



FirstEnergy Nuclear Operating Company

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Brian D. Boles
Vice President,
Nuclear

- OPERATOR LICENSE EXAMINATION MATERIAL -
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June 27, 2016

10 CFR 55

L-16-213

Mr. Michael Bielby
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
Submission of Post Examination Materials in Support of Recently Completed Initial License
Operator Examinations

Enclosed are the post examination materials for the initial licensed operator written examinations that were administered during the week of June 20, 2016.

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 10).

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 enhancement (Question 13, 65 and 99) prior to reuse. Determinations of these potential enhancements are being tracked by the Corrective Action Program.

Post-exam analysis indicates potential generic training program weaknesses (Questions missed by 50 percent or more of the Applicants; Questions 13, 55, 65). Investigations of these potential generic weaknesses are being tracked by the Corrective Action Program.

JUN 29 2016

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Two other issues were identified during the administration of the operating test and are being tracked by the Corrective Action Program.

All individuals that 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. Daniel T. Hartnett, Superintendent – Nuclear Operations Training, at (419) 249-2396.

Sincerely,



Brian D. Boles
Site Vice President

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- Enclosure A: Form ES-403-1, Written Examination Grading Quality Checklist
- Enclosure B: The ORIGINAL Applicant answer sheets, a graded copy 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

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
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Enclosure A

Form ES-403-1, Written Examination Grading Quality Checklist
(1 Page follows)

ES 403-1 located in Administrative section

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Davis-Besse Nuclear Power Station, Unit 1
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Enclosure B

The ORIGINAL Applicant answer sheets, a graded copy and two clean copies of each
Applicant's answer sheets
(36 Pages follow)

Applicant answer sheets, cover sheets and copies are proprietary, not in ADAMs.

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Davis-Besse Nuclear Power Station, Unit 1
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Enclosure C

All questions asked by the Applicants during the administration of the examination and the
Proctor's responses to those questions
(1 Page follows)

NRC Examination Student Questions During Exam and Proctor Responses

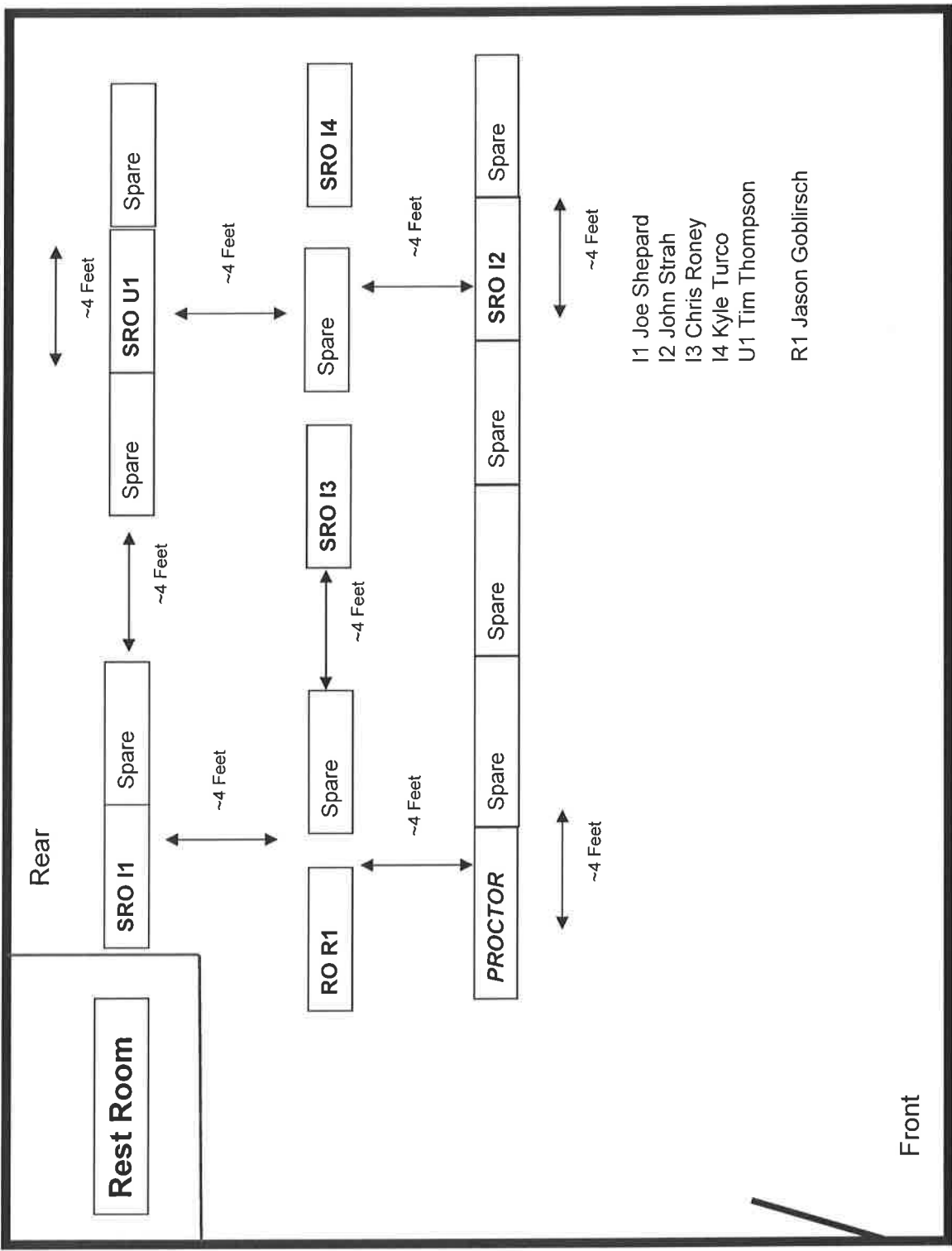
Individual	Question/Response
	Start Exam 6/20/16 0756
Shepard	Question # 54 Question: Can I assume that 122°F is the average inlet temperature to the Containment Air Coolers? Response: You have enough information to answer the question
Thompson	Question # 78 Question: Has Attachment 8, Place HPI/LPI/MU in service been completed? Response: You have enough information to answer the question
Shepard	Question # 81 Question: Can I assume no flags on the breaker for Service Water Pump 1? Response: You have enough information to answer the question

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Davis-Besse Nuclear Power Station, Unit 1
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Enclosure D

The Written Examination Seating Chart
(1 Page follows)

Davis Besse 1LOT16 NRC Written Exam Seating Chart 6/20/16



- I1 Joe Shepard
- I2 John Strah
- I3 Chris Roney
- I4 Kyle Turco
- U1 Tim Thompson
- R1 Jason Goblirsch

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Enclosure E

Copies of all Condition Reports generated for this exam
(3 Pages follow)

Exam Conditions Reports reviewed, not appropriate to load into ADAMs.

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Enclosure F

Examination Statistics
(2 Pages follow)

Points		RO 1	SRO 11	SRO 12	SRO 13	SRO 14	SRO U1	Average	Question #	Answer
1	1	1	1	1	1	1	1	100.0%	1	D
1	2	1	1	1	1	1	1	100.0%	2	A
1	3	1	1	1	1	D	1	83.3%	3	C
1	4	1	1	1	1	1	1	100.0%	4	A
1	5	1	1	1	1	1	1	100.0%	5	D
1	6	1	1	1	1	1	1	100.0%	6	B
1	7	1	1	1	1	B	D	66.7%	7	A
1	8	1	1	1	1	1	1	100.0%	8	C
1	9	1	1	1	1	1	1	100.0%	9	A
1	10	1	D	1	1	1	1	83.3%	10	B
1	11	1	1	B	1	1	C	66.7%	11	D
1	12	1	D	1	1	1	1	83.3%	12	C
1	13	C	C	C	C	1	C	16.7%	13	D
1	14	1	1	1	1	1	1	100.0%	14	A
1	15	1	1	1	1	1	1	100.0%	15	B
1	16	D	1	1	1	1	1	83.3%	16	C
1	17	1	1	1	1	1	1	100.0%	17	C
1	18	1	1	1	1	1	1	100.0%	18	A
1	19	1	1	C	1	1	1	83.3%	19	D
1	20	1	1	D	1	1	1	83.3%	20	B
1	21	1	1	1	1	1	1	100.0%	21	D
1	22	1	1	1	1	1	B	83.3%	22	C
1	23	1	D	1	1	1	A	66.7%	23	C
1	24	1	1	1	1	1	1	100.0%	24	A
1	25	D	1	B	1	1	1	66.7%	25	C
1	26	1	1	1	1	1	1	100.0%	26	D
1	27	1	1	1	1	1	1	100.0%	27	C
1	28	1	1	1	1	1	1	100.0%	28	D
1	29	1	1	1	1	1	1	100.0%	29	B
1	30	1	1	1	1	1	1	100.0%	30	C
1	31	1	1	1	1	1	1	100.0%	31	C
1	32	1	1	1	1	1	1	100.0%	32	B
1	33	1	1	1	1	1	1	100.0%	33	D
1	34	1	1	1	1	1	1	100.0%	34	A
1	35	1	1	1	1	1	1	100.0%	35	D
1	36	1	1	1	1	1	1	100.0%	36	C
1	37	1	1	1	1	1	1	100.0%	37	C
1	38	1	1	1	1	D	1	83.3%	38	B
1	39	1	1	1	1	1	1	100.0%	39	A
1	40	1	1	1	1	1	1	100.0%	40	D
1	41	1	1	1	1	1	1	100.0%	41	A
1	42	1	1	1	1	1	1	100.0%	42	C
1	43	1	1	C	1	C	1	66.7%	43	D
1	44	1	1	1	1	C	1	83.3%	44	B
1	45	1	1	D	1	1	1	83.3%	45	B
1	46	1	1	1	1	1	1	100.0%	46	A
1	47	1	1	1	1	1	1	100.0%	47	D
1	48	1	1	1	1	1	1	100.0%	48	D
1	49	1	1	1	1	1	1	100.0%	49	C
1	50	1	1	1	1	1	1	100.0%	50	D
1	51	1	1	1	1	1	1	100.0%	51	A

1	52	1	D	1	1	1	1	83.3%	52	B
1	53	1	1	1	1	1	1	100.0%	53	A
1	54	1	1	1	1	1	1	100.0%	54	C
1	55	1	B	D	D	D	1	33.3%	55	A
1	56	1	1	1	A	1	1	83.3%	56	D
1	57	1	1	1	1	1	1	100.0%	57	C
1	58	1	1	1	D	1	1	83.3%	58	A
1	59	1	1	1	1	1	1	100.0%	59	A
1	60	1	1	1	1	1	D	83.3%	60	B
1	61	1	1	1	1	1	1	100.0%	61	B
1	62	1	1	1	1	1	1	100.0%	62	B
1	63	1	1	1	1	1	C	83.3%	63	A
1	64	1	1	1	1	1	1	100.0%	64	D
1	65	A	A	1	1	A	1	50.0%	65	B
1	66	1	1	1	1	1	1	100.0%	66	D
1	67	1	1	1	1	1	1	100.0%	67	D
1	68	1	D	1	C	1	1	66.7%	68	B
1	69	1	1	1	1	A	1	83.3%	69	C
1	70	1	1	1	1	1	1	100.0%	70	A
1	71	1	1	1	1	1	1	100.0%	71	A
1	72	D	1	1	1	1	1	83.3%	72	C
1	73	1	1	1	1	1	1	100.0%	73	B
1	74	1	1	1	1	1	1	100.0%	74	C
1	75	1	1	D	1	1	D	66.7%	75	B
1	76	N/A	1	1	1	1	1	100.0%	76	D
1	77	N/A	1	D	1	1	1	80.0%	77	C
1	78	N/A	1	1	1	1	A	80.0%	78	B
1	79	N/A	1	1	1	1	1	100.0%	79	B
1	80	N/A	1	1	1	A	1	80.0%	80	D
1	81	N/A	1	1	1	1	1	100.0%	81	C
1	82	N/A	1	1	1	1	1	100.0%	82	A
1	83	N/A	1	B	1	B	1	60.0%	83	A
1	84	N/A	1	1	1	1	1	100.0%	84	D
1	85	N/A	1	1	1	1	1	100.0%	85	C
1	86	N/A	1	1	1	A	1	80.0%	86	C
1	87	N/A	1	1	1	1	1	100.0%	87	A
1	88	N/A	1	1	1	1	1	100.0%	88	D
1	89	N/A	D	1	1	1	1	80.0%	89	C
1	90	N/A	1	C	C	1	1	60.0%	90	A
1	91	N/A	1	1	1	1	1	100.0%	91	B
1	92	N/A	1	D	1	B	1	60.0%	92	C
1	93	N/A	1	1	1	1	1	100.0%	93	D
1	94	N/A	1	1	1	1	1	100.0%	94	A
1	95	N/A	1	1	1	1	1	100.0%	95	C
1	96	N/A	1	1	1	1	1	100.0%	96	B
1	97	N/A	1	1	1	1	1	100.0%	97	B
1	98	N/A	1	C	1	1	C	60.0%	98	A
1	99	N/A	1	B	B	1	1	60.0%	99	D
1	100	N/A	1	B	1	1	1	80.0%	100	A
	93.3%		91.0%	84.0%	93.0%	88.0%	90.0%	89.9%	Overall	
	93.3%		89.3%	88.0%	93.3%	89.3%	89.3%	90.4%	RO Section	
	N/A		96.0%	72.0%	92.0%	84.0%	92.0%	87.2%	SRO Section	
	RO 1		SRO I1	SRO I2	SRO I3	SRO I4	SRO U1	AVERAGE		

NRC Examination Student Post Exam Review Comments

Individual	Comment / Response
	Exam Review 6/21/16
SRO-I1 RO 1 SRO U1	<p>Question # 13: Narrowed down to answers C or D. The wording was confusing as to whether the question was referring to some of the actions or continue with all actions. The actions to be performed are identified in Attachment 1 only and would not do other actions until we got to the step DB-OP-02000 stating to complete any required actions in accordance with identified Abnormal Procedures.</p> <p>Response: DB-OP-02541 Attachment 1 states to perform steps concurrently with DB-OP-02000 Supplemental Actions which is correct. Answer C is ruled out because the actions in Attachment 1 are not directed in the Supplemental Actions section. Question will be reviewed for enhancement to alleviate this confusion</p>
SRO I1	<p>Question # 20: What is the description for "A"? Not familiar with the scale</p> <p>Response: Read the justification to the candidate. Discussed scale overlap. No enhancement required.</p>
SRO U1	<p>Question # 49: The RCP oil pump is correct, was unsure of the turning gear oil pump.</p> <p>Response: Discussed the turning gear pump as incorrect, no enhancements required.</p>
SRO I2 SRO I3 SRO U1	<p>Question # 55: Was uncertain if a confined space rescue team would be required.</p> <p>Response: Discussed the entry into most areas would not be confined spaces and that a neutron meter is required at power. No changes required.</p>
RO 1 SRO I1 SRO U1	<p>Question # 65: Why is "A" incorrect?</p> <p>Response: Discussed the question stem statement that power has been reduced to low level limits which would allow the reactor to remain at power and only require tripping the turbine. This was not recognized by the candidates. Recommend enhancement to ensure that this condition is more obvious.</p>
SRO I3	<p>Question # 68: Why is Oxygen not a limit?</p> <p>Response: Discussed that in Mode 6 (< 250°F) this parameter is not limited. No enhancement required.</p>
SRO I2 SRO I3	<p>Question # 99: Thought that the discharge was via the storm sewer.</p> <p>Response: Discussed the question stem statement to clarify which tank is being discharged. Enhance the wording in the stem statement.</p>