



Reply to a Notice of Violation

1. Calibration of Survey instruments

- A. **Finding:** Survey meter Ludlum Geiger-Muller serial #203291 date was not in calibration
- B. **Corrective Steps:** At the time of inspection the Ludlum Model 14c serial #74675 survey meter was taken out of cabinet to replace the survey meter that the date was expired until the physicist takes for calibration.
- C. **Action plan:** A check list has been added to the daily prompts on the nuclear medicine hot lab computer (NMIS) to observe the calibration date of survey meter being used. Also, after looking at the NMIS survey tabs each tech was shown how to go and select which survey meter is being used. Each survey meter in department was logged into the NMIS computer with the calibration date entered and a warning is notified on the screen that the meter is to be calibrated and not used.
- D. **Note:** Immediately after the violation was found by the inspector the back-up meter 203291 began being used. Every Nuclear Medicine Technologist was informed of the violation and the seriousness of the issue. Each tech was showed the check-list to be marked and how to log the date into the NMIS hot lab computer. The Radiation Safety officer was notified and again at the Radiation Safety meeting with agreement on future documentation. The Survey meter 203291 was calibrated on June 3, 2021 and is now in use.

2. Sealed source leak test inventory

- A. **Finding:** A Co57 sealed source was transferred out without a leak test being done within a 6 month time frame.
- B. **Corrective Steps:** The Radiation Safety Committee along with the managerial physics group met on June 1, 2021 with discussion on the sealed source leak test and was found that the physicist and the nuclear medicine supervisor misunderstood each other. The physicist was under the impression that the source was removed, but the supervisor stated to them that the department recently got a new camera and could not QC the new camera with the new hot source therefore they would be keeping the old source for QC on the new camera. Typically when our department receives a new source the old is immediately sent back.
- C. **Action plan:** After discussing with the physicist we determined that this has never happened before and just clearer communication needs to be addressed. Also each nuclear medicine technologist was warned of the issue and to be more compliant on the violation. The department will double check before a sealed source is shipped out that it has a wipe and survey documented and saved. Radiation Safety officer was notified of the violation during the meeting and agreed on the future documenting.
- D. **Note:** Immediately after the violation was noted a phone call to the physicist was made discussing the sealed source inventory. It was also addressed at the Radiation Safety meeting on June 1, 2021.

Sincerely,

Simon Ratliff

President/Chief Executive Officer