

(c) Each package of Class 7 (radioactive) material bearing RADIOACTIVE YELLOW-II or RADIOACTIVE YELLOW-III labels may not be placed closer than 0.9 m (3 feet) to an area (or dividing partition between areas) which may be continuously occupied by any passenger, rail employee, or shipment of one or more animals, nor closer than 4.5 m (15 feet) to any package containing undeveloped film (if so marked). If more than one package of Class 7 (radioactive) materials is present, the distance must be computed from the table below on the basis of the total transport index number (determined by adding together the transport index numbers on the labels of the individual packages) of packages in the rail car or storage area:

Total transport index	Minimum separation distance to nearest undeveloped film		Minimum distance to area of persons or minimum distance from dividing partition of a combination car	
	Meters	Feet	Meters	Feet
	None	0	0	0
0.1 to 10.0	4.5	15	0.9	3
10.1 to 20.0	6.7	22	1.2	4
20.1 to 30.0	7.7	29	1.5	5
30.1 to 40.0	10	33	1.8	6
40.1 to 50.0	10.9	36	2.1	7

Note: The distance in this table must be measured from the nearest point on the nearest packages of Class 7 (radioactive) materials.

(d) Each fissile material, controlled shipment must be transported in accordance with one of the methods prescribed in §173.457 of this subchapter. The transport controls must be adequate to assure that no fissile material, controlled shipment is transported in the same transport vehicle with any other fissile Class 7 (radioactive) material shipment. In loading and storage areas, each fissile material, controlled shipment must be segregated by a distance of at least 6 m (20 feet) from other packages required to bear one of the "radioactive" labels described in part 172 of this subchapter.

(e) A person shall not remain unnecessarily in, on or near a transport vehicle containing Class 7 (radioactive) materials.

(f) In the case of packages shipped under the exclusive use provisions of §173.441(b) of this subchapter for packages with external radiation levels in

excess of 2 mSv per hour (200 mrem per hour) at the package surface—

(1) The transport vehicle must meet the requirements for a closed transport vehicle (§173.403 of this subchapter);

(2) Each package must be secured so that its position within the transport vehicle remains fixed under conditions normally incident to transportation; and

(3) The radiation level may not exceed 0.02 mSv per hour (2 mrem per hour) in any normally occupied position in the transport vehicle or adjacent rail car.

[Amdt. 174-80, 60 FR 50331, Sept. 28, 1995, as amended by Amdt. 174-80, 61 FR 20753, May 8, 1996; 66 FR 45383, Aug. 28, 2001]

§ 174.715 Cleanliness of transport vehicles after use.

(a) Each transport vehicle used for transporting Class 7 (radioactive) materials as exclusive use, as defined in §173.403 of this subchapter, must be surveyed with appropriate radiation detection instruments after each use. A transport vehicle may not be returned to service until the radiation dose rate at any accessible surface is 0.005 mSv per hour (0.5 mrem per hour) or less, and there is no significant removable radioactive surface contamination, as defined in §173.443 of this subchapter.

(b) This section does not apply to any transport vehicle used solely for transporting Class 7 (radioactive) materials if a survey of the interior surface shows that the radiation dose rate does not exceed 0.1 mSv per hour (10 mrem per hour) at the interior surface or 0.02 mSv per hour (2 mrem per hour) at 1 m (3.3 feet) from any interior surface. The transport vehicle must be stenciled with the words "FOR RADIOACTIVE MATERIALS USE ONLY" in lettering at least 7.6 cm (3 inches) high in a conspicuous place on both sides of the exterior of the transport vehicle, and it must be kept closed at all times other than during loading and unloading.

[Amdt. 174-80, 60 FR 50332, Sept. 28, 1995, as amended by 66 FR 45383, Aug. 28, 2001]

§ 174.750 Incidents involving leakage.

(a) In addition to the incident reporting requirements of §§171.15 and 171.16 of this subchapter, the carrier shall also notify the offeror at the earliest

practicable moment following any incident in which there has been breakage, spillage, or suspected radioactive contamination involving Class 7 (radioactive) materials shipments. Transport vehicles, buildings, areas, or equipment in which Class 7 (radioactive) materials have been spilled may not be again placed in service or routinely occupied until the radiation dose rate at every accessible surface is less than 0.005 mSv per hour (0.5 mrem per hour) and there is no significant removable radioactive surface contamination (see § 173.443 of this subchapter).

(b) The package or materials should be segregated as far as practicable from personnel contact. If radiological advice or assistance is needed, the U.S. Department of Energy (DOE) should also be notified. In case of obvious leakage, or if it appears likely that the inside container may have been damaged, care should be taken to avoid inhalation, ingestion, or contact with the Class 7 (radioactive) material. Any loose Class 7 (radioactive) materials should be left in a segregated area and held pending disposal instructions, from qualified persons.

[Amdt. 174–26, 41 FR 16092, Apr. 15, 1976, as amended by Amdt. 174–42, 48 FR 10245, Mar. 10, 1983; Amdt. 174–61, 51 FR 34987, Oct. 1, 1986; Amdt. 174–65, 53 FR 38274, Sept. 29, 1988; Amdt. 174–68, 55 FR 52684, Dec. 21, 1990; Amdt. 174–80, 60 FR 50332, Sept. 28, 1995]

PART 175—CARRIAGE BY AIRCRAFT

Subpart A—General Information and Regulations

Sec.

- 175.1 Purpose and scope.
- 175.3 Unacceptable hazardous materials shipments.
- 175.5 Applicability.
- 175.10 Exceptions.
- 175.20 Compliance and training.
- 175.25 Notification at air passenger facilities of hazardous materials restrictions.
- 175.26 Notification at cargo facilities of hazardous materials requirements.
- 175.30 Accepting and inspecting shipments.
- 175.31 Reports of discrepancies.
- 175.33 Notification of pilot-in-command.
- 175.35 Shipping papers aboard aircraft.
- 175.40 Keeping and replacement of labels.

Subpart B—Loading, Unloading and Handling

- 175.75 Quantity limitations aboard aircraft.
- 175.78 Stowage compatibility of cargo.
- 175.79 Orientation of cargo.
- 175.81 Securing of packages containing hazardous materials.
- 175.85 Cargo location.
- 175.88 Inspection of unit load devices.
- 175.90 Damaged shipments.

Subpart C—Specific Regulations Applicable According to Classification of Material

- 175.305 Self-propelled vehicles.
- 175.310 Transportation of flammable liquid fuel in small, passenger-carrying aircraft.
- 175.320 Cargo aircraft only; only means of transportation.
- 175.630 Special requirements for Division 6.1 (poisonous) material and Division 6.2 (infectious substance) material.
- 175.700 Special limitations and requirements for Class 7 (radioactive) materials.
- 175.701 Separation distance requirements for packages containing Class 7 (radioactive) materials in passenger-carrying aircraft.
- 175.702 Requirements for carriage of packages containing Class 7 (radioactive) materials in a cargo aircraft only.
- 175.703 Other special requirements for the acceptance and carriage of packages containing Class 7 (radioactive) materials.
- 175.704 Plutonium shipments.
- 175.705 Inspection of aircraft for contamination by Class 7 (radioactive) materials.

AUTHORITY: 49 U.S.C. 5101–5127; 49 CFR 1.53.

SOURCE: Amdt. 175–1, 41 FR 16106, Apr. 15, 1976, unless otherwise noted.

Subpart A—General Information and Regulations

§ 175.1 Purpose and scope.

This part prescribes requirements, in addition to those contained in parts 171, 172 and 173 of this subchapter, applicable to aircraft operators transporting hazardous materials aboard (including attached to or suspended from) aircraft.

[Amdt. 175–15, 45 FR 35332, May 27, 1980]

§ 175.3 Unacceptable hazardous materials shipments.

Hazardous materials that are not prepared for shipment in accordance