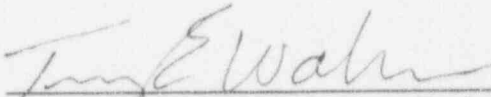
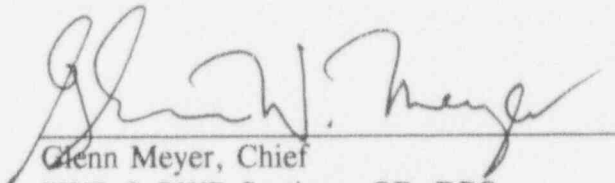


U.S. NUCLEAR REGULATORY COMMISSION  
REGION I

DOCKET/REPORT NO.: 50-220/94-44  
LICENSE NO.: DPR-63  
LICENSEE: Niagara Mohawk Power Corporation  
301 Plainfield Road  
Syracuse, New York 13212  
FACILITY: Nine Mile Point Nuclear Station, Unit 1  
MEETING AT: Region I Office, King of Prussia, Pennsylvania  
MEETING DATE: March 29, 1994

SUBMITTED BY:   
Tracy Walker, Sr. Operations Engineer  
BWR Section, OB, DRS  
4/18/94  
Date

APPROVED BY:   
Glenn Meyer, Chief  
PWR & BWR Sections, OB, DRS  
4/19/94  
Date

Summary: A meeting was held at NRC Region I's request on March 29, 1994, to discuss Niagara Mohawk's review of the results of the initial operator license examinations conducted during the week of November 15, 1993. Niagara Mohawk representatives discussed the methods used for review of the examination results, the results of the review, and the corrective actions planned to address the identified weaknesses.

## DETAILS

### 1.0 INTRODUCTION

On March 29, 1994, at the NRC Region I office, the below listed personnel participated in a meeting to discuss Niagara Mohawk's review of the results of the initial operator license examinations conducted during the week of November 15, 1993.

### 2.0 MEETING ATTENDEES

#### 2.1 Niagara Mohawk Power Corporation

M. McCormick, Vice President of Nuclear Safety and Support  
R. McCoy, Initial License Class Coordinator  
M. Meier, Requalification Program Coordinator  
B. Murtha, General Supervisor, Operations Training, Unit 1  
N. Rademacher, Nine Mile Point 1 Operations Manager  
R. Slade, General Supervisor, Operations Training, Unit 2  
R. Tessier, Manager of Training (Units 1 and 2)

#### 2.2 U.S. Nuclear Regulatory Commission

A. Blough, Branch Chief, Division of Reactor Safety  
R. Conte, Chief, BWR Section, DRS  
G. Meyer, Chief, PWR Section, DRS  
L. Nicholson, Chief, Projects Section No. 1B  
T. Walker, Senior Operations Engineer

### 3.0 LICENSEE PRESENTATION

The Vice President of Nuclear Safety and Support introduced the presentation. The Nine Mile Point Unit 1 operations manager and the training manager presented the operations and training perspectives on the examination results and findings from the facility review. They also discussed the methods used in the review of the examination results.

Representatives from operations training discussed the lessons learned from the review of the examination results. They noted generic weaknesses similar to the generic weaknesses identified by the NRC staff and some additional weaknesses identified by the facility review. They also described the ongoing improvement strategies designed to correct the identified weaknesses and stated that the lessons learned will also be applied to licensed operator requalification training and to Unit 2.

The operations manager summarized the presentation and indicated Niagara Mohawk's intent to continue efforts to improve licensed operator training. Niagara Mohawk's presentation is included as Attachment 1.

# AGENDA

- Introduction/Opening Remarks - M. McCormick
- Operations Perspective - N. Rademacher
- Training Perspective - R. Tessier
- Lessons Learned - B. Murtha
- Utility Identified Weaknesses - M. Meier
- Summary - N. Rademacher

## *Niagara Mohawk Power Corporation*

Marty McCormick - Vice President , Nuclear Safety,  
Assessment, and Support

Norm Rademacher - Manager Operations Unit One

Robert Tessier - Manager Training

Brian Murtha - General Supervisor Operations  
Training Unit One

Rick Slade - General Supervisor Operations  
Training Unit Two

Randy McCoy - License Class Coordinator 94-01

Mike Meier - License Class Coordinator 93-01

# INITIAL LICENSE CLASS 93-01

- OPERATIONS OWNERSHIP
- PROVIDE PERSPECTIVE ON THE LICENSE CLASS FOUR OF SIX
  - ONE SRO - OPERATING EXAM
  - ONE RO - WRITTEN EXAM
- SPECIFIC AREAS FOR IMPROVEMENT
  - SELECTING OPERATORS
  - ENHANCING TEAMWORK
  - IMPROVING PROCEDURES
- PERFORMED ROOT CAUSE EVALUATIONS
- DEVELOPED LESSONS LEARNED

# TRAINING POINT OF VIEW

NEW MANAGER OF TRAINING PERSPECTIVE

KEEPER OF THE PROGRAM

Content - Level of detail, currency, etc.  
Implementation of the program  
Monitoring student performance  
Recommendation for line management

ROOT CAUSE DETERMINATION

Comprehensive and self-critical  
In-house as well as independent  
Considers previous performance for common themes  
Both units reviewed for applicability

TRAINING MANAGEMENT COMMITMENT

Goal 100% pass rate  
Better personnel and plant performance

# LICENSE CLASS 93-01 EXAM

WEEK OF NOVEMBER 15, 1993

DER 1 - 93 - 2987  
Lessons Learned

ROOT CAUSE  
MANAGERIAL METHODS  
TRAINING/QUALIFICATION

WRITTEN EXAM

OPERATING TEST - WALK  
THROUGH/JPMs

OPERATING TEST - SIMULATOR

# WRITTEN EXAM

## WEAKNESSES

Administrative Tech Specs

Minimum crew composition

PAST DUE surveillances

Administrative Procedures

EPPs

Log review responsibilities

Instrumentation

Vessel Instrument validity

Drywell radiation monitor indications

## ON-GOING IMPROVEMENT STRATEGIES

Rewriting Lesson Plans

Emphasizing Tech Specs in Classroom/Simulator

Additional Admin Procedure training

Creating New Questions

Increasing Cognitive Level of questions

Giving exams during Shift Time



# OPERATING TEST - WALK THROUGH/JPMs

## WEAKNESSES

- Emergency Plan
  - Event classifications
  - Protective action recommendations

- Loss Of Service Water SOP
  - X-tying to Unit 2 fire water

## ON-GOING IMPROVEMENT STRATEGIES

- Rewriting Emergency Plan

- Classifying events during scenarios

- Developing and training on E-Plan JPMs

- Increasing SOP use during scenarios

- Reviewing and enhancing SOPs

# OPERATING TEST - SIMULATOR

## WEAKNESSES

Level Instrumentation

Determining validity and availability

Actions upon loss

Teamwork and communications

Working together to solve problems

Diagnostics

Verifying consistency of alarms to plant status

## ON-GOING IMPROVEMENT STRATEGIES

Upgrading Lesson Plans

Upgrading and expanding Scenario Bank

Emphasizing Operations Communications  
Expectations

Creating Success Paths in Scenarios

Administering Static Simulator Exams

# UTILITY IDENTIFIED CONCERNS

## WEAKNESSES

Single element feedwater level control

EC operation from remote S/D panels

Shutdown Cooling Heat Exchanger isolation

Recirc Pump seal isolation

## ON-GOING IMPROVEMENT STRATEGIES

Emphasizing reasons for control methods during startup training

Developing JPMs for Remote S/D panel operations

Improving Shutdown Cooling and Recirc OPs

# SIMULATOR DISCREPANCIES

- SDC Heat Exchanger Tube Leak

Problem fixed

- Level Instrumentation

Cause & Effect book corrected

- Control Room Ventilation Malfunction

Determined not cost effective

# SUMMARY

- **CONTINUE IMPROVING OPERATIONS/TRAINING INTERFACE**
- **ENHANCE PROCEDURES**
- **IMPROVE TRAINING MATERIALS**
- **CONTINUE MANAGEMENT INVOLVEMENT**