

**§ 35.400**

**10 CFR Ch. I (1–1–06 Edition)**

- (v) Radiation biology; and
- (2) Has work experience, under the supervision of an authorized user who meets the requirements in §§35.390 or 35.396, or, before October 24, 2005, §35.930, or equivalent Agreement State requirements, in the parenteral administration, for which a written directive is required, of any beta emitter or any photon-emitting radionuclide with a photon energy less than 150 keV, and/or parenteral administration of any other radionuclide for which a written directive is required. A supervising authorized user who meets the requirements in §§35.390 or 35.930 must have experience in administering dosages as specified in §§35.390(b)(1)(ii)(G)(3) and/or 35.390(b)(1)(ii)(G)(4). The work experience must involve—
  - (i) Ordering, receiving, and unpacking radioactive materials safely, and performing the related radiation surveys;
  - (ii) Performing quality control procedures on instruments used to determine the activity of dosages, and performing checks for proper operation of survey meters;
  - (iii) Calculating, measuring, and safely preparing patient or human research subject dosages;
  - (iv) Using administrative controls to prevent a medical event involving the use of unsealed byproduct material;
  - (v) Using procedures to contain spilled byproduct material safely, and using proper decontamination procedures; and
  - (vi) Administering dosages to patients or human research subjects, that include at least 3 cases involving the parenteral administration, for which a written directive is required, of any beta emitter or any photon-emitting radionuclide with a photon energy less than 150 keV and/or at least 3 cases involving the parenteral administration of any other radionuclide, for which a written directive is required; and
- (3) Has obtained written attestation that the individual has satisfactorily completed the requirements in paragraph (b) or (c) of this section, and has achieved a level of competency sufficient to function independently as an authorized user for the parenteral administration of unsealed byproduct material requiring a written directive.

The written attestation must be signed by a preceptor authorized user who meets the requirements in §§35.390, 35.396, or, before October 24, 2005, §35.930, or equivalent Agreement State requirements. A preceptor authorized user, who meets the requirements in §35.390, or, before October 24, 2005, §35.930, must have experience in administering dosages as specified in §§35.390(b)(1)(ii)(G)(3) and/or 35.390(b)(1)(ii)(G)(4).

[70 FR 16365, Mar. 30, 2005]

**Subpart F—Manual Brachytherapy**

**§ 35.400 Use of sources for manual brachytherapy.**

A licensee shall use only brachytherapy sources for therapeutic medical uses:

- (a) As approved in the Sealed Source and Device Registry; or
- (b) In research in accordance with an active Investigational Device Exemption (IDE) application accepted by the FDA provided the requirements of §35.49(a) are met.

**§ 35.404 Surveys after source implant and removal.**

- (a) Immediately after implanting sources in a patient or a human research subject, the licensee shall make a survey to locate and account for all sources that have not been implanted.
- (b) Immediately after removing the last temporary implant source from a patient or a human research subject, the licensee shall make a survey of the patient or the human research subject with a radiation detection survey instrument to confirm that all sources have been removed.
- (c) A licensee shall retain a record of the surveys required by paragraphs (a) and (b) of this section in accordance with §35.2404.

**§ 35.406 Brachytherapy sources accountability.**

- (a) A licensee shall maintain accountability at all times for all brachytherapy sources in storage or use.
- (b) As soon as possible after removing sources from a patient or a human research subject, a licensee shall return