



GE Nuclear Energy

Edward Ehrlich
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EHE2000-007
November 21, 2000

Mr. Warren J. Eresian
United States Nuclear Regulatory Commission
Chief Examiner
Events Assessment, Generic Communications and Non-Power Reactors Branch
Office of Nuclear Reactor Regulation
Washington, D.C. 20555-0001

50-73

Subject: Operator License Examination for Mr. Tim Peterson

References: 1. NRC letter W. Eresian (NRC) to E. Ehrlich (GE) dated October 16, 2000.

Dear Mr. Eresian

This letter is in response to your reference 1 letter.

Attached is the current NTR SRO/RO study plan which provides the applicable NTR information items requested in your reference 1 letter.

I believe Mr. Marvin Mendonca should have all NTR Operator License test preparation reference documents which were forwarded by the enclosed GE to NRC letter copies, and used by Mr. Marvin Mendonca for preparation of my SRO License Examination in September of 1999. Those letters also identify all documents applicable for NTR SRO/RO operator qualification. The attached SRO/RO study plan also identifies those documents applicable only to the SRO training and qualification and which we consider, consistent with 10CFR50.55, would not be part of Mr. Peterson's RO examination.

The cited and applicable documents remain the same and therefore should already be in the NRC's possession. Therefore it would save GE significant time and costs if you could access those within your organization from Mr. Mendonca. If you find then that you do not have any of the documents your need for Mr. Peterson's examination, please call and I will expedite reproduction and transmittal of any outstanding documents to you.

If you have any questions concerning this transmittal, please contact me at (925) 862-4533 or Chris Hamilton at (925) 862-4455.

Sincerely yours,

Edward J Ehrlich

Manager, NTR

Enclosures:

1. NTR SRO/RO Study Plan
2. Letter Murray (GE) to Eresian (NRC) dated June 21, 1999
3. Letter Murray (GE) to Eresian (NRC) dated July 8, 1999

Cc: Marvin Mendonca (NRC)

M003

NTR SRO/RO Study Plan

Training Process:

1. Reading Assignment – Systems and Equipment Information, Technical Principles, Principles of Operation, and Procedures
2. Demonstration, Discussions
3. Walkthrough or Performance of Operational Procedures - Under Instruction
4. Verbal and/or Written Testing
5. Supplemental (remedial if req'd) Reading, Practice Evolutions or Testing

Learning Objectives:

System Purpose, Physical Arrangement, Technical Principles and Principles of Operation per S.O.P., Safety and/or Operational Setpoints
Operational, Maintenance, and Administrative requirements and procedures
Abnormal and emergency conditions immediate actions
S.A.R. and Technical Specifications - Safety analysis basis, Limiting conditions of operation, and technical specifications limits and setpoints - *(SRO only)*

Module 1

Site Indoctrination and Site Tour

Radiation Safety, Hazardous material and Explosives Safety Tapes

Site Alarms, Announcements, and Evacuation Routes

Site Organizations and Facilities Review

NTR Facility Walkthrough Control Room, Reactor Cell, South Cell, North Room, Mezzanine, Setup Room, Shop, Photo Lab and Equipment, Storage

Radiological Safety SOP 7.0 (7.1-7.7 and 7.9 –7.15) Radiation Controls Requirements 10CFR20 requirements

Radiological Operations tasks and Demonstrations and Walkthroughs

Radiation Monitoring and Measurement Devices and Use Training

Testing for RSVNC /NTR Radiation worker qualification

Module 2 - (For Radiographer only - N/A to NRC operator license)

Hazardous and Explosive Material and Safety Review

Explosive material types, packaging and labeling requirements, and customer parts accountability

Module 3

Primary and Secondary Coolant Systems SOP 1.0 (1.1-1.5)

Auxiliary Systems SOP 5.0 (5.1-5.5 and 5.7)

Module 4

Nuclear Reactor Safety and Technical Principles

Reactor Physics – NTR Reactor Physics Training Manual Rev. 0 Feb 1993

Module 5

Reactor Instrumentation **SOP 2.0** (2.1-2.8)

Module 6

Reactor Control Systems **SOP 3.0** (3.1-3.7)

Module 7

Operational Summary, Startup Checks and Reactor Startup **SOP 6.0** (6.1-6.10)

Radiography Setups, Exposures, Exposure Controls

PROGRESS CHECK – SCHEDULE VERIFICATION or REPLAN

Module 8

Abnormal and Emergency Procedures **SOP 8.0** (8.1-8.5)

Module 9

Administrative Procedures **SOP 9.0** (9.1-9.17)

Operator Requalification Program Requirements

Regulatory Compliance /QA Oversight, Monitoring and Audits (*SRO only*)

Module 10

Safety Analysis Report (**SAR**) Review (*SRO only*)

Module 11

Technical Specifications (**SAR**) Review (*SRO only*)

Module 12

VNC Site Emergency Plan and Procedures – Overview /Scope of Security Plan (*SRO only*)

Module 13

Experimental and Neutrography Operations **SOP 10.0** (10.1.-10.7, 10.9-10.10)

Module 14

Code of Federal Regulations – applicable sections (*SRO only*)

PROGRESS CHECK – CONFIRMATION OF SCHEDULING for TESTING AND SRO/RO LICENSE EXAMINATION

Module 15

Maintenance and Preventative Maintenance **SOP 12.0**

Module 16

Integrated Operations and SRO Examination Prep and Review



General Electric Company
Vallecitos Nuclear Center
6705 Vallecitos Road, Sunol, CA 94586

June 21, 1999

U.S. Nuclear Regulatory Commission
ATTN: Warren Eresian
Mail Stop 11 D19
Licensing Examiner
Washington, D.C. 20555-0001

Reference: License R-33, Docket 50-73

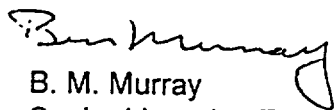
Dear Warren:

Enclosed please find the following documents for the GE Nuclear Test Reactor, License R-33, Docket 50-73:

- Standard Operating Procedures, Chapters 1-10 & 12 (there is no Chapter 11)
- License and Technical Specifications
- Safety Analysis Report
- Emergency Plan

These materials are being transmitted to you in anticipation of the administration of a Senior Reactor Operator's license examination for E.H. Ehrlich. His application will be forwarded separately. We would appreciate your scheduling this examination at your earliest convenience. We are very tentatively looking at mid-August at the earliest. We will contact you later to establish a mutually agreeable schedule for the examination. Thank you.

Sincerely,


B. M. Murray
Senior Licensing Engineer
(925) 862-4455

Enclosures



General Electric Company
Vallecitos Nuclear Center
6705 Vallecitos Road, Sunol, CA 94526

July 8, 1999

U.S. Nuclear Regulatory Commission
ATTN: Warren Eresian, Licensing Examiner
Mail Stop 11D19
Washington, D.C. 20555-0001

Reference: License R-33, Docket 50-73

Dear Mr. Eresian:

During the telephone conversation you had with Denny Smith earlier this week (July 6 or 7), it was mentioned that it may be helpful for the NRC to have a copy of the training manual used by the GE Nuclear Test Reactor for basic reactor physics. Enclosed is the manual. If you have further comments or questions, please contact me at any time.

Very truly yours,

B. M. Murray
Senior Licensing Engineer
(925) 862-4455

cc: C. W. Bassett
D. R. Smith