RCT/HPT Site Standard OJT Program

OJE Evaluator Reference

Course Number: **022312**

Course Title: RCT/HPT OJT/OJE Task – Alarm/Emergency Response

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Form(s) N/A

Terminal Objective: Knowledge of Alarm/Emergency response

Objectives – Part A	
Method	**Task**
D	Describe the audible and visual activity alarm components associated with a Continuous Air Monitor (CAM). *The alarm signals may be audible alarms, visual alarms, and/or remote alarm relays. The specific types of alarm signals vary depending on the facility and/or the application. Workplace CAMs typically have a visual beacon and an audible alarm bell. In some cases, alpha CAMs may have a Sonalert brand audible alarm instead of, or in addition to, the alarm bell.*
D	List who should be notified of an alarming Continuous Air Monitor (CAM). *Notify management of the CAM alarm. (MSA)* *Notify Shift Operations office and or Radiological Control First Line manager*
D	State the condition or action that will clear the audible activity alarm on an alarming CAM. *During an alarm condition, the ACKNOWLEDGE button will silence the audible alarm. However, the alarm beacon will remain on until the count rate drops below the alarm set point.*
D	State the condition or action that will clear the visual activity alarm on an alarming CAM. *The alarm beacon will remain on until the count rate drops below the alarm set point. Usually by removal of the filter during re-entry efforts.*

Objectives – Part A	
Method	**Task**
D	Identify the basic condition that will cause a activity alarm on a Continuous Air Monitor (CAM) *An adjustable alarm circuit triggers both local (audio and visual) and remote (relay contact closure) annunciators when measured activity (or count rate) exceeds the alarm set point.*
D	State the dose or dose rate limits when approaching an alarming Area Radiation Monitor (ARM). *100 mrem or 100 mr/hr.*
D	Describe the audible and visible indications associated with an Alert alarm and a High alarm on an Area Radiation Monitor (ARM). *Alert: yellow indicator light, red rotating beacon, no audible alarm* *High: red indicator light, red rotating beacon, audible alarm*
D	List four (4) equipment/material items that should be taken to the scene of an alarming APM. *Contamination survey instruments, plastic bags, PPE, radioactive material tags, masslin, smears, radioactive material tags, barrier rope/ribbon.*
D	State the required action, if contamination is detected during a manual frisk and radon progeny is suspected. *Place clothing/items into a plastic bag, tag as radioactive material, and hold for radon progeny decay for at least ½ hour, and then resurvey.*
D	State the required action, if contamination is detected during a manual frisk and is NOT due to radon progeny. *Decontaminate the identified areas per 11.2.2 (MSA).* *Decontaminate and release items if Table 2-2 limits are achieved*

Objectives – Part A	
Method	**Task**
D	State the required action, if contamination is detected on the APM. *Contact management and additional RCTs for assistance.* *Tag the instrument out of service and contact the instrument group. Assist the instrument techs in removing/deconing the instrument.*
D	State the actions required when an Alarming Dosimeter alarms. *Check that alarm setting is appropriate for work area dose rate.* *Check dosimeters from other workers in the area.* *Check any ARMs in work area.* *Check the dose rate in the work area with hand held instruments.*