HS-114

HIS-20/WACS System Operations Refresher

DESCRIPTION

This course features a review of the application modules that make up the HIS-20/WACS system. These include; Personnel Information, External and Internal Dosimetry, Radiation Work Permits, Access Control, Equipment and Source Inventory and Issuance, Survey Management and Radiological Incident Reporting, WACS configuration editor and WACS operations. Focus on the modules will be defined by the students needs.

Upon successful completion of this course, the student should be able to use the HIS-20/WACS system to enter data and generate reports for all of the HIS-20 modules.

Note: Due to the modular nature of the HIS-20 system and the specialization of tasks on a departmental basis at most user sites, portions of this course can be omitted to customize the course to the needs of a particular department or set of personnel. It is recommended that trainers and on-site support personnel attend the course in its entirety.

PURPOSE

The purpose of this 4-day course is for the HIS-20 system user to review the modules that comprise the HIS-20 software and WACS access control system.

COURSE CONTENT

- ✔ Personnel Information
  - – Demographic data
  - – Maintain training/qualifications
  - – Assign exposure limits
  - – Maintain exposure records
  - – Terminate employees
  - – 10CFR20 reports
- ✔ Survey Data Management
  - – Maintain radiation surveys
  - – Maintain air and survey samples
  - – Enter air samples from CAS
  - – Review DAC history by RWP
  - – Maintain hot spot logbook

- ✔ Internal Dosimetry
  - – Add bioassay data
  - – Edit/calculate bioassay dose values
  - – Add air sample exposure
  - – Edit/calculate air intake values
  - – Dose to fetus
- ✔ External Dosimetry
  - – Maintain dosimetry process ID records
  - – Edit/update dosimetry results
  - – Control/maintain multibadge packs

- ✔ Radiation Work Permits (RWP)
  - – Initiate RWP requests
  - – Maintain RWP information and logbook
  - – Pre-job briefing information
  - – Maintain ALARA budgets
  - – Estimate exposures
- ✔ Access Control (AC)
  - – Perform access control processing
  - – Maintain access control records
  - – Maintain historical access records
  - – Maintain access control logbook
  - – Maintain RCA exclusions
- ✔ Radiological Incident Reporting
  - – Maintain RIR records
  - – Perform skin dose calculations
- ✔ Equipment Inventory and Issue
  - – Record device issuance/maintenance
  - – Maintain source information
  - – Record source maintenance
  - – Record test results
  - – Respirators
- ✔ Standard HIS-20 reports
- ✔ WACS
  - – WACS Configuration Editor
  - – Electronic Dosimeter Entry and Exit
  - – Manual Mode Entry and Exit
  - – Self Reading Dosimeter Entry and Exit
  - – Troubleshooting
  - – WACS setup in HIS-20 system

PREREQUISITES

This course is intended for students with some previous experience with HIS-20 and WACS applications.

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