

Procedure for Replacing Tags on
Cobalt-60 Radiographic Sources

1. The cave at 366 Bldg., which is designed for 100,000 curies of cobalt-60, and is equipped with remote manipulators and a window, will be used.
2. Prior to opening the source container the wire cable will be soldered to the tag on one end, and to the snap-on metal ring on the other end.
3. The source in its container, the handling tool, the prepared wire cable and the portable vise will be placed within the cave on a platform before the window and easily reached with the remote manipulators.
4. All persons will leave the cave except one man who will perform Step 5.
5. The source container will be unlocked, the lock removed and the container opened. The handling tool will be threaded into the source, the source removed from the container and laid down on the platform in front of the window.
6. The last man will leave the cave.
7. Using manipulators, the source will be placed in the vise.
8. The snap-ring will be forced into the groove encircling the head of the source.
9. The source will be removed from the vise laid down on the platform.
10. The radiographer will enter the cave, replace the source in its container, remove the handling tool and close the container.
11. The container will be locked, removed from the cave, a measurement made with the survey meter on the source container, and the container returned to its storage location in 615 Bldg.
12. The procedure will be logged in the Radiographer's Utilization Log and also in the Source Registration Sheet at Environmental Research Lab.

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