Band

Increased Regulatory Response Band

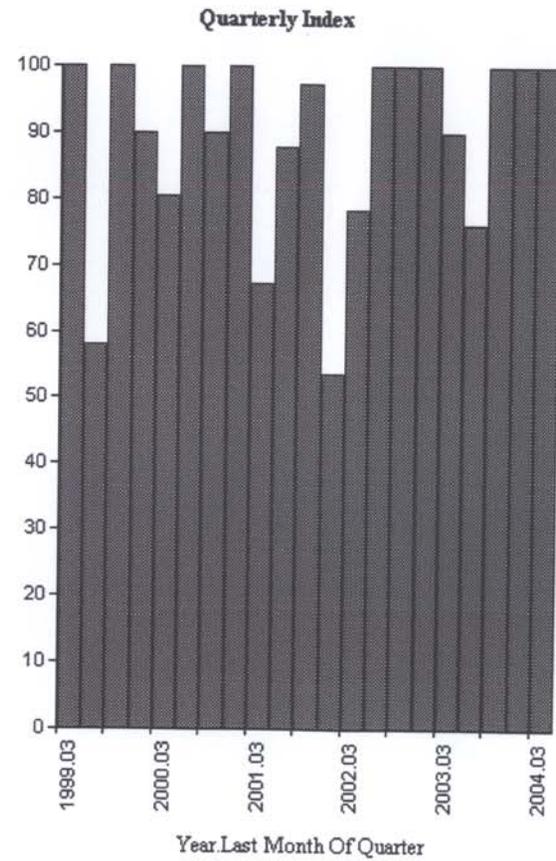
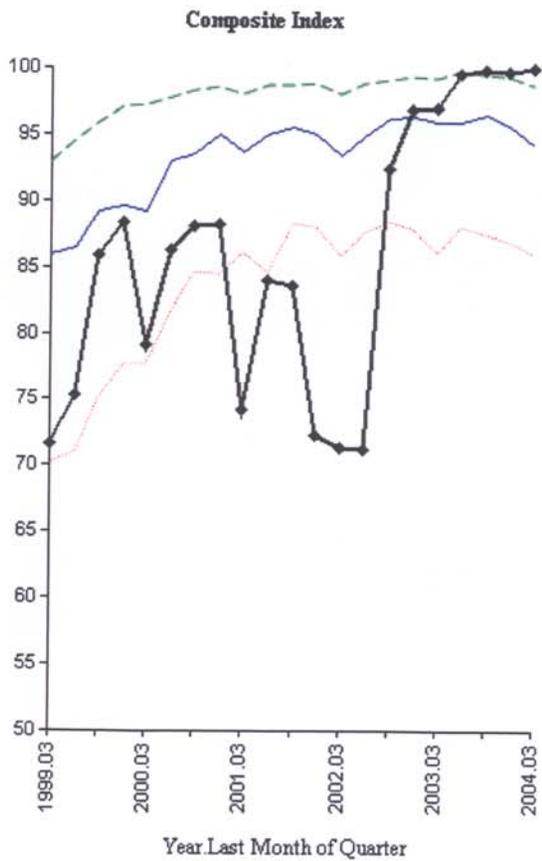


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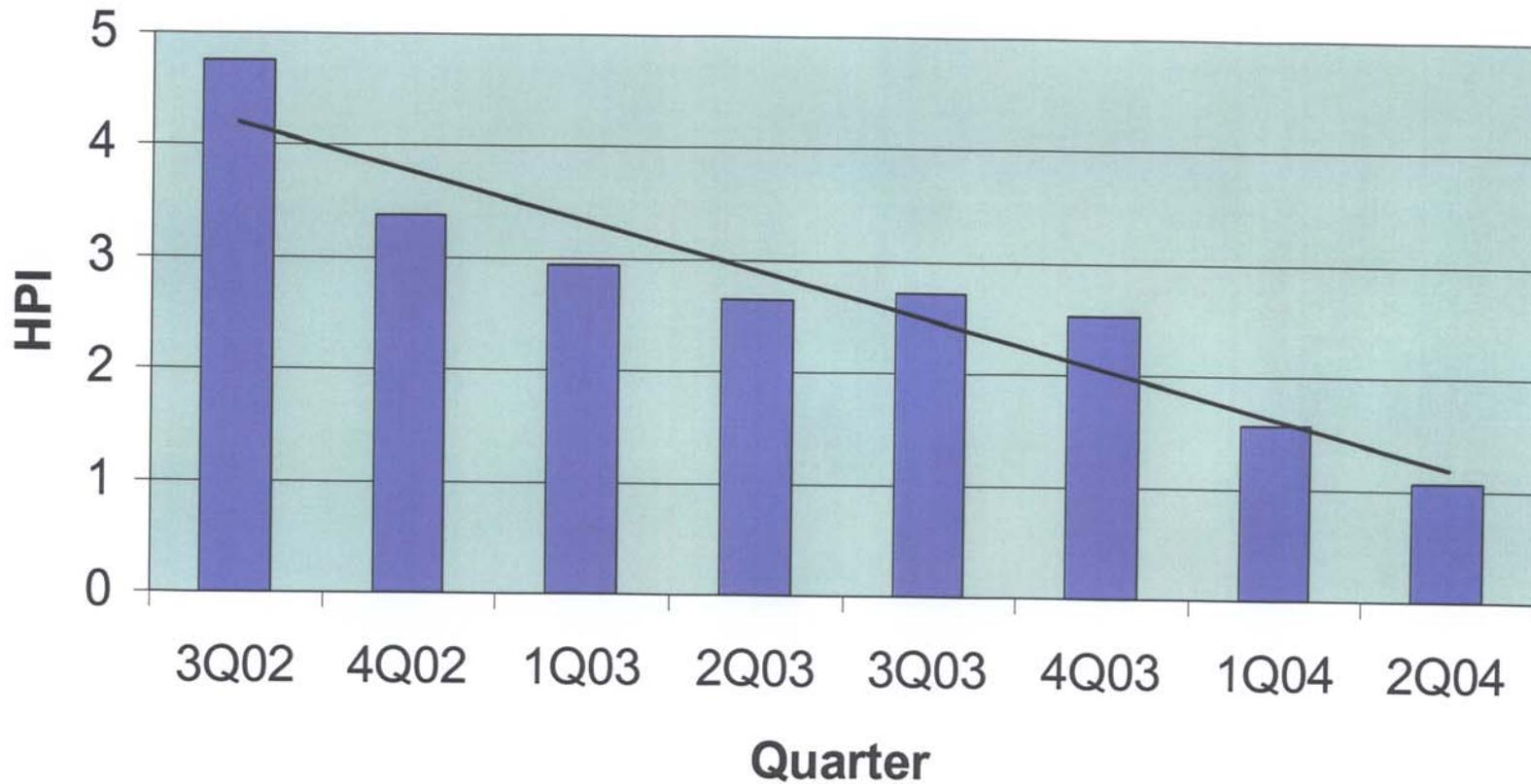
7/29/2004

Unit 1  
INPO Performance  
Indicator Index  
March 2004

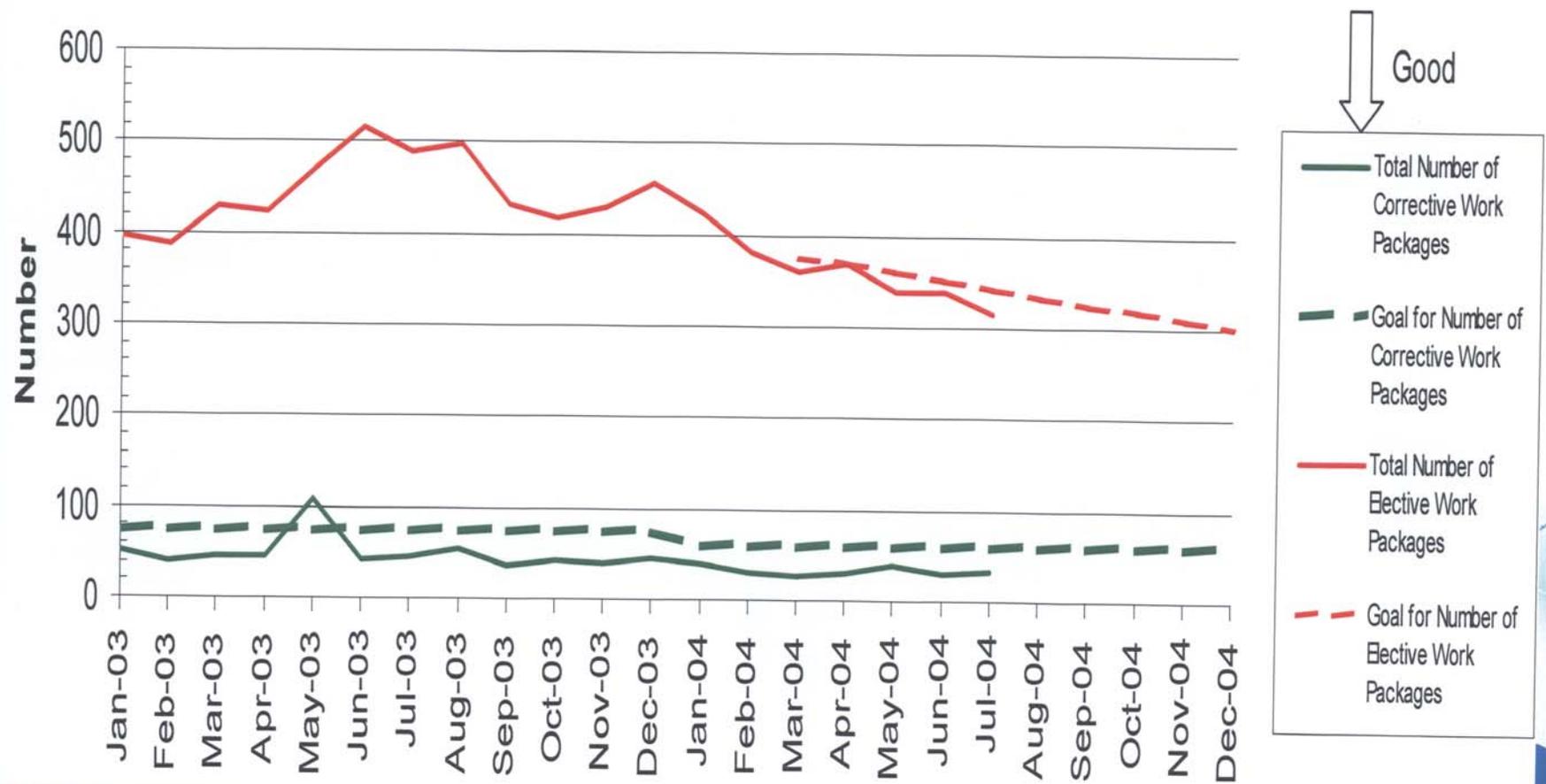
Bridge ⇨



## Human Performance Indicator by Quarter for Previous Eight Quarters with Linear Regression Trend



# Maintenance Backlog

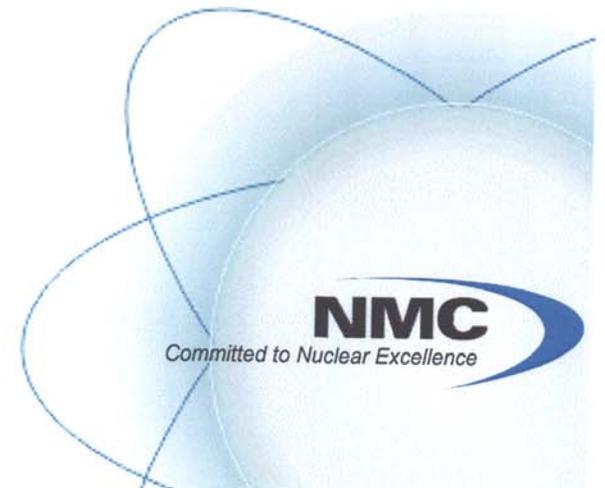


# Current Operations



## 2004 Station Initiatives

- Human Performance
- Corrective Action Program
- Security Order Implementation
- Engineering Program Improvements
- Operator Training
- Management Effectiveness



## 2005 Major Activities

- Spring 2005 Refuel Outage
- NRC Inspections
- Licensed Operator Examination
- INPO Activities
- Regulatory Initiatives
- Equipment Reliability

