

**2011 DAVIS-BESSE NUCLEAR POWER STATION**

**INITIAL EXAMINATION**

**ADMINISTRATIVE FILES**

1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of 12/5 & 12/12 2011 @ Davis Besse as of the date of my signature. I agree that I will not knowingly divulge any information about these examinations to any persons who have not been authorized by the NRC chief examiner. I understand that I am not to instruct, evaluate, or provide performance feedback to those applicants scheduled to be administered these licensing examinations from this date until completion of examination administration, except as specifically noted below and authorized by the NRC (e.g., acting as a simulator booth operator or communicator is acceptable if the individual does not select the training content or provide direct or indirect feedback). Furthermore, I am aware of the physical security measures and requirements (as documented in the facility licensee's procedures) and understand that violation of the conditions of this agreement may result in cancellation of the examinations and/or an enforcement action against me or the facility licensee. I will immediately report to facility management or the NRC chief examiner any indications or suggestions that examination security may have been compromised.

2. Post-Examination

To the best of my knowledge, I did not divulge to any unauthorized persons any information concerning the NRC licensing examinations administered during the week(s) of 12/5/2011 and 12/12/2011 From the date that I entered into this security agreement until the completion of examination administration, I did not instruct, evaluate, or provide performance feedback to those applicants who were administered these licensing examinations, except as specifically noted below and authorized by the NRC.

PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATE	NOTE
1. <u>Paul Timmerman</u>	<u>Exam Developer</u>	<u>Paul Timmerman</u>	<u>6/15/11</u>	<u>Paul Timmerman</u>	<u>12/14/11</u>	
2. <u>Richard J. Books</u>	<u>Exam Developer / LEAD</u>	<u>RJ Books</u>	<u>6/24/11</u>	<u>RJ Books</u>	<u>12/16/11</u>	
3. <u>STEVEN L. LAENG</u>	<u>INSTRUCTOR</u>	<u>Steve Laeng</u>	<u>7/11/11</u>	<u>Steve Laeng</u>	<u>12/17/11</u>	
4. <u>RICHARD K. SHARPE</u>	<u>SIM. SOFTWARE ENG.</u>	<u>Richard Sharpe</u>	<u>7/12/11</u>	<u>Richard Sharpe</u>	<u>12/27/11</u>	
5. <u>RONALD P. TOTH</u>	<u>SIM HARDWARE ENG.</u>	<u>R. P. Toth</u>	<u>7/12/11</u>	<u>R. P. Toth</u>	<u>12/27/11</u>	
6. <u>David Stephenson</u>	<u>Reactor Engineer</u>	<u>David Stephenson</u>	<u>7/12/11</u>	<u>David Stephenson</u>	<u>12/28/11</u>	①
7. <u>Mark Clark</u>	<u>E+C Plant Eng.</u>	<u>Mark Clark</u>	<u>7/12/11</u>	<u>Mark Clark</u>	<u>12/27/11</u>	
8. <u>ANTHONY STALLARD</u>	<u>Ops Supt</u>	<u>Anthony Stallard</u>	<u>8/4/11</u>	<u>Anthony Stallard</u>	<u>12/16/11</u>	
9. <u>Gina Scherger</u>	<u>Admin. Assoc.</u>	<u>Gina Scherger</u>	<u>9/7/11</u>	<u>Gina M. Scherger</u>	<u>12/19/11</u>	
10. <u>JOHN BIALORUCKI</u>	<u>INSTRUCTOR</u>	<u>John Bialorucki</u>	<u>9/7/11</u>	<u>John Bialorucki</u>	<u>12/16/11</u>	
11. <u>ROBERT LAKIS</u>	<u>OPS SUPPORT</u>	<u>Robert Lakis</u>	<u>9/19/11</u>	<u>Robert Lakis</u>	<u>12/16/11</u>	
12. <u>JEFFREY S. CARR</u>	<u>REACTOR OPERATOR</u>	<u>Jeffrey S. Carr</u>	<u>9-19-11</u>	<u>Jeffrey Carr</u>	<u>12-29-11</u>	
13. <u>Donald P Rowland</u>	<u>Reactor Operator</u>	<u>Donald P Rowland</u>	<u>9-19-11</u>	<u>Don Rowland</u>	<u>12/21/11</u>	①
14. <u>NATHAN BARRON</u>	<u>Unit Supervisor</u>	<u>Nathan Barron</u>	<u>9-19-11</u>	<u>Nathan Barron</u>	<u>12-29-11</u>	
15. <u>CARLO V. POCINO</u>	<u>REACTOR OPERATION</u>	<u>Carlo Pociño</u>	<u>9-20-11</u>	<u>Carlo Pociño</u>	<u>12/29/11</u>	


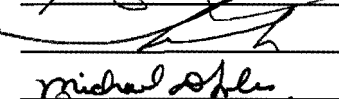
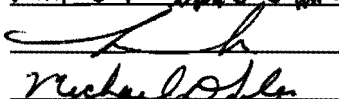
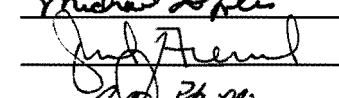
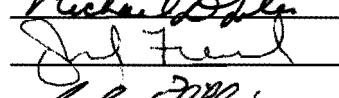
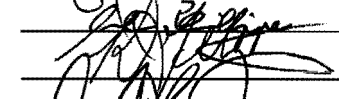
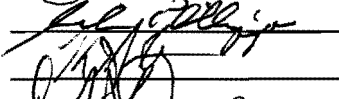
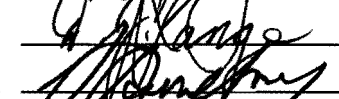
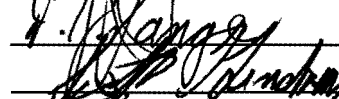
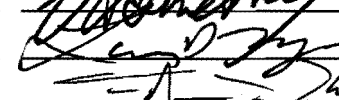
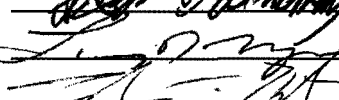
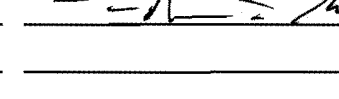
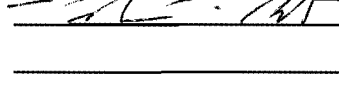
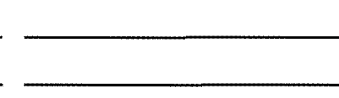
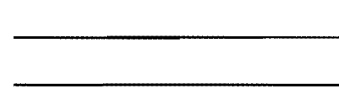
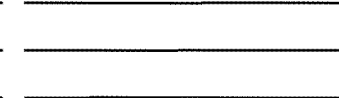
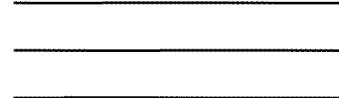
NOTES: ① per Telecon.

1. Pre-Examination


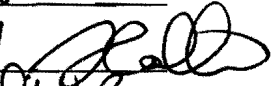
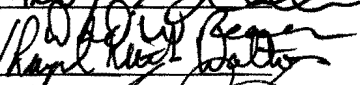
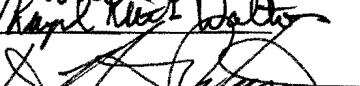
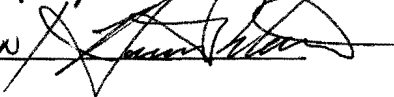
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PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATE	NOTE
1. <u>Math Doyle</u>	<u>RO</u>		<u>9/22/11</u>	<u>MATT DOYLE</u>	<u>12/29/11</u>	<u>①</u>
2. <u>Ronald Purk</u>	<u>RO</u>		<u>9/23/11</u>		<u>12/14/11</u>	
3. <u>Michael D. Boles</u>	<u>RO</u>	<u>Michael D. Boles</u>	<u>9/23/11</u>	<u>Michael D. Boles</u>	<u>12/16/11</u>	
4. <u>Paul Ferrell</u>	<u>RO</u>		<u>11/14/11</u>		<u>12/29/11</u>	
5. <u>John Phillippe</u>	<u>SRO</u>		<u>11/14/11</u>		<u>12/29/11</u>	
6. <u>Kim A. Styer</u>	<u>E/S Operator</u>		<u>12/5/11</u>		<u>12/19/11</u>	
7. <u>DAVID LANGE</u>	<u>INSTRUCTOR</u>		<u>12-5-11</u>		<u>12-16-2011</u>	
8. <u>Scott E. Lindsay</u>	<u>Instructor</u>		<u>12/6/11</u>		<u>12/16/2011</u>	
9. <u>Larry Myers</u>	<u>Instructor</u>		<u>12/5/11</u>		<u>12/16/11</u>	
10. <u>Ton Hettrich</u>	<u>Computer Support</u>		<u>12/12/11</u>		<u>12/21/11</u>	
11. <u>PAUL FERRELL</u>						
12.						
13.						
14.						
15.						

NOTES: ① Per Telecon

Facility: <b>Davis – Besse</b>		Date of Exam: <b>12/16/11</b>		Exam Level: RO <input checked="" type="checkbox"/>	SRO <input checked="" type="checkbox"/>
Item Description	Initials				
	a	b	c		
1. Clean answer sheets copied before grading	RJS	no	RKW		
2. Answer key changes and question deletions justified and documented	N/A RJS	N/A no	N/A RKW		
3. Applicants' scores checked for addition errors (reviewers spot check > 25% of examinations)	RJS	no	RKW		
4. Grading for all borderline cases (80 $\pm$ 2% overall and 70 or 80, as applicable, $\pm$ 4% on the SRO-only) reviewed in detail	N/A RJS	N/A no	N/A RKW		
5. All other failing examinations checked to ensure that grades are justified	N/A RJS	N/A no	N/A RKW		
6. Performance on missed questions checked for training deficiencies and wording problems; evaluate validity of questions missed by half or more of the applicants	RJS	no	RKW		
Printed Name/Signature		Date			
a. Grader	<u>Paul Timmerman</u> 	<u>12/21/11</u>			
b. Facility Reviewer(*)	<u>Anthony Stallard</u> 	<u>12/21/11</u>			
c. NRC Chief Examiner (*)	<u>David W. Reeser</u>  <u>Raymond K. Watson</u> 	<u>1/6/2012</u> <u>1/3/2012</u>			
d. NRC Supervisor (*)	<u>Hironori Peterson</u> 	<u>1/11/12</u>			
(*) The facility reviewer's signature is not applicable for examinations graded by the NRC; two independent NRC reviews are required.					

ry S. Allen  
Vice President - Nuclear419-321-7676  
Fax: 419-321-7582

- OPERATOR LICENSE EXAMINATION MATERIAL -  
- WHEN SEPARATED FROM ENCLOSURE, HANDLE THIS  
DOCUMENT AS UNRESTRICTED -

December 23, 2011

10 CFR 55

L-11-386

Mr. Dave Reeser  
Chief Examiner, Region III  
U. S. Nuclear Regulatory Commission  
2443 Warrenville Road, Suite 210  
Lisle, IL 60532-4352

## Subject:

Davis-Besse Nuclear Power Station, Unit 1  
Docket Number 50-346, License Number NPF-3  
Submittal of Post Examination Materials in Support of Recently Completed Initial  
License Operator Examinations

Enclosed are the post examination materials for the initial licensed operator examinations that were administered during the weeks of December 5 and December 12, 2011.

The enclosed items are being submitted to the NRC for review and approval in accordance with 10 CFR 55.40, "Written Examinations and Operating Tests – Implementation" and NUREG 1021, Operator Licensing Examination Standards for Power Reactors (Revision 9, Supplement 1).

After the Written Examination was completed, the Applicants participated in a review session to determine if enhancements to the questions were necessary. Results of this review indicate several questions should be evaluated for enhancements (Questions 36, 37, 57, 62, 81, and 99) prior to reuse. These questions are being tracked by the Corrective Action Program (CR 2011-07067).

Post-exam analysis indicates three potential generic training program weaknesses (Questions missed by 50 percent or more of the Applicants: Questions 33, 35 and 64). Investigations of these potential generic weaknesses are being tracked by the Corrective Action Program (CR 2011-07066).

DEC 27 2011

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Davis-Besse Nuclear Power Station, Unit 1  
L-11-386  
Page 2 of 2

All individuals signed onto Form ES-201-3, Examination Security Agreement, have not yet completed the post-examination signature. When Form ES-201-3, Examination Security Agreement, has been completed, it will be forwarded to you, thus completing the necessary documentation for the Davis-Besse Nuclear Power Station, Unit 1 Initial Licensing Examination.

There are no regulatory commitments included in the submittal. If there are any questions or if additional information is required, please contact Mr. Anthony Stallard, Superintendent – Nuclear Operations, at (419) 321-7161.

Sincerely,

A handwritten signature in cursive script that reads "Dary Kendrick for Barry Allen".

Barry S. Allen

vaw

- Enclosure A: Form ES-403-1, Written Examination Grading Quality Checklist
- Enclosure B: The ORIGINAL Applicant answer sheets, graded and two clean copies of each Applicant's answer sheets
- Enclosure C: All questions asked by the Applicants during the administration of the examination and the Proctor's responses to those questions.
- Enclosure D: The Written Examination Seating Chart
- Enclosure E: Copies of all Condition Reports generated for this exam.
- Enclosure F: Examination Statistics
- Enclosure G: Document Change Request

cc: Regional Administrator, NRC Region III (w/o Enclosure)  
Chief, Operations Branch, NRC Region III (w/o Enclosure)  
DB-1 NRC/NRR Senior Project Manager (w/o Enclosure)  
DB-1 Senior Resident Inspector (w/o Enclosure)  
USNRC Document Control Desk (w/o Enclosure)  
Utility Radiological Safety Board (w/o Enclosure)

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**Davis-Besse Nuclear Power Station, Unit 1  
L-11-386  
Enclosure C**

**All questions asked by the Applicants during the administration of the examination and  
the Proctor's responses to those questions  
(2 Pages follow)**

**Davis-Besse NPS 2011 NRC Examination Student Questions During Exam and Proctor Responses**

Time	Individual	Question/Response
0832		<p>Question #81: What does "required to be implemented next" mean? Does it mean to evaluate the need or its been evaluated and action is required?</p> <p>Response: It means what it says "implemented" next. If you think you need to look up the definition of implemented, use the dictionary provided</p>
0840		<p>Question #82: Are only the Immediate and Supplemental Actions in CR are complete?</p> <p>Response: Yes, only the Immediate and Supplemental Actions in CR are complete.</p>
0851		<p>Question #2: Does the MU3 air tank hold the valve open?</p> <p>Response: There is enough information in the stem of the question to answer the question</p>
0904		<p>Question #25: Is the question asking about status, operable vs inoperable, of the valve or the penetration</p> <p>Response: Answer question as written</p>
0908		<p>Question #75: Is 2<sup>nd</sup> bullet, in the stem bottom, from PAM Channel 2</p> <p>Response: There is sufficient information to answer the question</p>
0916		<p>Question #33: Is the question assuming I continue or stop the evolution in progress?</p> <p>Response: Question was rewritten to add "in the next 5 minutes."</p>
0931		<p>Question #33: What does "Selected" mean, normally selected or selected by RPS?</p> <p>Response: Question was rewritten to indentify "selected in RPS"</p>
0950		<p>Question #37: What does "Selected" mean</p> <p>Response: Question was rewritten to identify "selected in RPS"</p>



**Davis-Besse NPS 2011 NRC Examination Student Questions During Exam and Proctor Responses**

1029		<p>Question #35: Is the CCW 3 as 1 (C1) breaker racked in yet?</p> <p>Response: There is sufficient information to answer the question</p>
1047		<p>Question #70: What is the function of contacts 1 and 2?</p> <p>Response: Contacts 1 and 2 does not change state in the question</p>
1103		<p>Question #78: What is the trend of Pressurizer level?</p> <p>Response: There is sufficient information to answer the question</p>
1225		<p>Question #76: Are any other actions, such as isolate letdown, taken?</p> <p>Response: There is sufficient information to answer the question</p>
1234		<p>Question # 71: Does the question ask for the whole job or individuals?</p> <p>Response: There is sufficient information to answer the question</p>
1237		<p>Question #99: Is the question asking which one do we go to first or where we end up? Never mind I understand the question now.</p> <p>Response: None</p>
1240		<p>Question #77: Concerning LCO 3.5.2 –ECCS- Operating. Is Operating a typo, should it be ECCS-Shutdown?</p> <p>Response: Answer the question as written</p>
1250		<p>Question #12: Are the voltage values the final values? The question does not say the EDGs started.</p> <p>Response: The voltages are as listed</p>

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**Davis-Besse Nuclear Power Station, Unit 1  
L-11-386  
Enclosure D**

**The Written Examination Seating Chart  
(1 Page follows)**

DSRO	Empty Desk	DSRO
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Aisle

RO
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Aisle

USRO
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Empty Desk	Empty Desk	Empty Desk	RO
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RO
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DSRO
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DSRO	Empty Desk	DSRO
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RO
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DSRO
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Door

USRO
------

Seating  
chart  
DBNPS  
2011 NRE EXAM