

(1) Vented Type B(M) packages, packages which require external cooling by an ancillary cooling system or packages subject to operational controls during transport; or

(2) Liquid pyrophoric Class 7 (radioactive) materials.

(e) Packages with radiation levels at the package surface or a transport index in excess of the limits specified in §173.441(a) of this subchapter may not be transported by aircraft except under special arrangements approved by the Associate Administrator.

[Amdt. 175-13, 45 FR 20102, Mar. 27, 1980, as amended by Amdt. 175-26, 48 FR 10245, Mar. 10, 1983; Amdt. 175-26, 48 FR 31220, July 7, 1983; Amdt. 175-29, 48 FR 50461, Nov. 1, 1983; Amdt. 175-47, 55 FR 52687, Dec. 21, 1990; Amdt. 175-53, 60 FR 50333, Sept. 28, 1995; 69 FR 3694, Jan. 26, 2004]

§ 175.704 Plutonium shipments.

Shipments of plutonium by air which are subject to 10 CFR 71.88(a)(4) must comply with the following:

(a) A plutonium package weighing less than 40 kg (88 lbs) and having its height and diameter both less than 50 cm (19.7 in), must be stowed aboard the aircraft on the main deck or the lower cargo compartment in the aft-most location that is possible for cargo of its size and weight. No other type of cargo may be stowed aft of a plutonium package.

(b) A plutonium package must be secured and restrained to prevent shifting under normal transport. A plutonium package weighing 40 kg (88 lbs) or more must be securely cradled and tied down to the main deck of the aircraft such that the tied down system is capable of providing package restraint against the following inertial forces acting separately relative to the deck of the aircraft: Upward, 2g; Forward, 9g; Sideward, 1.5g; Downward, 4.5g.

(c) A plutonium package weighing less than 40 kg (88 lbs), and having its height and diameter both less than 50 cm (19.7 in), may not be transported aboard an aircraft carrying other cargo required to bear an "Explosive A" or an "Explosive 1.1" label. Any other plutonium package may not be transported aboard an aircraft carrying other cargo bearing any of the following hazardous material labels: Explosive A; Explosive

B; Explosive C; Explosive 1.1, 1.2, 1.3, 1.4, 1.5 or 1.6; Spontaneously Combustible; Dangerous When Wet; Organic Peroxide; Non-Flammable Gas; Flammable Liquid; Flammable Solid; Flammable Gas; Oxidizer; or Corrosive.

[Amdt. 175-53, 60 FR 50333, Sept. 28, 1995]

§ 175.705 Inspection of aircraft for contamination by Class 7 (radioactive) materials.

(a) Aircraft used routinely for the carriage of Class 7 (radioactive) materials shall be periodically checked for radioactive contamination. The frequency of checks shall be related to the likelihood of contamination and the extent to which Class 7 (radioactive) materials are carried.

(b) An aircraft must be taken out of service if the level of contamination exceeds that provided in §175.700(b).

[Amdt. 175-25, 47 FR 54824, Dec. 6, 1982, as amended by Amdt. 175-47, 55 FR 52687, Dec. 21, 1990]

PART 176—CARRIAGE BY VESSEL

Subpart A—General

Sec.

- 176.1 Purpose and scope.
- 176.2 Definitions.
- 176.3 Unacceptable hazardous materials shipments.
- 176.4 Port security and safety regulations.
- 176.5 Application to vessels.
- 176.7 Documentation for vessel personnel.
- 176.9 "Order-Notify" or "C.O.D." shipments.
- 176.11 Exceptions.
- 176.13 Responsibility for compliance and training.
- 176.15 Enforcement.
- 176.18 Assignment and certification.

Subpart B—General Operating Requirements

- 176.24 Shipping papers.
- 176.27 Certificate.
- 176.30 Dangerous cargo manifest.
- 176.31 Exemptions.
- 176.36 Preservation of records.
- 176.39 Inspection of cargo.
- 176.45 Emergency situations.
- 176.48 Situation requiring report.
- 176.50 Acceptance of damaged or leaking packages.
- 176.52 Rejections of shipments in violation.
- 176.54 Repairs involving welding, burning, and power-actuated tools and appliances.