

JUN 14 1993

Docket No. 50-346

Centerior Energy
ATTN:- Mr. Donald Shelton
Vice President-Nuclear
Davis-Besse
c/o Toledo Edison Company
300 Madison Avenue
Toledo, OH 43652

Dear Mr. Shelton:

SUBJECT: INITIAL LICENSE EXAMINATION REPORT *and Requal Retake*

During the week of May 24, 1993, Mr. John Walker, Chief Examiner and others administered initial licensed operator examinations to employees of your organization who operate your Davis-Besse Nuclear Power Station. At the conclusion of the examination, findings that were identified as a result of the examinations were discussed with those members of your staff identified in the enclosed report.

Five previously licensed Reactor Operators were given Senior Reactor Operator examinations. All individuals passed all sections of their respective examination. In addition three Senior Reactor Operators were administered Requalification Retake examinations under revision 7 of NUREG-1021, Operator Licensing Examiner Standards, Job Performance Measure (JPM) portions only. Two of the individuals passed the retake examination. One individual failed the requalification examination. For the individual with unsatisfactory results, the facility should take corrective action as required by its approved requalification program. Since this is the individual's second NRC examination failure, the facility program should be reviewed to ensure effective identification and correction of operator performance weaknesses.

Two areas of concern were identified during this examination. The first involved three individuals signing the examination security agreement and then conducting training or evaluations of at least one of the requalification retake operators after that point. A written response is requested within 30 days of the date of this report regarding this event to identify all corrective actions taken or proposed to prevent a reoccurrence. The second concern involved identifying an inadequate procedure. Both of these events are further described in the body of this report.

In accordance with 10 CFR 2.790 of the Commission's regulations, a copy of this letter and the enclosures will be placed in the NRC Public Document Room.

JUN 14 1993

Should you have any questions concerning this examination, please contact us.

Sincerely,

ORIGINAL SIGNED BY T. O. MARTIN

T. O. Martin, Acting Director
Division of Reactor Safety

Enclosures:

- 1. Examination Report
No. 50-346/OL-93-01
- 2. Examinations and
Answer Key (SRO)
- 3. Simulation Facility Report

cc w/enclosures:

- L. Storz, Plant Manager
OC/LFDCB
Resident Inspector, RIII
State Liaison Officer, State
of Ohio
- Robert E. Owen, Ohio
Department of Health
- A. Grandjean, State of Ohio,
Public Utilities Commission
- R. Simpkins, Plant Training Manager
- J. B. Hopkins, Project Manager
- Eugene Benjamin, PNL
- J. Nickolaus, PNL
- R. M. Gallo, LOLB

bcc w/enclosures: PUBLIC-IE42

RIII	RIII	RIII	RIII	RIII
[See following page	-----	-----	-----	-----]
Walker/cg	Burdick	Lanksbury	Lange	T. Martin
06/ /93	06/ /93	06/ /93	06/ /93	06/14/93

JUN 14 1993

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RIII

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Walker/cg
06/10/93

RIII

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Burdick
06/11/93

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OK for RDL
Lanksbury
06/11/93

RIII

DL
Lange
06/11/93

RIII

TM
T. Martin
06/14/93

U. S. NUCLEAR REGULATORY COMMISSION

REGION III

Report No. 50-346/OL-93-01

Docket No. 50-346

License No. NPF-3

Licensee: Toledo Edison Company
300 Madison Avenue
Toledo, OH 43652

Facility Name: Davis-Besse Nuclear Power Station

Examination Administered At: Davis-Besse Training Center
5503 N. State Route 2
Oak Harbor, OH 43449

Examination Conducted: May 24 - 27, 1993

Examiners: Eugene Benjamin, PNL
Jim Nickolaus, PNL

Chief Examiner:


John R. Walker

6/10/93
Date

Approved By:


Thomas M. Burdick, Chief
Operator Licensing Section 2

6/11/93
Date

Examination Summary

Examination Administered the week of May 24 - 27, 1993 (Report No. 50-346/OL-93/01(DRS))

Five previously licensed Reactor Operators were given Senior Reactor Operator examinations. In addition three Senior Reactor Operators were given requalification retake examinations, Job Performance Measures (JPM) portion only,

Results: All individuals taking the initial examination passed all sections of their respective examination. Two Senior Reactor Operators passed their requalification examination, one Senior Reactor Operator failed the requalification examination.

The following is a summary of the strengths and weaknesses noted during the performance of this examination.

Strengths:

- Communications were formal and positive with ample feedback and crew input to ensure the crews were kept apprised of all events/situations. (For details see Section 3)
- All crews kept personnel outside of the control room apprised of all events. (For details see Section 3)
- All crews made good use of procedures including, alarm response, abnormal operating, general operating, etc. (For details see Section 3)

Weaknesses: No major weaknesses were noted.

REPORT DETAILS

1. Examiners

*+John R. Walker, Chief Examiner, NRC, Region III
Eugene Benjamin, PNL
Jim Nickolaus, PNL

2. Persons Contacted

Facility

+Lou Storz, Plant Manager
+John K. Wood, Plant Operations Manager
*+Mel Stewart, Manager Nuclear Training
*+Ted Berger, Supervisor, Simulator
*+John Bialorucki, Qualification Instructor
+George A. Bradley, Licensing Representative
*+Dave Eshelman, Operations Supervisor
+George Honma, Compliance Supervisor-Licensing
*+Dennis Jones, Lead-Operations Training
+Ted Myers, Technical Services Director
*+Randy Patrick, Lead-Operations Requalification
*+Rick Simpkins, Supervisor, Nuclear Operations Training
*+Nathan L. Wahl, Simulator Instructor

U. S. Nuclear Regulatory Commission (NRC)

+Keith Walton, Resident Inspector

*Denotes those present at the Training Staff exit meeting on
May 27, 1992.

+Denotes those present at the Management exit meeting on
May 27, 1993.

3. Initial License Training Program Observations

Overall, the initial training program appeared to be effective
in preparing individuals for the examination process.

The following information is provided for evaluation by the licensee via
their SAT based training program. No response is required.

a. Written Examination

No strengths or weaknesses were observed in this category during
this examination.

b. Job Performance Measures (JPMs)

No strengths or weaknesses were observed in this category during this examination.

c. Administrative

Strengths/Weaknesses:

No strengths or weaknesses were observed in this category during this examination.

d. Dynamic Simulator Scenarios

Strengths:

- Communications were formal and positive with ample feedback and crew input to ensure the crews were kept appraised of all events/situations.
- All crews kept personnel outside of the control room appraised of all events.
- All crews made good use of procedures including, Alarm response, Abnormal Operating, General Operating, etc.)

Weaknesses:

- No major weaknesses were observed.

4. Training, Operations, Security, Rad Protection

Strengths:

- During the simulator portion of the examination, the facility provided all examiners with radios to communicate with each other and the booth. This greatly aided the administration of this portion and the JPM portion of the examination.
- During the administration of the simulator portion of the examination, the booth operators gave the examiners a ten second warning prior to initiating any event. This enabled the examiners to maintain control of the scenarios as necessary.
- Pre-examination review of the written examination aided in ensuring the examinations conducted were plant specific and challenging. In addition the cooperation given during the preparation week was excellent.

Weaknesses:

- During the preparation for and administration of this examination there were three instances of violation of the security agreement. Three instructors/lecturers who had signed the security agreement either taught classes or evaluated one or more of the requalification candidates.

One individual taught a class on 120 vdc switch gear. After completing the class he realized that one individual in this class was a requalification candidate. During the staff meeting that afternoon the instructor informed his immediate management and the training staff present of the event.

The next morning a second instructor evaluated a requalification crew which contained a requalification candidate. This instructor was present at the staff meeting on the previous day and failed to realize the need to either have a different person perform the evaluation or have the candidate leave the simulator.

That afternoon a third individual, a representative from operations, taught a class on upcoming procedures changes. This individual was not present during the previous staff meeting.

The first two individuals had no specialized knowledge of the examination at the time the instruction took place. The Chief Examiner reviewed the material taught and determined that no examination comprise existed. The third individual did have specialized knowledge of the examination. Again, the Chief Examiner reviewed the material taught and determined that no examination comprise existed.

There was no appropriate corrective action implemented following the first compromise to prevent the next two from occurring. Upon discovering the three compromise events the Training Supervisor brought this to the attention of the Chief Examiner. Each individual was interviewed and written statements were taken from them. The first two individuals had been asked to sign the security agreement earlier than was actually needed to ensure examination security.

Immediate corrective action implemented was to start an immediate review of the program and ensure that the instructors involved did not evaluate the requalification candidates that were present during the instruction.

Further corrective action is under evaluation. Included is a change to the security agreement to ensure that all personnel signing on understand what they are signing and the security agreement will include a list of the candidates for the examination.

This issue is not being viewed as an examination compromise, but as inadequate quality control over the examination process. A 30 day written response to this event is requested to identify all corrective actions taken or proposed to prevent a reoccurrence of this type of event.

- During validation of JPM 91B, "Loss of Decay Heat Pump," it was noted that procedure DB-OP-02527, "Loss of Decay Heat Removal," was inadequate to ensure recovery from a loss of one decay heat removal pump. The attachments used for venting and starting the other decay heat pump failed to open the discharge valve into the reactor coolant system. These valves DH-1B and DH-1A are now normally closed if the specific train with which it is associated is not running. The valve status, to normally closed, was changed just prior to the last refueling outage. The abnormal procedure was not revised to reflect this change in operation philosophy. This item was turned over to the Resident Inspector for further action.

5. Simulator Observations

No Simulator discrepancies were identified.

6. Exit Meeting

A preliminary exit meeting with the facility training department was held at Davis-Besse on May, 27, 1993, and a final exit meeting with Davis-Besse plant management was held at Davis-Besse on May, 27, 1993. Those attending the meetings are listed in Section 2 of this report. The following items were discussed during the exit meeting:

- Strengths and weaknesses noted in this report.
- The general observations relating to the plant noted in Section 4.
- Violation of the examination security agreement and the request for a written response to the event.
- Procedure DP-OP-02527, Loss of Decay Heat Removal, being inadequate.

ENCLOSURE 3

SIMULATION FACILITY REPORT

Facility: Davis-Besse Nuclear Power Station

Docket No. 50-346

Operating Tests Administered On: May, 24 - 27, 1993

The following documents observations made by the NRC examination team during the May, 1993, requalification and initial examinations. These observations do not constitute audit or inspection findings and are not, without further verification and review, indicative of non-compliance with 10 CFR 55.45(b). These observations do not affect NRC certification or approval of the simulation facility other than to provide information which may be used in future evaluations. No licensee action is required in response to these observations.

During the conduct of the simulator portion of the operating tests, the following items were observed:

ITEM

DESCRIPTION

None