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1CAN031002

March 17, 2010

Mr. Kelly Clayton
Chief Examiner
U.S. Nuclear Regulatory Commission
612 E. Lamar Blvd., Suite 400
Arlington, TX 76011-4125

SUBJECT: INITIAL EXAMINATION – Completion of Post Examination Analysis and Transmittal of Final Examination Materials for ANO, Unit 1

Dear Mr. Clayton:

Included in this package are the examination analysis and final written examination materials for ANO, Unit 1 for the written examination given on March 16, 2010. The materials include the graded written examinations with each applicant's answer sheet; the questions asked by and answers given to the applicants during the written examination; the written examination seating chart; the master examination and answer key; the results of the written examination performance analysis per guidance from ES-403 D.1.a; the completed Form ES-403-1, "Written Examination Grading Quality Checklist"; and two pages of Form ES-201-3, "Examination Security Agreement".

We also request that the examination materials related to the ANO Unit 1 March 2010 NRC Operator License examinations be withheld from public disclosure for a period of 2 years from this date.

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

Sincerely,

A handwritten signature in cursive script that reads "Sherrie R. Cotton".

Sherrie Cotton
Manager, Training
Arkansas Nuclear One

Attachments

cc w/o attachment: K. Jones
S. Cotton
A. Clinkingbeard
R. Martin
Licensing
ANO-DCC

2010 ANO-1 NRC RO Written Examination Analysis

The threshold for determination of question analysis was a miss percentage of 50%.

#3 QID #0772

9/14 total candidates missed (64%)

This question is valid the STM states the RB sump is only valid for leak determination up to 50%. All the candidates that missed the question answered "B" which was the correct leak rate but failed to realize the 50% limit. No change to the key was made. The question is technically correct as written, with no construction problems. We will be performing training needs analysis on this question.

#8 QID #0582

8/14 total candidates missed (57.1%)

This question is valid all candidates that missed the question selected the same disclaimer "A" thinking the Reactor tripped due to loss of Main Feedwater pumps, not realizing this was an AMSAC trip due to reactor power being high and not enough Feedwater flow. No change to the key was made. The question is technically correct as written, with no construction problems. We will be performing training needs analysis on this question.

2010 ANO-1 NRC SRO Written Examination Analysis

The threshold for determination of question analysis was a miss percentage of 50%.

No question miss rate exceeded 50% on the SRO portion of the exam

2010 NRC SRO Exam Analysis

						% miss
76			A	A		40.0%
77	A				A	40.0%
78						
79						
80						
81						
82	A	A				40.0%
83						
84						
85						
86						
87	C					20.0%
88						
89						
90						
91						
92						
93		D		D		40.0%
94	D					20.0%
95	A				B	40.0%
96						
97				A		20.0%
98						
99						
100	C					20.0%
SRO Missed	6	2	1	3	2	AVG
SRO %	76.0%	92.0%	96.0%	88.0%	92.0%	88.8%
Total Missed	12	7	6	3	10	
Total %	88.0%	93.0%	94.0%	97.0%	90.0%	92.4%