



NMCC
Committed to Nuclear Excellence



Initial License Operator Examination Discussion for Monticello and Prairie Island to USNRC Region III ₁



NMCC
Committed to Nuclear Excellence

Purpose

Discuss causes and associated corrective actions for Initial Operator License Examination failures at Prairie Island Nuclear Generating Plant and Monticello Nuclear Generating Plant.



Agenda

- Presentation by Prairie Island
- Presentation by Monticello
- Presentation by NMC VP of Training



Prairie Island

- Background
- Root Cause Evaluation
- Corrective Actions

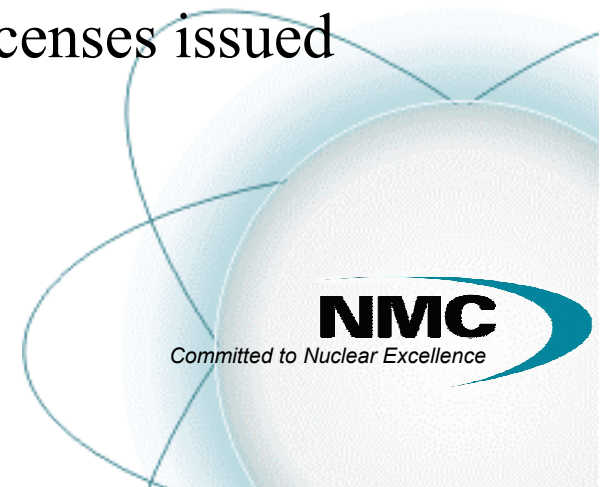


Prairie Island

Background

– Recent Class results

- 2000 – 4 examinees took exam - 2 licenses issued
- 2001 – 5 examinees took exam - 5 licenses issued
- 2002 – 8 examinees took exam – 8 licenses issued
- 2003 – 12 examinees took exam – 2 licenses issued



Prairie Island

Root Cause Evaluation

- Problem Statement
- Diverse Team
- Evaluation Scope



Prairie Island

Root Causes – Examination Development

- Implementation of process/oversight
- Exam review/validation
- Planning and resources
- Audit/licensing exam – different



Prairie Island

Corrective Actions

- Audit & license exam development process (Causes #2, 3, and 4)
- Prepare written exams (RO & SRO) using exam development process (Causes #1 and 2)
- Intrusive line management (Cause #1)

Prairie Island

Corrective Actions:

- Implement performance indicators (Cause #1)
- Administer written exam (Spring 2004)



Monticello

- Background
- Root Cause Evaluation
- Corrective Actions

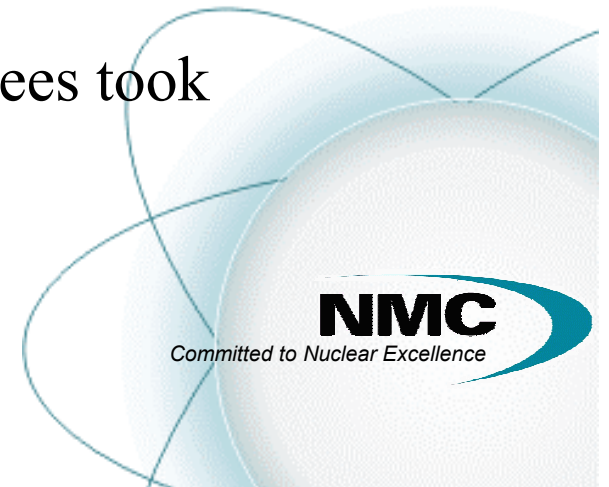


Monticello

Background

– Recent Class results

- 1999 – 4 started class – 2 examinees took exam - 2 licenses issued
- 2001/2002 – 9 started class – 3 examinees took exam - 2 licenses issued
- 2002/2003 – 11 started class – 3 examinees took exam - No licenses issued



Monticello

Root Cause Evaluation

- Problem Statement
- Diverse Team
- Evaluation Scope



Monticello

Root Causes – Candidate Preparation:

- Implementation of training process
- Course schedule
- Presentation of learning objectives in classroom
- Management oversight



Monticello

Corrective actions

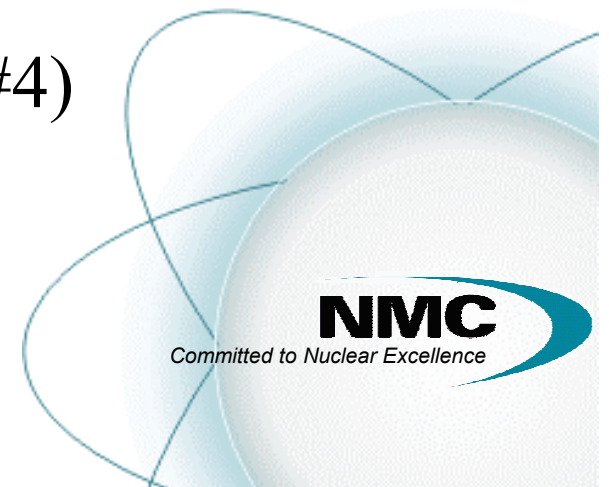
- Management requirements related to program expectations (Cause #1)
- Requirements for key training milestones and performance requirements (Cause #1)
- Revised the ILT Program schedule development process (Cause #2)



Monticello

Corrective actions

- Ensured that the ILT class information is consistently delivered at a license level of knowledge (Cause #3)
- Developed metrics to analyze candidate and training performance (Cause #4)
- Intrusive Line Management (Cause #4)



NMC Fleet Training

- Fleet initial licensed operator results
- Fleet lessons learned
- Fleet actions



NMC Fleet Training

Site	Exam Date	Started Class	Took Exam	Passed Exam	Pass Rate
Kewaunee	Dec. 2000	10	10	7	70%
Duane Arnold	Apr. 2001	8	5	5	100%
Palisades	Dec. 2001	8	6	6	100%
Point Beach	Feb. 2002	14	11	11	100%
Kewaunee	Sept. 2002	16	13	13	100%
Duane Arnold	Oct. 2002	8	8	8	100%
Palisades	July 2003	12	12	11	92%
Point Beach	Oct. 2003	8	6	6	100%

NMC Fleet Training

NMC Fleet Actions

- Standardize exam development/validation procedure
- Standardize initial license training program description
- Standardize oversight of operator training

