

May 11, 2001

Mr. Robert J. Barrett  
Vice President Operations  
Entergy Nuclear Northeast  
Indian Point 3 Nuclear Generating Unit 3  
Post Office Box 308  
Buchanan, NY 10511

SUBJECT: INDIAN POINT 3 REACTOR OPERATOR AND SENIOR REACTOR  
OPERATOR INITIAL EXAMINATION REPORT NO. 05000286/2001-301

Dear Mr. Barrett:

This report transmits the results of the reactor operator (RO) and senior reactor operator (SRO) licensing examination conducted by the NRC during the period of March 17-28, 2001. This examination addressed areas important to public health and safety and was developed and administered using the guidelines of the "Examination Standards for Power Reactors" (NUREG-1021, Revision 8).

Based on the results of the examination, all thirteen applicants passed all portions of the examination. The thirteen applicants included 10 ROs, 2 instant SROs and 1 upgrade SRO. Examination results indicated that the applicants were well prepared for the examination. Mr. Paul Bissett discussed performance insights observed during the examination with Mr. F. Wilson and others on March 28, 2001. On April 20, 2001, final examination results, including individual license numbers, were given during a telephone call between Mr. P. Bissett and Mr. J. Wheeler on April 20, 2001.

In accordance with 10 CFR 2.790 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). These records include the final examination and are available in ADAMS (PACKAGE accession numbers ML 003770759, ML011280089, ML011280099, ML011280107, ML011280133, and ML011280417.). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/NRC/ADAMS/index.html> (the Public Electronic Reading Room).

Should you have any questions regarding this examination, please contact me at (610) 337-5183, or by E-mail at [RJC@NRC.GOV](mailto:RJC@NRC.GOV).

Sincerely,

/RA/

Richard J. Conte, Chief  
Operational Safety Branch  
Division of Reactor Safety

Mr. Robert J. Barrett

2

Docket No. 05000286

License No. DPR-64

Enclosure: Initial Examination Report No. 05000286/2001-301 w/Attachments 1-2

cc w/encl:

J. Yelverton, Chief Executive Officer

M. Kansler, Chief Operating Officer

J. Knubel, Vice President Operations Support

F. Dacimo, General Manager, Plant Operations

H. P. Salmon, Jr., Director of Oversight

D. Pace, Vice President - Engineering

J. Kelly, Director - Licensing

Bob Christman, Manager, Operator Training

C. D. Faison, Licensing

K. Peters, Licensing Manager

A. Donahue, Mayor, Village of Buchanan

J. McCann, Nuclear Safety and Licensing

C. Donaldson, Esquire, Assistant Attorney General, New York Department of Law

Chairman, Standing Committee on Energy, NYS Assembly

Chairman, Standing Committee on Environmental Conservation, NYS Assembly

T. Morra, Executive Chair, Four County Nuclear Safety Committee

Chairman, Committee on Corporations, Authorities, and Commissions

The Honorable Sandra Galef, NYS Assembly

P. D. Eddy, Electric Division, New York State Department of Public Service

W. Flynn, President, New York State Energy Research  
and Development Authority

J. Spath, Program Director, New York State Energy Research  
and Development Authority

C. Hehl, SRC Consultant

C. Terry, Niagara Mohawk Power Corporation

R. Toole, SRC Consultant

R. Schwarz, SRC Consultant

County Clerk, West Chester County Legislature

A. Spano, Westchester County Executive

R. Bondi, Putnam County Executive

C. Vanderhoef, Rockland County Executive

J. Rampe, Orange County Executive

T. Judson, Central NY Citizens Awareness Network

M. Elie, Citizens Awareness Network

Mr. Robert J. Barrett

3

Distribution w/encl; w/Attachments 1-2:  
Region I Docket Room (with concurrences)  
P. Drysdale, SRI- NRC Resident Inspector  
W. Lanning, DRS  
P. Bissett, Chief Examiner, DRS  
DRS Master Examination File  
DRS OL Facility File  
DRS File  
H. Miller, RA  
J. Wiggins, DRA  
J. Shea, RI EDO Coordinator  
E. Adensam, NRR  
G. Wunder, NRR  
P. Milano, NRR  
L. Burkhart, NRR  
C. Cowgill, DRP  
R. Summers, DRP  
K. Jenison, DRP  
T. Haverkamp, DRP  
R. Martin, DRP

DOCUMENT NAME: G:\OSB\BISSETT\IP3EXMRPT01301.WPD

After declaring this document "An Official Agency Record" it **will** be released to the Public.

To receive a copy of this document, indicate in the box: "C" = Copy without attachment/enclosure "E" = Copy with attachment/enclosure "N" = No copy

OFFICE	RI/DRS		RI/DRP		RI/DRS		RI/DRS		
NAME	PBissett		RSummers		RConte		CBuracker		
DATE	05/10/01		04/27/01		04/30/01		05/10/01		

OFFICIAL RECORD COPY

U. S. NUCLEAR REGULATORY COMMISSION

REGION I

Docket No: 05000286

License No: DPR-64

Report No: 05000286/2001-301

Licensee: Entergy Nuclear Northeast

Facility: Indian Point 3 Nuclear Power Station

Location: Post Office Box 215  
Buchanan, NY 10511

Dates: March 17, 2001 (Written Examination Administration)  
March 19-28, 2001 (Operating Test Administration)  
April 2-13, 2001 (Examination Grading)

Examiners: P. Bissett, Senior Operations Engineer (Chief Examiner)  
J. D'Antonio, Operations Engineer  
S. Dennis, Operations Engineer

Approved By: Richard J. Conte, Chief  
Operational Safety Branch  
Division of Reactor Safety

## SUMMARY OF FINDINGS

IR 05000286/2001-301; March 17-28, 2001; Indian Point 3 Nuclear Power Plant; Initial Operator Licensing Examination. Thirteen applicants (10 reactor operators, 2 SRO instants, and one SRO upgrade) passed the examination.

The examination was conducted by three NRC region-based examiners. There were no inspection findings associated with the examination.

## Report Details

### 1. **REACTOR SAFETY**

#### Mitigating Systems - Reactor Operator (RO) and Senior Reactor Operator (SRO) Initial License Examination

##### a. Scope of Review

The NRC examination team developed the written and operating initial examination and together with IP3 training and operations personnel verified or ensured, as applicable, the following:

- The examination was prepared and developed in accordance with the guidelines of Revision 8 of NUREG-1021, "Operator Licensing Examination Standards for Power Reactors" and it met the overall quality goals (range of acceptability) of these standards. The review was conducted both in the Region I office and at the IP3 plant and training facility. Final resolution of comments and incorporation of test revisions was conducted during and following the onsite preparation week.
- Simulation facility operation was proper.
- Facility licensee completed a test item analysis on the written examination for feedback into the systems approach to training program.
- Examination security requirements were met.

The NRC examiners administered the operating portion of the examination to all applicants from March 19-28, 2001. The written examination was previously administered by the Indian Point 3 training staff on March 17, 2001.

##### b. Observations

#### Grading and Results

All thirteen applicants (3 SROs and 10 ROs) passed all portions of the initial licensing examination.

The facility had two post-examination comments (see Attachments 1 and 2).

#### Examination Preparation and Quality

The examination was within the acceptable range.

#### Examination Administration and Performance

One simulator fidelity issue was identified and is detailed in the enclosed Simulation Facility Report.

#### 4OA6 Exit Meeting Summary

On April 20, 2001, the NRC provided conclusions and examination results to Indian Point 3 management representatives via telephone. License numbers for all thirteen applicants were also provided during this time.

The NRC expressed appreciation for the cooperation and assistance that was provided during the preparation and administration of the examination by the licensee's training staff.

## KEY POINTS OF CONTACT

INDIAN POINT 3 NUCLEAR POWER PLANT

F. Wilson	Manager, Operator Training
T. Jenkins	Instructor, Operator Training
C. Embry	Senior Licensed Operator, Operations

NRC

P. Bissett	Senior Operations Engineer
J. D'Antonio	Operations Engineer
S. Dennis	Operations Engineer

## LIST OF ITEMS OPENED, CLOSED, AND DISCUSSED

<u>ITEM NUMBER</u>	<u>TYPE</u>	<u>DESCRIPTION</u>
--------------------	-------------	--------------------

NONE



---

ES501 Simulation Facility Report

---

Facility Licensee: Indian Point 3

Facility Docket No: 50-286

Operating Tests Administered on: March 19-28, 2001

This form is to be used only to report observations. These observations do not constitute audit or inspection findings and, without further verification and review, are not indicative of noncompliance with 10 CFR 55.45(b). These observations do not affect NRC certification or approval of the simulation facility other than to provide information that may be used in future evaluations. No licensee action is required in response to these observations.

While conducting the simulator portion of the operating test, examiners observed the following item:

ITEM

DESCRIPTION

Turbine Runback

During a scenario involving an RCS T-cold channel failing high, this failure caused a turbine runback in the simulator which should not have occurred. The problem appeared to result from the timing of scanning inputs on the simulator such that the simulator saw the Hi Tave resulting from the failure before it saw Delta T decrease due to the same failure, thereby generating an inappropriate OP or OT Delta T runback.

**Attachment 1**

**LICENSE POST-EXAMINATION COMMENTS**

**ADAMS Accession number for this document is ML011340105**

## **Attachment 2**

### **LICENSEE POST-EXAMINATION COMMENTS AND NRC RESOLUTION**

#### **Question #1 (RO)**

Comment: This question is essentially identical to Question 29 on the SRO examination. The only difference is distracters "a" & "c" are swapped. The correct answer is to Restore 34 RCP to operation OR be in MODE 3 within 6 hours. On the SRO examination, this is distracter "a"; on the RO examination, it is distracter "c." The RO answer key identified "a" as the correct answer, when "c" is the correct answer.

NRC Resolution: Recommendation accepted. RO answer key was incorrect. Correct answer will be changed from "a" to "c."

#### **Question #82 (RO)**

Comment: The answer key for this question identifies distracter "a" as the correct answer. A review of AP-10.1 clearly identifies "d" as the only correct answer.

4.7.3.5 IF a Test & Maintenance tag is applied to a component, THEN no other tag may be hung on that component. (Pg. 23)

4.7.2.4 Use of Hold and Cautions Tags on the same component is permissible. (Pg 22)

NRC Resolution: Recommendation accepted. RO answer key was incorrect. Correct answer will be changed from "a" to "d."