



**GPU Nuclear Corporation**

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April 26, 1984

Dr. Thomas E. Murley, Administrator  
Region I  
U.S. Nuclear Regulatory Commission  
631 Park Avenue  
King of Prussia, PA 19406

Dear Dr. Murley:

Subject: Oyster Creek Nuclear Generating Station  
Docket No. 50-219  
Radiological Support Technician Training Program

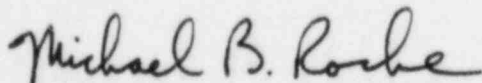
The purpose of this letter is to submit a copy of the Radiological Support Technician Training Program summary for the NRC's information. This submittal fulfills Inspector Follow-Up Item 50-219/84-02-01 whereby GPU Nuclear was to provide a copy of this program to the Region I Administrator by May 1984.

The subject program establishes the minimum theoretical and practical ability requirements for Radiological Support Technicians. The training program consists of the initial training of selected Radiological Support Technicians and a cyclic training program for qualified personnel.

In addition to Oyster Creek, this program is also utilized at Three Mile Island units 1 and 2. Therefore, a copy of this program summary should be filed with Docket No. 50-289 (TMI-1) and Docket No. 50-320 (TMI-2).

If you have any questions, please contact me or Mr. Michael B. Roche of my staff at (201)263-6630.

Very truly yours,

*for*   
R.W. Heward, Jr., Vice President  
Radiological & Environmental Controls

RWH:RPJ:dam  
Attachment

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PDR ADOCK 05000219  
Q PDR

## RADIOLOGICAL CONTROLS SUPPORT TECHNICIAN

### QUALIFICATION/TRAINING STANDARD

The purpose of this program is to establish qualification standards for Radiological Support Technicians at Oyster Creek and Three Mile Island. This program includes the minimum theoretical and practical ability requirements, specified in Appendix A, to assure assigned personnel understand their general and specific radiological support duties.

Contractor personnel are used to fulfill manpower needs during periods of fluctuating radiological workloads. Contractor personnel are required to meet the same training requirements as Company personnel. In some instances, Contractor personnel are hired to perform well defined functions and in these instances only specific training is given. In these instances, the following will apply.

1. Their services are performed as defined by the Radiological Support Manager or his designee, and
2. They receive training applicable to their duties as specified by the Radiological Support Manager, and
3. They will demonstrate proficiency in those specific duties prior to independent performance of those duties.

The training program consists of training of selected Radiological Control support technicians in accordance with Appendix A. A practical factors evaluation and a cyclic training program are also included. Practical factors tasks are completed per the designated performance made and are signed off by a group supervisor when successfully and satisfactorily performed. The cyclic training material is based on, but not limited to:

1. Areas where weaknesses in performance have been noted.
2. Areas where regulations and/or procedures have changed.
3. Areas where increased depth in academic understanding will improve performance.
4. Areas where requalification training requirements exist.

Written qualification and biennial requalification examinations will be administered for all levels. Oral board examinations will also be administered to determine ability to respond to unusual situations.

A training record shall be maintained for each individual including:

1. Written examinations/re-examinations.
2. All completed practical factor worksheets.
3. Summary statement of oral board results.
4. Certificate of qualification.
5. Records of qualification of contractor personnel temporarily employed including resumes of previous experience.

## APPENDIX A

### Initial Training Course

#### Radiological Support Technician

##### PURPOSE

The purpose of this initial training course is to provide the new Radiological Support Technician with the technical background information needed to perform routine Radiological Support duties while gaining the remaining portions of his/her training on the job. Upon successful completion of this program, the Technician will be capable of providing meaningful support and assistance to the Radiological Support Program at the Oyster Creek Nuclear Generating Station.

##### SCOPE

The requirements of this program apply to all Radiological Support Technician trainees. The program consists of planned lectures and practical exercises.

The program is broken into three areas of study:

1. Basic Health Physics
2. Dosimetry and Whole Body Counting
3. Respiratory Protection

The basic health physics lessons will be primarily classroom instruction, while the dosimetry and respiratory protection lessons will consist of a mixture of classroom and practical exercises. The information learned in the classroom and during the practical exercises will then be applied in completion of practical factors qualification.

##### TOPICS OUTLINE

###### A. Basic Health Physics

1. Mathematics
2. Calculation
3. Basic nuclear physics
4. Radioactivity
5. Radioactive decay
6. Interaction with matter
7. Terms and units
8. Biological effects of radiation
9. External radiation exposure

10. Internal radiation exposure
11. Regulations (10 CFR 19 and 20, Reg. Guides, and ANSI standards)
12. Instrumentation

B. Dosimetry and Whole Body Counting

1. Dosimetry theory
2. Dosimetry issue and procedures
3. TLD reader, theory operation and procedures.
4. Whole body counter, theory operation and procedures
5. Dosimetry, TLD calibration theory and procedures
6. Dosimetry investigation and Unusual Incident Reports

C. Respirator Protection

1. Respirator theory and regulations
2. Respirator Fit theory, operation and procedures

cc: Mr. J. Lombardo  
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7920 Norfolk Avenue  
Bethesda, MD 20014

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NRC Resident Inspector  
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