

**FACILITY POST-EXAMINATION COMMENTS**  
**FOR THE D. C. COOK INITIAL EXAM - MARCH 2007**

**DONALD C. COOK NUCLEAR PLANT MANAGEMENT DECLINED TO PROVIDE  
POST-EXAMINATION COMMENTS TO THE D.C. COOK MARCH 2007 INITIAL  
EXAMINATION.**

**THE NRC EXAMINERS HAD NO COMMENTS ON THE SUBMITTED OUTLINE FOR THE  
EXAMINATION.**



**INDIANA  
MICHIGAN  
POWER**

A unit of American Electric Power

**Indiana Michigan Power**  
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March 30, 2007

U. S. Nuclear Regulatory Commission  
ATTN: Mr. Hironori Peterson  
Chief, Operations Branch  
2443 Warrenville Road, Suite 210  
Lisle, IL 60532-4352

**Donald C. Cook Nuclear Plant Units 1 and 2  
2007 INITIAL LICENSE WRITTEN EXAMINATION RESULTS**

The written portion of the NRC License Exam was administered on March 26, 2007 at the Donald C. Cook Nuclear Plant. In accordance with NUREG 1021, Operator Licensing Examination Standards for Power Reactors, Donald C. Cook Nuclear Plant is submitting the following exam materials:

The following items are enclosed:

- 1) ES-403-1, Written Exam Grading QA Checklist
- 2) Applicant Answer Sheets and Examination Cover Sheets
- 3) Master Exam and Answer Key
- 4) Applicant Questions/Clarifications
- 5) Seating Chart
- 6) Exam Analysis Information
- 7) ES-201-3 Examination Security Agreement

NOTE: There were no post exam applicant comments. The attached security agreement final signatures are incomplete. A fully signed copy of the security agreement will be forwarded after the final signatures are obtained.

If you have any questions, please contact Mr. Ronald E. Harrah, Operations Training Manager, at (269) 466-3407 or Mr. John "Ted" Conrad, Exam Project Manager at (269) 465-5901, extension 3898.

Sincerely,

Ronald E. Harrah  
Operations Training Manager

/slf

Enclosures

APR 2 2007

## RO 25 NRC EXAM QUESTIONS

Q #	Question/Response.
65	DOES "One Hour" apply to both halves of answer. - <u>Yes</u> . - As written in test.
79	ARE Tcolds lowering consistently w/ S/G Pressure lowering? Answer - No additional information provided. Read as is.
14	DOES question mean "NO BACK FEED" for Electrical Alignment. YES. - Questions says HOT STANDBY - Assumes a Reserve feed.

Cook Nuclear Power Plant  
2007 NRC Written Examination

The written examination was reviewed with the candidates. The candidates submitted NO examination comments. An analysis was performed for the questions missed by > 30% (3 on RO or 2 on SRO) of the applicants. The following is the results of the test item analysis conducted.

Question Number	Analysis	Changes
3	55% pass rate. Four incorrect answers were split between two other distracters. Verified keyed answer is the only correct answer.	No NRC Change Required.
24	66% pass rate. Incorrect answers were a result of not remembering the failed-safe position of QRV-251.	No NRC Change Required.
25	66% pass rate. Incorrect answers were a result of not determining the correct direction of leak flow for an RHR Hx tube leak	No NRC Change Required.
26	33% pass rate. All incorrect answers were the same. Student thought power could be removed from RHR suction motor operated valves while still in Mode 4 once LTOP controls were in place.	No NRC Change Required. Submit change to enhance lesson plan.
57	55% pass rate. Three of four incorrect answers were result of students not realizing that a full ground on both the Positive and Negative terminals would result in fusing blowing and loss of 250 VDC bus.	No NRC Change Required.
66	66% pass rate. Two of three incorrect answers were due to students thinking that the PAC alarm would come in if the PAC failed to start and maintain PA Header Pressure.	No NRC Change Required.
69	55% pass rate. All incorrect answers were the same. Student misconception that SG PORVs could be operated from the control room when on backup nitrogen supply	No NRC Change Required.
71	66% pass rate. All incorrect answers were the same. Misconception that more than one reading greater than 1000 mR/hr was required for posting a locked high radiation area. Discussions with RP trainers pointed out that there are some clarifications that could be helpful.	Minor wording enhancement to stem submitted for bank. No NRC Change Required.
79	25% pass rate. All incorrect answers were the same. Student incorrectly attributed cooldown to ECCS flow when T <sub>sat</sub> for the given SG pressures were less than RCS Temperatures. (SGs were causing cooldown).	No NRC Change Required.
86	50% pass rate. All incorrect answers were the same. Did not know that if they had only one CCP available on loss of CCW that it should be stopped.	No NRC Change Required.
89	50% pass rate. All incorrect answers were the same. Misunderstanding that fire had only affected the Control Room panel wiring (downstream of HSD wiring) and not the HSD wiring	No NRC Change Required.