



Entergy Operations, Inc.

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March 3, 2008

ANO-2-2008-0026

Mr. Stephen M. Garchow, Chief Examiner  
U.S. Nuclear Regulatory Commission  
611 Ryan Plaza Drive, Suite 400  
Arlington, TX 76011-8064

Subject: INITIAL EXAMINATION – Completion of post examination analysis and transmittal of final examination material for ANO, Unit 2 (CE)

Dear Mr. Garchow,

The post examination analysis and final examination material for ANO, Unit 2 (CE) was delivered to you at the end of the operating examination week, February 25-28, 2008. The material included the graded written examinations with each applicant's original answer and examination cover sheet plus a clean copy of each applicant's answer sheet, the master examination and answer key, the questions asked by and answers given to the applicants during the written examination, the written examination seating chart, the completed Form ES-403-1, "Written Examination Grading Quality Checklist". The results of the written examination performance analysis per guidance from ES-501 C.1.a and the original Forms of ES-201-3, "Examination Security Agreement" are attached with this letter.

Please call me at 479-858-6844 if you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read "Randal Martin".

Randal Martin  
Facility Representative  
Arkansas Nuclear One  
Supervisor, Operations Training

Attachments

Cc w/o attachments: R. Walters  
S. Cotton  
R. Carter  
R. Martin  
C. Simpson  
M. Blanchard  
B. Coble  
Licensing  
ANO-DCC

2008 Initial RO/SRO Exam Analysis Comments

<i>Exam Q#</i>	<i>Bank QID</i>	<i>Comment:</i>
34	1522	<p><b>Question had a 50% (4/8) failure rate.</b> There were no student comments logged for this question during the exam. Distracter D is the correct answer because the Letdown Heat Exchanger CCW flow control valve will fail open and Letdown flow must be isolated as directed by the procedure to prevent cooling down the Letdown ion exchanger causing a positive reactivity addition to the Reactor. Distracter B was selected by three of the candidates who missed this question. The CCW containment isolations to the RCP are motor operated and are not affected by a loss of Instrument Air. One candidate selected distracter A. The CCW Surge Tank vent fails to the atmospheric position on loss of Instrument Air.</p> <p>Recommend leaving question as written and remediating the candidates on this question during the written exam debrief. No changes to this exam will be made.</p>
51	1539	<p><b>Question had a 50% (4/8) failure rate.</b> There were no student comments logged for this question during the exam. The candidates who missed this question picked distracter C as their answer. The CHECK SOURCE method of testing the valve isolation was previously used in the past but sometimes did not exceed the selected alarm setpoint so the method was changed to using PULSE CAL a while back.</p> <p>Recommend leaving question as written and remediating the candidates on this question during the written exam debrief. No changes to this exam will be made.</p>
55	1543	<p><b>Question had a 50% (4/8) failure rate.</b> There were only 1 out of 8 students with a question logged for this QID during the exam. All of the candidates that missed this question picked distracter D as their answer. There is a door monitoring panel on 2C14 that monitors the position of some watertight doors in the Aux Building going to the ESF and EFW rooms. However, there is no door light on 2C14 for the Containment Personnel Air Lock hatch door. This monitoring can only be done on 2C10 by way of the annunciator.</p> <p>Recommend leaving question as written and remediating the candidates on this question during the written exam debrief. No changes to this exam will be made.</p>
65	1553	<p><b>Question had a 50% (4/8) failure rate.</b> There were only 1 out of 8 students with a question logged for this QID during the exam. This question concerns the knowledge of which Service Water pumps will be running based on the given conditions. If all the conditions happen "NOW" as stated in the middle conditional events, then the correct answer is B. If the candidates make assumptions on the timing of the events in the middle conditional events, then they may come up with distracter D as is the case with three of the missed answers. One candidate selected distracter C as his answer which is incorrect because the wrong pumps are running and 2CV-1540 has no automatic features and would remain open through out the event.</p> <p>Recommend leaving question as written and remediating the candidates on this question during the written exam debrief. No changes to this exam will be made.</p>

92	1580	<p><b><i>Question had a 66.7% (2/3SRO) failure rate.</i></b> This question was a set of LOCA conditions where the candidate had to determine if the LOCA procedure was still being affective or should the function recovery procedure be implemented. The 2 candidates that picked the wrong distracter B to stay in the LOCA recovery procedure failed to realize that the Safety function status checks for RCS Core Heat removal were not satisfied (RVLMS level 6 or higher indicates wet with no indications of superheat).</p> <p>Recommend leaving question as written and remediating the candidates on this question during the written exam debrief. No changes to this exam will be made.</p>
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