

OC/220CB

JAN 1 1991

Docket No. 50-346

Toledo Edison Company
ATTN: Mr. Donald Shelton
Vice President
Nuclear
Edison Plaza
300 Madison Avenue
Toledo, OH 43652

Dear Mr. Shelton:

SUBJECT: OPERATOR AND SENIOR OPERATOR LICENSING EXAMINATIONS

In a telephone conversation between Mr. R. Simpkins and Mr. T. Reidinger arrangements were made for the administration of licensing examinations at the Davis Besse Nuclear Power Station.

The written and operating examinations are scheduled for the week of May 13, 1991 .

In order for us to meet this schedule, it will be necessary for the facility to furnish the approved reference material listed in Enclosure 1, "Reference Material Requirements for Reactor/Senior Reactor Operator Licensing Examinations" at least 60 days prior to the examination date. Any substandard or incomplete material or delay in receiving approved properly bound and indexed reference material may result in a delay in administering the examinations. Mr. R. Simpkins has been advised of our reference material requirements, the number of reference material sets that are required, and the examiners' names and addresses where each set is to be mailed.

The facility management is responsible for providing adequate space and accommodations in order to properly conduct the written examinations. Enclosure 2, "Requirements for Administration of Written Examinations," describes our requirements for conducting these examinations. Mr. R. Simpkins has also been informed of these requirements.

Enclosure 3 contains the Rules and Guidelines that will be in effect during the administration of the written examination. The facility management is responsible for ensuring that all applicants are aware of these rules.

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The facility staff review of the written examination will be conducted in accordance with requirements specified in Enclosure 4, "Requirements for Facility Review of Written Examinations." Mr. R. Simpkins has been informed of these requirements.

Preliminary reactor operator and senior reactor operator license applications should be submitted at least 30 days before the first examination dates so that we will be able to review the training and experience of the candidates, process the medical certifications, and prepare final examiner assignments after applicant eligibility has been determined. If the applications are not received at least 30 days before the examination dates, it is likely that a postponement will be necessary. Final signed applications certifying that all training has been completed shall be submitted at least 14 days before the first examination date. However, if processing of a license application is not completed in time to make a determination of applicant eligibility, the candidate shall not be permitted to sit for the examination. Therefore, it is recommended that license applications be provided as soon as possible to ensure an appropriate level of review.

This request is covered by Office of Management and Budget Clearance Number 3150-0101 which expires May 31, 1992. The estimated average burden is 7.7 hours per response, including gathering, xeroxing and mailing the required material. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Information and Records Management Branch, Division of Information Support Services, Office of Information Resources Management, U.S. Nuclear Regulatory Commission, Washington, D.C. 20555; and to the Paperwork Reduction Project (3150-0101), Office of Information and Regulatory Affairs, NEOB-3019, Office of Management and Budget, Washington, D.C. 20503.

Thank you for your consideration in this matter. If you have any questions regarding the examination procedure and requirements, please contact T. Reidinger at (708) 790-5551.

Sincerely,

Thomas M. Burdick for

Geoffrey C. Wright, Chief
Operations Branch

Enclosures:

- 1. Reference Material Requirements
for Reactor/Senior Reactor Operator
Licensing Examinations
- 2. Requirements for Administration
of Written Examinations
- 3. NRC Rules and Guidelines For
Written Examinations
- 4. Requirements for Facility Review
of Written Examinations

cc w/enclosures:

- L. Storz, Plant Manager
DCD/DCB (RIDS)
OC/LFDCB
Resident Inspector, RIII
- James W. Harris, State of Ohio
- Robert E. Owen, Ohio
Department of Health
- A. Grandjean, State of Ohio,
Public Utilities Commission
- R. Simpkins, Plant Training Manager

cc w/o enclosures:

- D. Dilanni, Project Manager, NRR
- M. Gallo, Branch Chief, OLB
- N. Jackiw, Section Chief, DRP

RIII
TR
Reidinger/cg
01/9/91

RIII
B
Burdick
01/10/91

RIII
GW
Wright
01/06/91

ENCLOSURE 1

REFERENCE MATERIAL REQUIREMENTS FOR REACTOR/SENIOR REACTOR OPERATOR LICENSING EXAMINATIONS

1. Existing learning objectives, Job Performance Measures and lesson plans (including training manuals, plant orientation manual, system descriptions, reactor theory, thermodynamics, etc.)

A copy of the facility Job and Task Analysis (JTA), specifying the knowledges and abilities required of an operator at the facility. Each particular knowledge and/or ability will include an importance rating correlating it to ensuring the health and the safety of the public. If a JTA is not furnished, the Knowledges and Abilities Catalog for Nuclear Power Plant Operators, NUREG-1122 (1123) will be used to establish content validity for the examination.

All Job Performance Measures (JPMs) used to ascertain the competence of the operators in performing tasks within the control room complex and, as identified in the facility JTAs, outside of the control room, i.e., local operations.

Training materials should include all substantive written material used for preparing applicants for initial RO and SRO licensing. The written material should include learning objectives and the details presented during lectures, rather than outlines. Training materials should be identified by plant and unit, bound, and indexed. FAILURE TO PROVIDE COMPLETE, PROPERLY BOUND AND INDEXED PLANT REFERENCE MATERIAL MAY RESULT IN THE RETURN OF THE MATERIAL TO THE PERSON WHO IS THE HIGHEST LEVEL OF CORPORATE MANAGEMENT WHO IS RESPONSIBLE FOR PLANT OPERATIONS (E.G., VICE PRESIDENT OF NUCLEAR OPERATIONS). ACCOMPANYING THE MATERIAL WILL BE A COVER LETTER EXPLAINING THE DEFICIENCIES IN THE REFERENCE MATERIAL AND THE FACT THAT THIS WAS THE REASON THE EXAMINATIONS WERE CANCELLED OR POSTPONED. Training materials which include the following should be provided:

- ° System descriptions including descriptions of all operationally relevant flow paths, components, controls and instrumentation. System training material should draw parallels to the actual procedures used for operating the applicable system.
- ° Complete and operationally useful descriptions of all safety-system interactions and, where available, BOP system interactions under emergency and abnormal conditions, including consequences of anticipated operator error, maintenance error, and equipment failure.

OPERATOR LICENSING ENCLOSURE 1 (Cont'd)

- Training material used to clarify and strengthen understanding of emergency operating procedures.
- 2. Complete Procedure Index (including surveillance procedures, etc.)
- 3. All administrative procedures (as applicable to reactor operation or safety)
- 4. All integrated plant procedures (normal or general operating procedures)
- 5. All emergency procedures (emergency instructions, abnormal or special procedures)
- 6. Standing orders (important orders that are safety-related and may supersede the regular procedures)
- 7. Surveillance procedures (procedures that are run frequently, i.e., weekly or that can be run on the simulator)
- 8. Fuel-handling and core-loading procedures, (initial core-loading procedure, when appropriate)
- 9. All annunciator/alarm procedures
- 10. Radiation protection manual (radiation control manual or procedures)
- 11. Emergency plan implementing procedures
- 12. Technical Specifications (and interpretations, if available) for all units for which licenses are sought.
- 13. System operating procedures
- 14. Piping and instrumentation diagrams, electrical single-line diagrams, or flow diagrams
- 15. Technical Data Book, and/or plant curve information as used by operators and facility precautions, limitations, and set points (PLS) for the facility
- 16. Questions and answers specific to the facility training program which may be used in the written or operating examinations (voluntary by facility licensee)

OPERATOR LICENSING ENCLOSURE 1 (Cont'd)

17. Additional material required by the examiners to develop examinations that meet the requirements of these Standards and the regulations.

The above reference material shall be approved, final issues and shall be so marked. If a plant has not finalized some of the material, the Chief Examiner shall verify with the facility that the most complete, up-to-date material is available and that agreement has been reached with the licensee for limiting changes before the administration of the examination. All procedures and reference material shall be bound with appropriate indices or tables of contents so that they can be used efficiently. Failure to provide complete, properly bound and indexed plant reference material could result in cancellation or rescheduling of the examinations.

ENCLOSURE 2

REQUIREMENTS FOR ADMINISTRATION OF WRITTEN EXAMINATIONS

1. A single room shall be provided for administration of the written examination. The location of this room and supporting restroom facilities shall be such as to prevent contact with all other facility and/or contractor personnel during the written examination. If necessary, the facility should make arrangement for the use of a suitable room at a local school, motel, or other building. Obtaining this room is the responsibility of the licensee.
2. Minimum spacing is required to ensure examination integrity as determined by the Chief Examiner. Minimum spacing should be one applicant per table, with a three-foot space between tables.
3. Suitable arrangements shall be made by the facility if the applicants are to have lunch, coffee or other refreshments. These arrangements shall comply with Item 1 above and shall be reviewed by the examiner and/or proctor.
4. The facility licensee shall provide pads of 8-1/2 by 11 inch lined paper in unopened packages for each applicant's use in completing the examination. The examiner shall distribute these pads to the applicants as needed.
5. Applicants may bring pens, pencils, calculators or slide rules into the examination room. Only black ink or dark pencils should be used for writing answers to questions.
6. The licensee shall provide one set of steam tables for each applicant. The examiner shall distribute the steam tables to the applicants. No wall charts, models, and/or other training materials shall be present in the examination room. No other equipment or reference material shall be allowed unless provided by the examiner.
7. The facility staff shall be provided with a copy of the written examination and answer key after the last candidate has handed in his written examination. The facility staff shall have five working days to provide formal written comments with supporting documentation regarding written examination questions and answers to the Chief Examiner.

ENCLOSURE 3

PROCEDURES FOR THE ADMINISTRATION OF WRITTEN EXAMINATIONS

1. Check identification badges.
2. Pass out examinations and all handouts. Remind applicants not to review examination until instructed to do so.

READ THE FOLLOWING INSTRUCTIONS VERBATIM:

During the administration of this examination the following rules apply:

1. Cheating on the examination means an automatic denial of your application and could result in more severe penalties.
2. After the examination has been completed, you must sign the statement on the cover sheet indicating that the work is your own and you have not received or given assistance in completing the examination. This must be done after you complete the examination.

READ THE FOLLOWING INSTRUCTIONS:

1. Restroom trips are to be limited and only one applicant at a time may leave. You must avoid all contacts with anyone outside the examination room to avoid even the appearance or possibility of cheating.
2. Use black ink or dark pencil only to facilitate legible reproductions.
3. Print your name in the blank provided in the upper right-hand corner of the examination cover sheet and each answer sheet.
4. Mark your answers on the answer sheet provided. USE ONLY THE PAPER PROVIDED AND DO NOT WRITE ON THE BACK SIDE OF THE PAGE.
5. Before you turn in your examination, consecutively number each answer sheet.
6. Use abbreviations only if they are commonly used in facility literature. Avoid using symbols such as or signs to avoid a simple transposition error resulting in an incorrect answer. Write it out.
7. The point value for each question is indicated in [brackets] after the question.

LICENSE EXAMINATIONS ENCLOSURE 3 (Cont'd)

8. Show all calculations, methods, or assumptions used to obtain an answer to any short answer questions.
9. Partial credit may be given. Therefore, ANSWER ALL PARTS OF THE QUESTION AND DO NOT LEAVE ANY ANSWER BLANK. Partial credit will NOT be given on multiple choice questions.
10. Proportional grading will be applied. Any additional wrong information that is provided may count against you. For example, if a question is worth one point and asks for four responses, each of which is worth 0.25 points, and you give five responses, each of your responses will be worth 0.20 points. If one of your five responses is incorrect, 0.20 will be deducted and your total credit for that question will be 0.80 instead of 1.00 even though you got the four correct answers.
11. If the intent of a question is unclear, ask questions of the examiner only.
12. When turning in your examination, assemble the completed examination with examination questions, examination aids and answer sheets. In addition, turn in all scrap paper.
13. Ensure all information you wish to have evaluated as part of your answer is on your answer sheet. Scrap paper will be disposed of immediately following the examination.
14. To pass the examination, you must achieve a grade of 80% or greater.
15. There is a time limit of four (4) hours for completion of the examination.
16. When you are done and have turned in your examination, leave the examination area (DEFINE THE AREA). If you are found in this area while the examination is still in progress, your license may be denied or revoked.

ENCLOSURE 4

REQUIREMENTS FOR FACILITY REVIEW OF WRITTEN EXAMINATIONS

- i. At the option of the Section Chief, the facility may review the written examination up to two weeks prior to its administration. This review may take place at the facility or at the Regional office. The Chief Examiner will coordinate the details of the review with the facility. An NRC examiner will always be present during the review.

Whenever this option of examination review is utilized, the facility reviewers will sign the following statement prior to being allowed access to the examination. The examination or written notes will NOT be retained by the facility.

- a. Pre-Examination Security Agreement

I acknowledge that I have acquired specialized knowledge concerning the examination scheduled for at as of the date of my signature below. I agree that I will not knowingly divulge any information concerning this examination to any unauthorized persons. I understand that I am not to participate in any instruction involving those applicants scheduled to be administered the above examination from this date until after the examination has been administered. I further understand that violation of the conditions of this agreement may result in the examination being cancelled and/or enforcement action against myself or the facility licensee by whom I am employed or represent.

Signature/Date

In addition, the facility staff reviewers will sign the following statement after the written examination has been administered.

- b. Post-Examination Security Agreement

I did not, to the best of my knowledge, divulge any information concerning the examinations administered during the week of at to any unauthorized persons. I did not participate in providing any instruction to those applicants who were administered the examination from the date I entered into this security agreement until the completion of examination administration.

Signature/Date

REQUIREMENTS FOR FACILITY REVIEW OF WRITTEN EXAMINATIONS (Cont'd)

2. Regardless of whether the above examination review option is exercised, immediately following the administration of the written examination, the facility staff shall be provided a marked-up copy of the examination and the answer key. The copy of the written examination shall include pen and ink changes made to questions during the examination administration.

If the facility did not review the examination prior to its administration, they will have five (5) working days from the day of the written examination to submit formal comments. If the facility reviewed the examination prior to its administration, any additional comments must be given to an examiner prior to his/her leaving the site at the end of the week of the written examination administration. In either case, the comments will be addressed to the responsible Regional Office by the highest onsite level of corporate management for plant operations, e.g., Vice President for Nuclear Operations. A copy of the submittal will be forwarded to the Chief Examiner, as appropriate. Comments not submitted within the required time frame will be considered for inclusion in the grading process on a case-by-case basis by the Regional Office Section Chief. Should the comment submittal deadline not be met, a long delay in grading the examinations may occur.

3. The following format should be adhered to for submittal of specific comments:
 - a. Listing of NRC Question, answer and reference
 - b. Facility comment/recommendation
 - c. Reference (to support facility comment)

NOTES: 1. No change to the examination will be made without submittal of a reference to support the facility comment. Any supporting documentation that was not previously supplied, should be provided.

2. Comments made without a concise facility recommendation will not be addressed.

4. A two-hour post examination review may be held at the discretion of the Chief Examiner. If this review is held, the facility staff should be informed that only written comments that are properly supported will be considered in the grading of the examination.

*** Print Diagnostics for: D BESSE 90 DAY LTR

Total Formatting Exceptions = 2 Total Listed Below = 2

The Following Two Formats Will Be Used:

<u>Page/Line</u>	<u>Format Exception Message Found By The IBM 5520</u>
<u>Sheet Number</u>	<u>Format Exception Message Found By The Printer</u>
11	0323-Unsupported Character - Substitute Used
11	0323-Unsupported Character - Substitute Used