SU-572

Contamination Monitor Operations

DESCRIPTION

This 2-day course includes lectures and hands-on exercises to familiarize the attendee with the operating principles, setup, and calibration of the Mirion ARGOS™-5AB system with ZEUS™ option. These calibration principles can be applied and extended to the GEM™-5 gamma exit monitor, the CRONOS® tool/object monitor, and the SIRIUS™-5 Hand/ Cuff and Foot monitor. The steps required to properly setup, calibrate, alarm test, troubleshoot, and perform required maintenance on these monitors will also be covered.

HOW YOU WILL BENEFIT

Attendees who complete this course will establish or refresh a solid foundation in the calibration, operation, and use of Mirion contamination monitoring systems. Supervisors and managers benefit from an improved level of understanding on the part of their technologists, ensuring a more reliable and defensible contamination monitoring program.

WHO SHOULD ATTEND

Technologists and supervisory personnel who are responsible for personnel or object contamination monitoring using any of the Mirion ARGOS, GEM, SIRIUS, or CRONOS systems would benefit from attending this training course. Attendees should have a basic understanding of contamination monitoring systems and programs.

COURSE CONTENT

- ✔ S560C GENIE™ PROGRAMMING LIBRARIES
- ✔ Contamination Monitor Basic Setup
- ✔ System Purge and Diagnostics During Setup
- ✔ Considerations for System Calibration
- ✔ Alpha, Beta and Gamma Calibrations
- ✔ Alarm Setting Strategies
- ✔ Detector Zone and Sum Zone Usage
- ✔ Minimizing Count Times with Maximum Sensitivity
- ✔ Alarm Testing Methodologies - Quality Assurance
- ✔ Using Representative Plant Smears
- ✔ INPO and EPRI Guidance
- ✔ Passing INPO Performance Tests
- ✔ Passive Monitoring
- ✔ Radon Progeny Rejection Settings and Experience
- ✔ Personnel Monitoring Results: Clean and Contaminated
- ✔ System Troubleshooting
- ✔ Detector Maintenance, Repair, and Maintenance
- ✔ System Backup

PREREQUISITES

There are no specific prerequisites for this course, though attendees will derive more benefit from this course if they have a basic understanding of radiation detection and their own facility-specific contamination monitoring and contamination control programs.

MIRION UNIVERSITY

To register, visit
www.mirion.com/na-courses