

March 11, 1988

North Carolina State University
ATTN: Dr. Bernard Wehring, Director
Nuclear Reactor Program
Department of Nuclear Engineering
Box 7909
Raleigh, NC 27695-7909

Gentlemen:

SUBJECT: REACTOR OPERATOR AND SENIOR OPERATOR LICENSING EXAMINATIONS

In a telephone conversation between Mr. Tom Bray, Reactor Operations Manager, and Mr. Mike Ernstes, NRC Region II Operator Licensing Section 2, arrangements were made for administration of the Reactor Operator Licensing Retake examinations at the North Carolina State University, PULSTAR Reactor Facility.

The written and oral examinations are scheduled for the week of April 25, 1988.

The facility management is responsible for providing adequate space and accommodations in order to properly conduct the written examinations. Enclosure 1, "Requirements for Administration of Written Examinations," describes our requirements for conducting these examinations. Mr. Bray has been informed of these requirements.

Enclosure 1 also 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 candidates are aware of these Rules.

The facility staff review of the written examination will be conducted in accordance with requirements specified in Enclosure 2, "Requirements for Facility Review of Written Examination." Mr. Bray has been informed of these requirements.

Thank you for your consideration in this matter. If you have any questions regarding the examination procedures and requirements, please contact Mr. Kenneth Brockman, Chief, Operator Licensing Section 2, at 404/331-5594, or Mr. Mike Ernstes at 404/331-4178.

Sincerely,

(ORIGINAL SIGNED BY C. A. JULIAN)

Caudle A. Julian, Chief
Operations Branch
Division of Reactor Safety

Enclosures:

1. Requirements for Administration of Written Exams
2. Facility Review Requirements

cc w/encls: T. Bray, Reactor Operations Manager

bcc: (See Page 2)

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ENCLOSURE 1

REQUIREMENTS FOR ADMINISTRATION OF WRITTEN EXAMINATIONS

1. A single room shall be provided for completing 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 duration of the written examination. If necessary, the facility should make arrangements 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 candidate per table, with a 3-ft. space between tables. No wall charts, models, and/or other training materials shall be present in the examination room.
3. Suitable arrangements shall be made by the facility if the candidates are to have lunch, coffee, or other refreshments. These arrangements shall comply with Item 1 above. These arrangements shall be reviewed by the examiner and/or proctor.
4. The facility staff shall be provided a copy of the written examination and answer key after the last candidate has completed and handed in his written examination. The facility staff shall then have five working days to provide formal written comments with supporting documentation on the examination and answer key to the chief examiner or to the regional office section chief.
5. The facility licensee shall provide pads of 8-1/2 by 11 inch lined paper in unopened packages for each candidate's use in completing the examination. The examiner shall distribute these pads to the candidates. All reference material needed to complete the examination shall be furnished by the examiner. Candidates can bring pens, pencils, calculators, or slide rules into the examination room, and no other equipment or reference material shall be allowed.
6. Only black ink or dark pencils should be used for writing answers to questions.

NRC RULES AND GUIDELINES FOR LICENSE EXAMINATIONS

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. Restroom trips are to be limited and only one candidate 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.
3. Use black ink or dark pencil only to facilitate legible reproductions.
4. Print your name in the blank provided on the cover sheet of the examination.
5. Fill in the date on the cover sheet of the examination (if necessary).
6. Use only the paper provided for answers.
7. Print your name in the upper right-hand corner of the first page of each section of the answer sheet.
8. Consecutively number each answer sheet, write "End of Category ___" as appropriate, start each category on a new page, write on only one side of the paper, and write "Last Page" on the last answer sheet.
9. Number each answer as to category and number, for example, 1.4, 6.3.
10. Skip at least three lines between each answer.
11. Separate answer sheets from pad and place finished answer sheets face down on your desk or table.
12. Use abbreviations only if they are commonly used in facility literature.
13. The point value for each question is indicated in parentheses after the question and can be used as a guide for the depth of answer required.
14. Show all calculations, methods, or assumptions used to obtain an answer to mathematical problems, whether indicated in the question or not.
15. Partial credit may be given. Therefore, ANSWER ALL PARTS OF THE QUESTION AND DO NOT LEAVE ANY ANSWER BLANK.

16. If parts of the examination are not clear as to intent, ask questions of the examiner only.
17. You must sign the statement on the cover sheet that indicates that the work is your own and you have not received or been given assistance in completing the examination. This must be done after the examination has been completed.
18. When you complete your examination, you shall:
 - a. Assemble your examination as follows:
 - (1) Exam questions on top.
 - (2) Exam aids - figures, tables, etc.
 - (3) Answer pages including figures which are a part of the answer.
 - b. Turn in your copy of the examination and all pages used to answer the examination questions.
 - c. Turn in all scrap paper and the balance of the paper that you did not use for answering the questions.
 - d. Leave the examination area, as defined by the examiner. If after leaving, you are found in this area while the examination is still in progress, your license may be denied or revoked.

ENCLOSURE 2

REQUIREMENTS FOR FACILITY REVIEW OF WRITTEN EXAMINATION

1. There shall be no review of the written examination by the facility staff before or during the administration of the examination. Following the administration of the written examination, the facility staff shall be provided a marked-up copy of the examination and the answer key.
2. The facility will have five (5) working days from the day the written examination is given to provide formal comment submittal. The submittal will be made to the responsible regional office by the highest 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 five (5) working days 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 for finalization of the examination results 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
 - c. Supporting documentation

- NOTES:
1. No change to the examination will be made without submittal of complete, current, and approved reference material.
 2. Comments made without a concise facility recommendation will not be addressed.