expressly authorizing such introduction. This exemption does not apply to
the transfer of byproduct material con-
tained in any food, beverage, cosmetic,
drug, or other commodity or product
designed for ingestion or inhalation by,
or application to, a human being.

(d) No person may introduce byprod-
uct material into a product or material
knowing or having reason to believe
that it will be transferred to persons
exempt under this section or equiva-
 lent regulations of an Agreement
State, except in accordance with a li-
cense issued under § 32.11 of this chap-
ter.

[30 FR 8185, June 26, 1965, as amended at 40
52 FR 8241, Mar. 17, 1987; 58 FR 7736, Feb. 9,
1993; 72 FR 58486, Oct. 16, 2007]

§ 30.15 Certain items containing by-
product material.

(a) Except for persons who apply by-
product material to, or persons who in-
corporate byproduct material into, the
following products, or persons who ini-
tially transfer for sale or distribution
the following products containing by-
product material, any person is exempt
from the requirements for a license set
forth in section 81 of the Act and from
the regulations in parts 20 and 30
through 36 and 39 of this chapter to the
extent that such person receives, pos-
sesses, uses, transfers, owns, or ac-
quires the following products:

(1) Timepieces or hands or dials con-
taining not more than the following
specified quantities of byproduct mate-
rial and not exceeding the following
specified levels of radiation:

(i) 25 millicuries of tritium per time-
piece,
(ii) 5 millicuries of tritium per hand,
(iii) 15 millicuries of tritium per dial
(bezels when used shall be consid-
ered as part of the dial),
(iv) 100 microcuries of promethium
147 per watch or 200 microcuries of
promethium 147 per any other timepiece,
(v) 20 microcuries of promethium 147
per watch hand or 40 microcuries of
promethium 147 per other timepiece
hand,
(vi) 60 microcuries of promethium 147
per watch dial or 120 microcuries of
promethium 147 per other timepiece
dial (bezels when used shall be consid-
ered as part of the dial),
(vii) The levels of radiation from
hands and dials containing pro-
methium 147 will not exceed, when
measured through 50 milligrams per
square centimeter of absorber:
(A) For wrist watches, 0.1 millirad
per hour at 10 centimeters from any
surface,
(B) For pocket watches, 0.1 millirad
per hour at 1 centimeter from any sur-
face,
(C) For any other timepiece, 0.2
millirad per hour at 10 centimeters
from any surface.
(viii) 0.037 megabecquerel (1
microcurie) of radium-226 per time-
piece in intact timepieces manufac-
tured prior to November 30, 2007.
(2) [Reserved]
(3) Balances of precision containing
not more than 1 millicurie of tritium
per balance or not more than 0.5 milli-
curie of tritium per balance part manu-
factured before December 17, 2007.
(4) [Reserved]
(5) Marine compasses containing not
more than 750 millicuries of tritium
gas and other marine navigational in-
struments containing not more than
250 millicuries of tritium gas manufac-
tured before December 17, 2007.
(6) [Reserved]
(7) Ionization chamber smoke detec-
tors containing not more than 1
microcurie (μCi) of americium-241 per
detector in the form of a foil and de-
designed to protect life and property
from fires.
(8) Electron tubes: Provided, That
each tube does not contain more than one
of the following specified quan-
tities of byproduct material:
(i) 150 millicuries of tritium per
microwave receiver protector tube or
10 millicuries of tritium per any other
electron tube;
(ii) 1 microcurie of cobalt-60;
(iii) 5 microcuries of nickel-63;
(iv) 30 microcuries of krypton-85;
(v) 5 microcuries of cesium-137;
(vi) 30 microcuries of promethium-
147;
And provided further, That the levels of
radiation from each electron tube con-
taining byproduct material do not ex-
ceed 1 millirad per hour at 1 centimeter
from any surface when measured

576
Nuclear Regulatory Commission

§ 30.18 Exempt quantities.

(a) Except as provided in paragraphs (c) through (e) of this section, any person is exempt from the requirements for a license set forth in section 81 of the Act and from the regulations in parts 30 through 34, 36, and 39 of this chapter to the extent that such person receives, possesses, uses, transfers, owns, or acquires byproduct material in individual quantities, each of which does not exceed the applicable quantity set forth in § 30.71, Schedule B.

(b) Any person, who possesses byproduct material received or acquired before September 25, 1971, under the general license then provided in §31.4 of this chapter or similar general license of a State, is exempt from the requirements for a license set forth in section 81 of the Act and from the regulations in parts 30 through 34, 36 and 39 of this chapter to the extent that this person possesses, uses, transfers, or owns byproduct material.

(c) This section does not authorize for purposes of commercial distribution the production, packaging, repackaging, or transfer of byproduct material or the incorporation of byproduct material into products intended for commercial distribution.

(d) No person may, for purposes of commercial distribution, transfer byproduct material in the individual quantities set forth in §30.71 Schedule B, knowing or having reason to believe that such quantities of byproduct material will be transferred to persons exempt from the regulations pursuant to §32.14 of this chapter, which license states that the byproduct material may be transferred by the licensee to persons exempt from the regulations pursuant to paragraph (a) of this section.

(e) No person may, for purposes of producing an increased radiation level, combine quantities of byproduct material covered by this exemption so that the aggregate quantity exceeds the limits set forth in §30.71 Schedule B, except for byproduct material combined within a device placed in use before May 3, 1999, or as otherwise permitted by the regulations in this part.