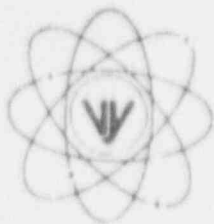


# VERMONT YANKEE NUCLEAR POWER CORPORATION



RD 5, Box 169, Ferry Road, Brattleboro, VT 05301

February 21, 1992

TDL 92-05  
BVY 92-20

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United States Nuclear Regulatory Commission  
One White Flint North  
Document Control Desk  
Washington, DC 20555

Attention: Mr. Samuel Hansell, Lead Examiner  
USNRC Region I

References: a) License No. DPR-28 (Docket No. 50-271)  
b) NUREG 1021, Operator Licensing Examiner Standards

Subject: Licensed Operator Requalification (LOR)

Dear Mr. Hansell:

A licensed operator requalification examination was jointly administered to twelve license holders at the Vermont Yankee Training Center and Station by the USNRC and the licensee during the week of February 10, 1992. Pursuant to Section ES-601 of reference b, the Vermont Yankee Training Department conducted an LOR training program evaluation. Vermont Yankee's evaluation results are enclosed.

If you have any questions regarding these results, please contact me. Thank you.

Very truly yours,

Mark L. Mervine  
Training Manager

Enclosure

cc: USNRC Regional Administrator - Thomas T. Martin  
USNRC Project Manager - Patrick M. Sears - VYNPS  
USNRC Resident Inspector - Harold Eichenholtz - VYNPS

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## REQUALIFICATION PROGRAM EVALUATION BASED ON 1992 EXAMINATION

### 1. Individual Examination Results

	<u>RO</u> <u>Pass/Fail</u>	<u>SRO</u> <u>Pass/Fail</u>	<u>TOTAL</u> <u>Pass/Fail</u>
Written	4/0	8/0	12/0
JPM/Walkthrough	4/0	8/0	12/0
Simulator	4/0	8/0	12/0
Overall	4/0	8/0	12/0

### 2. Crew Examination Results

3 of 3 Crews Passed

### 3. Program Evaluation Results

The facility performed an evaluation of the requalification program based on the facility's examination results. The criteria for program evaluation as specified in ES-601 was used where appropriate. The sample size (12) met the minimum requirement of ES-601. The facility results are:

- All three crews passed the simulator portion of the examination.
- 100% of the operators passed the written examination.
- 100% of the operators passed the simulator portion of the examination.
- 100% of the operators passed the JPM portion of the examination.
- All operators were trained and evaluated in all positions permitted by their individual licenses.
- Based on feedback from operators, facility observers, and the NRC team, it is felt that all the facility evaluators performed in a satisfactory manner.
- Common weaknesses on JPM's are as follows:
  - 75% of the operators administered JPM 20106 had difficulty shifting CRD flow control valves
  - 50% of the operators administered JPM 26407 had difficulty controlling VARS when the diesel was running in parallel
- Common weaknesses on the written examinations are as follows:
  - 42% of the operators missed question number two (2) on static simulator scenario 1. (Response of recirc system valves to LPCI Logic)
  - 75% of the operators missed question number thirteen (13) on static simulator scenario 1. (Systems available for continued use in alternate level control)

### 3. Program Evaluation Results (cont'd)

- 33% of the operators missed question number three (3) on static simulator scenario 2. (LPCI system response to a LOCA with a DC bus de-energized)
- 42% of the operators missed question number five (5) on static simulator scenario 2. (Feedwater level control system failure)
- 33% of the operators missed question number ten (10) on the classroom examination. (Electrical safety requirements when opening a 480 V breaker)

The Simulator portion of the operating examination revealed the following weaknesses. These identified weaknesses will be addressed.

- Crews failed to recognize the significance of multiple flowpaths in the RHR system when injection was necessary
- Delays were noted between the time reactor level reached TAF and RPV-ED was actually initiated
- Two Shift Supervisors had minor difficulties in interpreting Technical Specifications
- A Shift Supervisor failed to enter the level/power control leg of OE-3102 during an ATWS condition

### 4. Written Examination Results

The written examination completion times fell within the guidelines of ES-602.

	<u>Classroom</u>	<u>Static I</u>	<u>Static II</u>
<u>Operator Average</u>	116 minutes	56 minutes	54 minutes

#### INDIVIDUALS WRITTEN EXAMINATION RESULTS

<u>Operator</u>	<u>Section A points</u>	<u>Section B points</u>	<u>Overall Score %</u>
Amirault	23 of 26	29 of 30	92.9%
Aprea	23 of 26	29 of 30	92.9%
Cavanaugh	20 of 26	28 of 30	85.7%
Deer	21 of 26	26 of 30	83.9%
Faupel	21 of 26	28 of 30	87.5%
Herron	25 of 26	30 of 30	98.2%
Keith	25 of 26	28 of 30	94.6%
LaPorte	25 of 26	28 of 30	94.6%
Metcalf	23 of 26	29 of 30	92.9%
Oliver	23 of 26	30 of 30	94.6%
Paul	25 of 26	26 of 30	91.1%
Schulze	21 of 26	29 of 30	89.3%

5. Walkthrough/JPM Examination Results

<u>Operator</u>	<u>JPM</u>	<u>Questions</u>	<u>Score %</u>
Amirault	10 of 10	19 of 20	98.8%
Apra	9 of 10	19 of 20	91.3%
Cavanaugh	10 of 10	18 of 20	97.5%
Deer	8 of 10	18 of 20	82.5%
Faupel	10 of 10	17 of 20	96.3%
Herron	10 of 10	18 of 20	97.5%
Keith	9 of 10	19 of 20	91.3%
LaPorte	8 of 10	19 of 20	83.8%
McCall	10 of 10	20 of 20	100%
Oliver	10 of 10	20 of 20	100%
Paul	10 of 10	18 of 20	90.0%
Shulze	10 of 10	18 of 20	95.0%

6. Recommendations for Improvement

JPM Evaluation

- Simulator setup does not always include all the required malfunctions and plant conditions for the JPM to be performed
- JPM's are inconsistent about how actions are verified

Simulator Evaluation Guide

- The size of the simulator scenario bank should be increased as necessary to meet the requirements to have a minimum of 30 scenarios and to cover all legs of the EOP's