INPO – VC Summer Meeting
March 20, 2006
AGENDA

Introduction	Dan Gatlin
Candidate Readiness	Gary Moffatt
Root Cause Results	Dave Lavigne
Corrective Actions	Gary Moffatt
Going Forward	George Lippard
Conclusions	Jeff Archie

Introduction

- Long History of Success
- Candidate Readiness
- Root Cause/Corrective Actions
- Going Forward
- Conclusions

ILO Candidates Readiness

- Class Room Topics
- Simulator Scenarios
- OJT
- Weekly Exams
- Audit Exam
- Audit Exam Remediation
- NT & Ops Review of Readiness

Enclosure 2

Root Cause Analysis Report V. C. Summer Nuclear Station RCA 06-0171

High Failure Rate on Written Portion of the NRC Initial License Exam

Overview

- First combined RO/SRO class started on September 20, 2004.
- SRO candidates joined the class on January 24, 2005.
- Eight of nine candidates failed the written portion of the NRC initial license exam on January 10, 2006.

Root Cause Problem Statement

- Determine the causal factors and root causes of the high failure rate on the written portion of the NRC initial license exam

RCA Team

Management Sponsor - D. Lavigne (GMOE)

Team Lead - T. Matlosz (MGR OD&P)

Team Facilitator - K. Marsh (OD&P)

Team Members:

- B. Thompson (Sr Training Instructor)
- D. Edwards (CRS Operations)

RCA Team (Cont'd)

Team Members (cont'd):

- J. Arsenault - (NRC exam writer-Western Technical Services)
- K. Kruger - (Supervisor Initial License Training-H. B. Robinson)
- L. Mansfield - (Operations Training Supervisor-Vogtle)
- S. Swarthout - (TapRoot ® Facilitator-System Improvements)

Five Causal Factors

1. Management did not effectively monitor program health and candidate readiness
2. Shortfalls in resource management and process guidance of the initial RO/SRO class resulted in a less than optimum preparation for the NRC initial license exam

Five Causal Factors (Cont'd)

3. The Audit exam process was not an effective indicator of success on the NRC exam.
4. The review and validation of the NRC initial license operator written exam was less than adequate.
5. The written portion of the NRC Initial license operator exam did not appear to meet the requirements of NURLG 1021, rev. 9.

Remedial Actions:

- Immediate Training Standown
- Verified qualifications of all candidates prior to watchstanding duties

GENERIC IMPLICATIONS

- Licensed Operator Requalification
- Craft and Technical Training

Corrective Actions
NTM Issues

- Short Term Revision
  - Weekly Exam #s & HCL
  - Audit Exam
  - NRC Exam
  - TAC & SMTRB Oversight
  - Candidate Academic Review

Corrective Actions
NTM Issues

- Long Term
  - Benchmarking Other Utilities
  - NTM Re-write

Corrective Actions
Resource Issues

- Milestone Schedule Enhancement
- Test Bank Improvement Initiative
- Contracted Audit/NRC Exam
- Staffing Study:
  - RO/SRO Initial
  - SROC
  - LOR/AOR
  - AO Initial
  - ESPPOT Systems & Simulator

Going Forward

- Development of remediation plans for our 1/10/06 candidates.
- Operations ownership of Initial Training.
- Operations Training focus grounded in Operator Fundamentals.
- Examining these fundamentals, within the scope of NUREG1021, Rev. 9.

Conclusions

- Disappointed in Results
- Understanding Causes Has Been Aggressive
- Staff is confident on direction going forward – We Will Correct This!
- Learning Opportunity for Entire Leadership Team