**Survey Meter Constancy Checks**

**Purpose:** This procedure describes how to perform operability and constancy checks of the survey meters. This procedure should be performed approximately every three months, or four times annually.

1. Obtain the Cs #62-103 checksource from the hot room. The key to the hot room is in the cabinet to the right of Kaley’s workspace. The checksource is in a small zip bag to the right of the Cs safe in the hot room.
2. Obtain all three survey meters.
   1. 450P s/n 3829 is in the cabinet to the right of Kaley’s workspace.
   2. 451P s/n 3949 is in the Tomo therapists’ cabinet.
   3. Ludlum 2241-3 w 44-2 and 44-9 are in a black case in the room between physics and dosimetry.
3. Turn on all survey meters and allow to warm up. Move Ludlum away from 62-103 checksource.
4. Read 450P constancy.
   1. Hold red dot on 62-103 checksource to dot on front of 450P.
   2. Record the reading, including units (µR/hr or mR/hr), in the Survey Meter Operability /Constancy spreadsheet.
5. Read 451P constancy.
   1. Hold red dot on 62-103 checksource to dot on front of 451P.
   2. Record the reading, including units (µR/hr or mR/hr), in the Survey Meter Operability /Constancy spreadsheet.
6. Initial and date the \_\_\_.
7. Open the Cs checksource on the side of the Ludlum reader.
8. Read 44-2 constancy.
   1. Use the cable to connect the 44-2 survey meter to the reader.
   2. Turn reader knob to 2 (match number on sticker on 44-2).
   3. Hold face of 44-9 to checksource on side of reader.
   4. Record the reading, including units (µR/hr or mR/hr), in \_\_\_\_\_.
   5. Turn reader knob to off!
9. Read 44-9 constancy.
   1. Use the cable to connect the 44-9 survey meter to the reader.
   2. Turn reader knob to 4 (match number on sticker on 44-9).
   3. Hold hole in red cap to checksource on side of reader.
   4. Record the reading, including units (µR/hr or mR/hr), in \_\_\_\_\_.
10. Initial and date the \_\_\_.