

U.S. NUCLEAR REGULATORY COMMISSION

REGION III

Reports No. 50-295/OL-89-03

Docket Nos. 50-295; 50-304

Licenses No. DPR-30; DPR-48

Licensee: Commonwealth Edison Company
Post Office Box 767
Chicago, IL 60690

Facility Name: Zion Nuclear Generating Station

Examination Administered At: Zion Nuclear Generating Station/
Westinghouse Training Simulator
Zion, IL

Examination Conducted: November 14 and 15, 1989

RIII Examiners: *D. Damon* 11/28/89
Date

T. Reidinger 11/28/89
Date

J. Hopkins 11/28/89
Date

Chief Examiner: *D. Shepard* 11/28/89
Date

Approved By: *Thomas M. Burdick* 11/28/89
Date
Thomas M. Burdick, Chief
Operator Licensing Section 2

Examination Summary

Examination administered on November 14 and 15, 1989 (Report No. 50-295/OL-89-03):
consisted of various combinations of written and operating requalification
examinations to three reactor operators and two senior reactor operators.
Results: All operators passed the examination. The crew evaluated passed the
simulator examination.

REPORT DETAILS

1. Examiners

*D. Shepard, NRC
D. Damon, NRC
T. Reidinger, NRC
J. Hopkins, NRC

*Chief Examiner

2. Examination Development

The facility's proposed examination met the standards of NUREG-1021, ES-601. All materials were used essentially as submitted.

a. Written Examination

The written examination required some minor revisions. Approximately six questions were rejected by the NRC, but they were replaced by other facility supplied questions. Some questions required minor editorial enhancements.

b. Dynamic Simulator Scenario

The NRC, along with facility concurrence, added additional malfunctions to be able to objectively test for immediate action completion. No major changes were made in the scenarios.

c. Job Performance Measures (JPM)

The Job Performance Measures (JPM) were satisfactory for use. Some reassignment of critical steps were required. The facility should make JPM's either unit specific or common unit due to availability of control boards. The JPM questions were the weakest element of the development material. Many questions required revision prior to use or were rejected for use. Some questions were look-ups prior to rejection or revision. The final JPM questions met the requirements of NUREG-1021, ES-601.

3. Examination Administration

The overall evaluation of the operators and the crew was within the guidelines of the standard. The facility graded written examination scores were within 3% of the NRC scores. The JPM evaluations were within the standard's criteria between the facility and the NRC. The operating test (simulator) evaluation results were the same for the facility and the NRC.

4. Evaluation of Facility Evaluators (JPM)

The facility evaluators performed, in general, per the criteria of NUREG-1021, ES-601. One concern of the NRC is that the facility must be more attuned to not giving inadvertent cues. These cues include talking to an NRC evaluator prior to giving unexpected cues, not repeating back all answers to questions but only incorrect answers, and the extra time needed to give unexpected cues (cues when operator takes an unexpected route).

5. Examination Results

The operating crew passed the simulator examination. The NRC passed all four individuals on the simulator examination. All three reactor operators passed the JPM operating test. Both reactor operators passed the written examination.

The NRC informed the facility at the exit meeting that the two Senior Reactor Operators, and one Reactor Operator who required only the operating test, could be again placed on shift per CAL RIII 80021. On November 17, 1989, the NRC informed the facility that the two Reactor Operators passed the written examination. Since the two Reactor Operators also passed the operating test, the NRC told the facility on November 17 that the two Reactor Operators could go back on shift in accordance with CAL RIII 80021.

6. Program Evaluation

The Zion Requalification Program was not evaluated since less than 12 individuals were tested.

7. Exit Meeting

An exit meeting was conducted on November 15, 1989, between the facility and the NRC to summarize the above report. The following individuals were present at the exit meeting:

Nuclear Regulatory Commission

D. Shepard, Chief Examiner
T. Tongue, SRI (Braidwood)

Commonwealth Edison Company

R. J. Budoube, Service Director
H. Logaras, Operator Training
D. G. Selph, PTC Senior Instructor
A. J. Ockert, Training Supervisor
P. LeBlond, Assistant Superintendent,
Operations
R. Thornton, Zion Training

Requalification Program Evaluation Report

Facility: Zion Nuclear Generating Station - Unit 1

Examiners: D. Shepard, Chief Examiner
D. Damon
T. Reidinger
J. Hopkins

Dates of Evaluation: November 14 and 15, 1989

Areas Evaluated: X Written X Oral(JPM) X Simulator

Examination Results:

	<u>RO</u> <u>Pass/Fail</u>	<u>SR0</u> <u>Pass/Fail</u>	<u>Total</u> <u>Pass/Fail</u>	<u>Evaluation</u> <u>(S, M, or U)</u>
Written Examination	<u>2/0</u>	<u>0/0</u>	<u>2/0</u>	<u>N/A</u>
Operating Examination				
Oral(JPM)	<u>3/0</u>	<u>0/0</u>	<u>3/0</u>	<u>N/A</u>
Simulator	<u>2/0</u>	<u>2/0</u>	<u>4/0</u>	<u>N/A</u>
Evaluation of facility written examination grading:				<u>S</u>

Crew Examination Results:

Crew 1
Pass/Fail

Operating Examination

Pass

Overall Program Evaluation

The program was not evaluated since less than 12 individuals were evaluated. All the co-evaluations with the facility were satisfactory within the guidelines of NUREG-1021, ES-601.

Submitted:

D. Shepard
D. Shepard
Chief Examiner

Forwarded:

T. Burdick
T. Burdick
Section Chief

Approved:

G. Wright
G. Wright
Branch Chief