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Waterford 3

**Confidential and Personally Identifiable Information (PII) Attached  
Withhold Under 10 CFR 2.390**

10 CFR 55

W3F1-2022-0019

March 15, 2022

U.S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, DC 20555-0001

Subject: Operator Post Examination Submittal  
Waterford Steam Electric Station, Unit 3 (Waterford 3)  
Docket No. 50-382  
Renewed Facility Operating License No. NPF-38

Reference: 1. NRC Letter, "Waterford Steam Electric Station, Unit 3 - Notification of  
NRC Initial Operator Licensing Examination 05000382/2021301",  
dated April 28, 2021. (ADAMS Accession No. ML21117A293)

As discussed in NRC Staff letter dated April 28, 2021 (Reference 1), Entergy is hereby submitting the post operating, administered February 21, 2022, and written test exam administered March 9, 2022, results for reactor operator and senior reactor operator licensing examination at Waterford 3.

We request that the enclosed material be withheld from public disclosure due to its personal nature, in accordance with 10 CFR 2.390(a)(6). (Enclosures submitted prior to this letter).

There are no new commitments contained in this submittal.

If you have any questions pertaining to the contents of the enclosure, please contact Mr. Robert Ledet, Training Manager, at (504) 739-6001. For any questions or concerns pertaining to regulatory compliance, please contact John Lewis, Regulatory Assurance Manager, at (504) 739-6028.

**This document contains confidential information  
to be withheld from public disclosure per 10 CFR 2.390.  
When separated from the enclosure this document is decontrolled.**

**Confidential and Personally Identifiable Information (PII) Attached  
Withhold Under 10 CFR 2.390**

Respectfully,



Manager, Training & Development

  
Facility Reviewer

RML/RP//IIb

Enclosure 1: Post Examination Results

(w/o Enclosure)

cc: NRC Region IV Operator Licensing Assistant  
Jennifer.Bridges@nrc.gov

Chief Examiner, NRC Region IV Operator Licensing  
Kelly.Clayton@nrc.gov

cc: (w/o Enclosure)

Waterford 3 NRR Project Manager  
NRC Senior Resident Inspector, Waterford 3

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# Questions asked and answers given during the 2022 NRC Written Exam

RO 24                      Do I assume parameters are instantaneous? He then stated that he would assume instantaneous to answer the question. No further information was provided.

RO 44                      - Stated that none of the lights are red. No further information provided.

RO 65                      - Title of EN-OP-115-08 not provided in stem. Title was provided to the entire group verbally and wrote on write board.

X RO 70                      - Asked, "Is this per a procedure". No further information provided.

X RO 21                      - Are we getting anything about Iodine? No further information provided.

RO 83                      - Is there a reference provided this question. Informed that a reference is not provided.

SRO 95                      - Do you assume visual for source range is operable? No further information provided since the stem has the information required to answer the question.

RO 8                        - Asked "Are we talking about that specific channel". No additional information provided.

RO 41                      - Asked "Do I assume no other malfunctions except In-hold-out switch". No further information provided. Applicant stated they would only assume the switch has failed.

RO 37                      - Asked "what deliverable flow means". Dictionary was accessible during the exam. No further information provided.

Question #	Answer	88.00	88.00	85.33	88.00	100.00	84.00	84.00	100.00	100.00	84.00	84.00	86.67	86.67	84.00	86.67	MISSED	RO Only Avg	SRO Ovr Avg	SRO only Avg
RO SRO OVR		88.00	88.00	85.33	88.00	100.00	84.00	84.00	100.00	100.00	84.00	84.00	86.67	86.67	84.00	86.67		87.33	84.80	82.40
1	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	0.0%			
2	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	0.0%			
3	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	11.1%			
4	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	0.0%			
5	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	11.1%			
6	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	11.1%			
7	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	0.0%			
8	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	11.1%			
9	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	11.1%			
10	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	0.0%			
11	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	0.0%			
12	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	11.1%			
13	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	22.2%			
14	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	0.0%			
15	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	33.3%			
16	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	0.0%			
17	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	22.2%			
18	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	0.0%			
19	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	0.0%			
20	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	22.2%			
21	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	11.1%			
22	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	11.1%			
23	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	22.2%			
24	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	0.0%			
25	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	0.0%			
26	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	11.1%			
27	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	77.8%			
28	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	22.2%			
29	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	0.0%			
30	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	0.0%			
31	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	0.0%			
32	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	0.0%			
33	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	0.0%			
34	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	0.0%			
35	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	0.0%			
36	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	55.6%			
37	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	22.2%			
38	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	11.1%			
39	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	66.7%			
40	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	11.1%			
41	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	0.0%			
42	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	22.2%			
43	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	33.3%			
44	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	11.1%			
45	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	44.4%			
46	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	55.6%			
47	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	11.1%			
48	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	11.1%			

[illegible]

### Questions asked After Grading (Post Exam Review Questions)

Question 21. (Name redacted)- He stated that the requirements given in the stem are not all of things that have to be verified. Why didn't we list them all in the stem? He was told that he was given a partial listing and choices only related to what was provided in the stem. He asked about Iodine not being mentioned and was told that Iodine was also not a choice for a distractor. The information related to iodine removal was not required to identify the correct answer from the choices given.

Question 37. (name redacted) – Questioned the logic for the pump start based on initiation of the EFW signal. A logic diagram, from the referenced lesson plan, was used to explain why the provided answer is correct. Student was satisfied with the response.

Examination Number: C24 Initial License Exam Examination Date: 3/9/22Total Number of Examinees: 9

Examination Bank Training Discipline: (Check one)

- |                                     |  |   |                                     |
|-------------------------------------|--|---|-------------------------------------|
| <input type="checkbox"/> Chemistry  | <input type="checkbox"/> Maint. Fundamentals   | <input type="checkbox"/> Radiation Protection | <input type="checkbox"/> ESP        |
| <input type="checkbox"/> Electrical | <input checked="" type="checkbox"/> Operations | <input type="checkbox"/> GET                  | <input type="checkbox"/> Instructor |
| <input type="checkbox"/> I & C      | <input type="checkbox"/> Operations NRC Exam   | <input type="checkbox"/> Fire Brigade         | <input type="checkbox"/> GFES       |
| <input type="checkbox"/> Mechanical | <input type="checkbox"/> Simulator             | <input type="checkbox"/> E-Plan               | <input type="checkbox"/> Other      |

Problem Codes:

- 1 The question is ambiguous.
- 2 The question has more than one correct answer.
- 3 The question does not have a correct answer.
- 4 The question does not represent the objectives taught.
- 5 The question is at a higher cognitive level than was taught.
6. The answer key is incorrect.
7. Not a training problem; valid question/answer
8. Other \_\_\_\_\_

Question # on Exam / in Bank	% of Trainees Missed	Problem Code	Instructor Recommendation	Supervisor Resolution	Supv. Initials
27	77.8	7	Material is covered in WLP-OPS-RMS00. No changes recommended.	CONCUR	MC
36	55.6	7	WLP-OPS-PPE07 covers the material. The concept is also covered in WLP-OPS-FWC00. No changes recommended.	CONCUR	MC
39	66.7	7	WLP-OPS-AIR00 and WLP-OPS-FW covers the required information to answer this question. No changes required.	CONCUR	MC
46	55.6	7	WLP-OPS-FP00 and FP-001-020, provide guidance and information to answer the question. No changes recommended.	CONCUR	MC
70	88.9	7	WLP-OPS-PPA00 and GET provide the knowledge required to answer this question. No changes recommended.	CONCUR	MC
71	66.7	7	OI-038-000 definition. No changes recommended.	CONCUR	MC
83	60 (3/5 SRO)	7	Material covered in WLP-OPS-PPO10. No changes recommended.	CONCUR	MC
96	60 (3/5 SRO)	7	WPPT-OPS-PPA00, Admin. workbook, covers the required information. No changes recommended.	CONCUR	MC

☐ Additional page(s) attached

END OF DOCUMENT

ENTERGY NUCLEAR			Page 1
E-DOC TITLE:	E-DOC NO.	REVISION NO.	
POST EXAMINATION ANALYSIS	TQF-201-EV02	2	