



### 3-Day Short Course

## Effective Assessments of Radiological Control Programs

September 20-22, 2021 ♦ "Live" Online Instruction

### Course Description

This 3-day course will enable participants to correctly identify strengths and weaknesses of radiological protection programs with specific guidance provided on improving operational radiation protection performance in all major areas. Although preventing regulatory violations is a key course objective, participants will be given guidance on evaluating the efficient use of resources (instrumentation, procedures, staffing, etc.). Current regulatory philosophy on radiation protection programs will be addressed with emphasis on minimum program qualifications, "fatal flaws," performance indicators, management qualities, and response to special problems. The course will conclude with a review of proper documentation of appraisals and corrective actions, tracking systems, and follow-up evaluations.

### APPRAISE HP PROGRAMS EFFECTIVELY AND CONFIDENTLY BY...

- ♦ Learning critical interpersonal skills necessary to gain cooperation and respect during appraisals.
- ♦ Identifying program strengths and weaknesses through proper trend analysis of data.
- ♦ Using objective performance indicators to key-in on problem areas and critical program flaws.
- ♦ Identifying the elements of an effective corrective action plan that satisfy regulatory requirements.
- ♦ Placing proper emphasis and priority on significant findings through daily debriefings and tactful exit interviews.

### Course Instructor

**DR. RODICAN P. REED** has over 30 years of experience in health physics. From 1992 to 2007, he was a Senior Health Physicist at the U.S. Nuclear Regulatory Commission (NRC) Technical Training Center. At NRC, he provided health physics training to NRC inspectors, Agreement State inspectors, and other Federal agencies. He was responsible for the uranium fuel cycle technology training curriculum, including uranium mining and milling, health physics, nuclear criticality safety, fire protection, integrated safety analyses (ISA's), and uranium enrichment technologies. He trained fuel facility inspectors and license reviewers as part of the inspector qualification program. He briefed NRC Commissioners, the Office of the Inspector General (OIG), the Atomic Safety and Licensing Board Panel (ASLBP), and the news media, in radiation protection and uranium fuel cycle technology. He developed post-graduate training in radiation protection for the International Atomic Energy Agency (IAEA), which is now in use world-wide. He trained NRC and Agreement State health physics inspectors in the new 10 CFR Part 20. He developed and presented training on health physics for the proposed high-level waste geologic repository at Yucca Mountain. He is certified by the American Board of Health Physics (ABHP) and is a member of the American Academy of Health Physics (AAHP). Most recently, he was a member of the History Committee of the Health Physics Society (HPS). He is also a past member of the HPS Continuing Education Committee and the Professional Development Committee of the AAHP. He has published papers in health physics, made numerous technical presentations, and prepared input to environmental impact statements (EIS's) for TVA's nuclear power plants and proposed coal gasification facility. He has a B.S. in Physics (1971), M.S. in Nuclear Engineering (1973), and Ph. D. in Health Physics (1977), all from Georgia Tech.

### ASSESSMENT OBJECTIVES

- ◆ Demonstrating regulatory compliance
- ◆ Identifying program strengths & weaknesses
- ◆ Evaluating efficient use of resources
- ◆ Highlighting program weaknesses
- ◆ Initiating corrective actions
- ◆ Preventing regulatory violations

### STANDARDS AND GUIDELINES FOR PROGRAM ASSESSMENT

- ◆ Regulatory guidance
- ◆ Peer group input
- ◆ Functional elements of an effective program
- ◆ Program organization & administration
- ◆ Personnel qualifications & training
- ◆ Program personnel
- ◆ General employees
- ◆ External radiation control
- ◆ Internal radiation control
- ◆ Instrumentation & equipment
- ◆ Solid radioactive waste
- ◆ Personnel dosimetry
- ◆ Radioactive contamination control

### APPRAISER QUALIFICATIONS

- ◆ Academic
- ◆ Work experience
- ◆ Special qualifications

### APPRAISAL ORGANIZATION

- ◆ Independent third party overview
- ◆ Reporting relationships
- ◆ Corporate oversight vs outside consultants
  - Advantages
  - Disadvantages
- ◆ Appraisal Scope

### APPRAISER/APPRAISEE RELATIONS

- ◆ Setting proper appraisal environment
- ◆ Teamwork
- ◆ Appraisal preparation
- ◆ Appraisal conduct
- ◆ Entry briefings
- ◆ Contact persons
- ◆ Daily debriefings
- ◆ Response to significant findings during appraisal
- ◆ Exit debriefing
- ◆ Interpersonal skills

### CORRECTIVE ACTION PLANS

- ◆ Elements of an effective Corrective Action Plan
- ◆ Establishing priorities
- ◆ Monitoring results
- ◆ Feedback into operating programs

### FOLLOW-UP EVALUATIONS

- ◆ When necessary
- ◆ Schedule

## How to Register

1. Register online: [www.tmscourses.com](http://www.tmscourses.com)
2. Call TMS at (860) 738-2440
3. Fax your registration (860) 738-9322
4. Mail the attached form:  
TMS, P.O. Box 226, New Hartford, CT 06057

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Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Telephone \_\_\_\_\_ Fax \_\_\_\_\_

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Course Fee: \$1195.00

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## Continuing Educaiton Credits

The AAHP has awarded 20 credits for this course.