

U. S. NUCLEAR REGULATORY COMMISSION

REGION III

Report No. 50-155/OL-90-02

Docket No. 50-155

Licensee: Consumers Power Company  
1945 West Parnall Road  
Jackson, MI 49201

Facility Name: Big Rock Point

Examination Administered: Big Rock Point  
Charlevoix, Michigan

Chief Examiner: Eddie Rau

Ed Rau

12/5/90  
Date

Approved By: M. J. Jordan

M. J. Jordan, Chief  
Operator Licensing Section 1

12/5/90  
Date

Examination administered during week of November 5, 1990  
Report No. 50-155/OL-90-02))

Written and operating requalification examinations were administered to two Senior Reactor Operators (SROs) and four Reactor Operators (ROs). Two Operating Crews were evaluated during the simulator portion of the operating examination.

Results: All individuals and crews passed the examination. The facility results matched those of the NRC.

Independent grading by facility and individual/crew performance results satisfied the criteria of NUREG 1021, Rev 5. The program evaluation will be deferred until a minimum of twelve operators have been examined.

## REPORT DETAILS

### 1. Examiners

E. Rau, Chief Examiner, NRC Region III  
C. Tyner, INEL

### 2. Persons Contacted

L. Monshor, QA Superintendent  
L. Darrah, Shift Supervisor  
Q. Donnelly, Nuclear Safety Administrator  
\*D. LaCroix, Training Administrator  
W. Bieckman, Plant Manager  
W. Trubilowicz, OPS Superintendent  
B. Alexander, Technical Engineer

All individuals listed above were present at the management exit meeting conducted on November 9, 1990. In addition, those individuals marked by an asterisk were present for a training department pre-exit briefing.

### 3. Operator Performance

a. The following strengths and weaknesses were identified for the crews and individuals that passed the NRC Requalification Examination.

#### (1) Strengths

None noted

#### (2) Weaknesses

(a) During administration of the Liquid Poison Alternate Injection JPM operators were unable to locate all equipment necessary to perform the task.

(b) During scenarios SRO's failed to use EOP placekeeping techniques to determine status of EOP steps. This could result in steps not being performed or being performed out of sequence.

### 4. Training Department

a. Generally, the quality of the facility examination material was adequate. The following deficiencies were noted during the examination process.

(1) JPM questions were open-ended leading to inconsistent question scoring.

b. The training department was very receptive to correcting all material related deficiencies identified by the NRC as a result of the examination process.

5. Simulator Fidelity

a. Simulator Fidelity will be discussed in Attachment 1 to this report.

6. Exit Meeting

A pre-exit briefing, with the utility training staff, and a formal management exit meeting was conducted on November 9, 1990. The individuals who attended the meetings are listed in Section 2 of this report.

During the exit all items contained in this report, were discussed in detail. The facility was also informed that examination results were preliminary, pending regional management review.

REQUALIFICATION PROGRAM EVALUATION

Facility: Clinton Power Station

Chief Examiner: E. D. Rau

Dates of Evaluation: November 5, 1990

Areas Evaluated: Written, Oral, and Simulator

Examination Results:

	<u>RO</u> <u>Pass/Fail</u>	<u>SRO</u> <u>Pass/Fail</u>	<u>Total</u> <u>Pass/Fail</u>	<u>Evaluation</u> <u>(S, M, or U)</u>
Written Examination	4/0	2/0	6/0	N/E
Operating Examination				
Oral	4/0	2/0	6/0	N/E
Simulator	4/0	2/0	6/0	N/E

Evaluation of Facility Written Examination Grading: N/E

<u>Crew Examination Results:</u>	<u>Crew 1</u> <u>Pass/Fail</u>	<u>Crew 2</u> <u>Pass/Fail</u>	<u>Evaluation</u> <u>(S, M, or U)</u>
	Pass	Pass	N/E

Overall Program Evaluation

Deferred due to small sample size

Submitted:

*ER*  
Rau  
Examiner  
12/5/90

Forwarded:

Jordan *JJD*  
Section Chief  
12/5/90

Approved:

*TBS*  
Burdick  
Branch Chief  
12/3/90

SIMULATION FACILITY FIDELITY REPORT

Facility Licensee: Big Rock Point

Facility Licensee Docket No. 50-155

Operating Tests Administered On: Week November 5, 1990

Big Rock Point's Simulator is currently in the start-up phase and is not operational. A modified examination approach was used in which instructors provided feedback to the operators. This exam technique was more effective in evaluating operator performance than could be realized from using the Dresden Simulator. However, the scope of EOP usage was limited by the lack of fidelity.