

U. S. NUCLEAR REGULATORY COMMISSION

REGION III

Docket No: 50-346
License No: NPF-3

Report No: 50-346/96012(DRS)

Licensee: Toledo Edison Company

Facility: Davis-Besse Nuclear Power Station

Location: 5503 N. State Rte. 2
Oak Harbor, OH 43449

Date: November 4, 1996

Inspector: D. McNeil, Reactor Engineer
D. Muller, Reactor Engineer

Approved by: M. N. Leach, Chief
Operator Licensing Branch

EXECUTIVE SUMMARY

Davis-Besse Nuclear Power Station NRC Inspection Report 50-346/96012(DRS)

This inspection assessed the licensed operator requalification program. The inspection consisted of reviews of training administrative procedures, medical records, requalification training attendance records, and requalification training materials. The inspection included observation of certified evaluators and licensed operators during administration of the requalification examination. Interviews were conducted with members of the operations and training staffs.

The licensed operator requalification program was being implemented in accordance with 10 CFR Part 55 requirements. The feedback process used to update the licensed operator requalification training program was not completely implemented and was identified as a significant weakness (Section 05.4).

Report Details

I. Operations

O5 Operator Training and Qualification

O5.1 Operating History

a. Inspection Scope (71001)

The inspectors reviewed the following to assess the licensed operator requalification training program's effectiveness regarding operator performance:

- NRC Inspection Report No. 50-346/95001 (SALP 11)
- Various resident inspector observations and reports regarding operator performance
- Licensee event reports (January 1995 through June 1996)

b. Observations and Findings

No significant errors during the inspection period were attributable to ineffective training. The training program provided operators with skills necessary to safely operate the Davis Besse Station.

O5.2 Regualification Examinations

a. Inspection Scope (71001)

The inspectors reviewed the following to assess the licensee's examination material quality and content:

- Training department sample plan used to develop reactor operator (RO) and senior reactor operator (SRO) examinations
- Comprehensive written exams
- Annual operating tests (in-plant and control room job performance measures (JPMs) and dynamic simulator scenarios)

b. Observations and Findings

The examinations used by the facility were challenging and provided a good tool for evaluating operator mastery of training objectives. All portions of the examination were developed at the right difficulty level. Although the written examination

questions were written at the correct difficulty level, there was an insufficient number of questions to make the written examination discriminating.

O5.3 Regualification Examination Administration Practices

a. Inspection Scope (71001)

The inspectors performed the following to assess the licensee's policies and practices regarding regualification examination administration, simulator fidelity, and examination security:

- Observed regualification examination administration (written examination and operating test)
- Interviewed licensee personnel (operators, instructors, training supervisor, and evaluators)
- Observed simulator performance
- Reviewed the licensee's administrative procedures

b. Observations and Findings

Evaluators assigned to conduct the examination were professional in their actions and demeanor at all times. Evaluators conducting JPMs provided initiating cues and prompts correctly. Some suggestions for improving JPM administration were made by the Chief Examiner to the Operations Training Supervisor. Documentation of crew dynamic simulator scenario participation and weaknesses was good. Although documentation of individual operator weaknesses met minimum standards, it could be improved to provide better feedback to the individual operators. Examination security was demonstrated in all phases of examination administration.

O5.4 Regualification Training Program Feedback System

a. Inspection Scope (71001)

The inspectors performed the following to assess the licensee's training program feedback system effectiveness:

- Reviewed operator and trainer comments on the feedback system
- Reviewed recorded changes to the regualification program
- Interviewed licensee personnel (operators, instructors, training supervisor)

b. Observations and Findings

The feedback system was considered a weakness in the licensee's training program. Although instructors adequately documented individual and crew weaknesses during the requalification period, a mechanism for evaluating the weaknesses and providing that evaluation to the plant's training review committee was not functioning. This prevented the training committee from accurately modifying the training program to address the weaknesses that were discovered during operator evaluations. Other portions of the feedback system, such as immediate feedback to operator questions during classroom and simulator training sessions, were functioning properly.

O5.5 Remedial Training Program

a. Inspection Scope (71001)

The inspectors performed the following to assess the licensee's remedial training program effectiveness:

- Reviewed remediation training plans for one individual

b. Observations and Findings

Due to the limited amount of available material, no significant conclusions were made in this area.

O5.6 Conformance With Operator License Conditions

a. Inspection Scope (71001)

The inspectors reviewed the following documents to assess the facility and operator licensees' compliance with 10 CFR 55.53 license condition requirements:

- Records pertaining to maintaining active operator licenses
- Individual operator medical records (representative sample)

b. Observations and Findings

The inspectors reviewed operator logs and the plant watchstander proficiency list and determined that operators were in compliance with 10 CFR 55.53 in maintaining active licenses.

Medical certifications for a sample of operators were reviewed. It was determined that operators were in compliance with 10 CFR 55 requirements for physical examinations.

O5.7 Conclusions on Operator Training and Qualification

It was determined the licensed operator requalification program was being implemented in accordance with 10 CFR Part 55 requirements. Adequate training was provided for the licensed operators to operate the Davis Besse Nuclear Power Station. Assessment and feedback on operator weaknesses to the Training Review Council was determined to be a weakness.

V. Management Meetings

X1 Exit Meeting Summary

The inspectors met with licensee representatives after the inspection on November 8, 1996, to discuss the scope and findings of the inspection. During the exit meeting, the inspectors discussed the documents and processes reviewed by the inspectors during the conduct of this inspection and the likely content of the final inspection report. Licensee representatives did not identify any documents or processes as proprietary.

PARTIAL LIST OF PERSONS CONTACTED

Licensee

D. Imlay, Superintendent - Operations
W. Molpus, Manager, Nuclear Training
D. Schreiner, Supervisor, ISEG
R. Simpkins, Supervisor, Operations Training

NRC

S. Stasek, Senior Resident Inspector
K. Zellers, Resident Inspector

INSPECTION PROCEDURES USED

IP 71001 Licensed Operator Requalification Program Evaluation

ITEMS OPENED, CLOSED, AND DISCUSSED

Discussed

50-346/96005-01(DRP)	URI	Inadequate documentation and guidance for Shift Managers standing watch as the Shift Supervisor or Assistant Shift Supervisor
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