



RADIOACTIVE

2020 DG Checklist

Tracking # _____

The continued offering of non-compliant dangerous goods packages may result in the embargo of your dangerous goods shipments by FedEx Express. Date _____

DIRECTIONS: Mark the appropriate box for each item to indicate if the shipment complies with the requirement. Check all sides of the package, as applicable.

1. Shipment acceptable by both origin and destination locations. [eSRG] Y N
2. **Package** in good condition and **free of leakage, odor, or external damage.** [5.0.2.4.1] Y N
3. **Shipper's Declaration** included. [10.8.2] Y N

ON THE DECLARATION

Tracking number may be completed by Shipper or DG Specialist. Shipper must provide 3 copies in English and at least 2 copies with red hatchings. (FX-08)

4. **Typewritten or computer-generated.** Some fields may be handwritten. [FX-07] Y N
5. **Shipper and consignee name and full address.** For 023 shipments, shipper's address includes country name. [10.8.3.1; 10.8.3.2] Y N
6. **Page of Pages.** [10.8.3.4] Y N
7. **Passenger and Cargo Aircraft or Cargo Aircraft Only** limitations correctly indicated. For Passenger and Cargo Aircraft:
 - must be 3.0 TI or less per package **AND**
 - any statement indicating for use in research or medical diagnosis or treatment.
 Limitations include additional restrictions of States and Operators. [10.8.3.5; USG-10] Y N
8. **Radioactive** correctly indicated. [10.8.3.8] Y N
9. **UN number** preceded by prefix "UN". [10.8.3.9.1, Step 1] Y N
10. **Proper Shipping Name.** [10.8.3.9.1, Step 2] Y N
11. **Class 7.** [10.8.3.9.1, Step 3] Y N
12. **Subsidiary hazard(s)**, if applicable, in parentheses immediately following class or division. [10.8.3.9.1, Step 4] Y N N/A
13. **Packing Group**, when applicable, corresponding to subsidiary hazard. [10.8.3.9.1 Step 5] Y N N/A
14. **Name or symbol of radionuclide(s)** (e.g., Ir-192, Mo-99). [10.8.3.9.2, Step 6 (a)] Y N
15. **Description of physical and chemical form** (e.g., liquid sodium iodide, solid metal) or **Special Form** (if not included in PSN for Type A package). [10.8.3.9.2, Step 6 (b)] Y N
16. **Number of packages and type of packaging** (e.g., 1 Type A, 1 Type B[U]). [10.8.3.9.2, Step 7] Y N
17. **Activity of radionuclide(s)** in Becquerels (e.g., Bq, MBq, GBq, TBq, etc). For fissile material, the total weight in grams or kilograms of the fissile material may be shown in place of activity. [10.8.3.9.2, Step 7] Y N

18. **Type A Package:** N/A
 - a. **Single Radionuclide:** Activity does not exceed the applicable A₁ or A₂ column limit. [Table 10.3.A] For U.S. domestic shipments only: Mo-99 A₂ = 0.74 TBq Y N N/A
 - b. **Two or More Radionuclides:** Activity for each radionuclide does not exceed the applicable A₁ or A₂ column limit. [Table 10.3.A] Y N N/A

19. **Two or more individual radionuclides in package.** Activity listed for each individual radionuclide. All Packed In One indicated in Quantity and Type of Packing. [10.8.3.9.2, Step 7] Y N N/A
20. **Two or more radionuclides in mixture or solutions.** Total activity listed for mixture or solution. Mixture or solution indicated in Quantity and Type of Packing (e.g. solid salt mixture or liquid salt solution). [10.8.3.9.2, Steps 6 and 7; FX-03 (d)] Y N N/A
21. **Category of label** (e.g., I White, II Yellow, III Yellow). [10.8.3.9.3, Step 9 (a)] Y N
22. **II Yellow and III Yellow:** Transport Index (TI) to one decimal place. [10.8.3.9.3, Step 9 (b)] Y N N/A
23. **II Yellow and III Yellow:** Dimensions of package in metric units. "L," "W" (or "D"), and "H" may be shown immediately preceding each dimension but are not required. [10.8.3.9.3, Step 9 (c)] Y N N/A
24. **III Yellow:** TI must not exceed 10.0 per package. [Table 10.5.C] Y N N/A
25. **Special Form shipment: Special form approval certificate number** indicated on declaration (not required for U.S. domestic shipments). [10.8.3.9.4, Step 10] Y N N/A
26. **Special Form shipment:** Copy of approval, in English, attached (not required for U.S. domestic shipments). [10.8.3.9.4, Step 10] Y N N/A
27. **Type B package:** Design approval number indicated on declaration. [10.8.3.9.4, Step 10] Y N N/A
28. **Type B package:** Copy of approval document(s), in English, attached (not required for U.S. domestic shipments). [10.8.3.9.4, Step 10] Y N N/A
29. **Plutonium in Type B Package:** Specific approval documents from FedEx Legal/Radiation Physicist attached. [10.8.3.9.4, Step 10, FX-03 (a)] Y N N/A
30. **24-hour emergency response telephone number,** including international prefix, if required by State or Operator variation. [2.8] Y N N/A
31. **Name, date, and shipper's signature** (signature may be typewritten for U.S. domestic shipments, including U.S. territories). [10.8.3.13; 10.8.3.14; 10.8.3.15] Y N
32. Shipper's same signature next to **amendments and alterations** (changes). [10.8.1.7] Y N N/A
NOTE: An insertion in different handwriting or printing is not considered to be an alteration.

ON THE PACKAGE

(Markings and labels correspond to shipper's declaration and must be durably affixed.) [10.7.1.1]

33. **Number and type of packaging correspond to declaration (not including Overpack).** [9.1.3 (g)] Y N
34. Package large enough to support all markings, labels, documentation and none are placed on the bottom of the package. FedEx branded packaging (including brown boxes) not used. [FX-06] Y N
35. **Shipper and Consignee name and full address** marked on package. [10.7.1.3.1] Y N
36. **UN number** preceded by prefix "UN", **meets size requirements** and corresponds to declaration. [10.7.1.2.4.1; 10.7.1.3.1] Y N



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- 37. **Proper Shipping Name** and corresponds to declaration. [10.7.1.3.1] Y N
- 38. **Type A:** Marked with Type A, VRI code of origin country, and name of package certifier (may be Shipper). USA Type A package requires marking of USA DOT 7A Type A. [10.7.1.3.4] Y N N/A
- 39. **Type B:** Marked Type B (U or M as appropriate) and design approval number and symbol (e.g. USA/9999/B(U)-96 Type B). [10.7.1.3.5] Y N N/A
- 40. **Type IP:** Marked Type IP (e.g., Type IP-1, Type IP-2, Type IP-3 as appropriate), VRI code of origin country, and name of package certifier (may be Shipper). [10.7.1.3.3] Y N N/A
- 41. **For packages that exceed 50 kg (110 lb), the gross weight (in metric units) must be marked on package, unless overpacked.** [10.7.1.3.1] Y N N/A
- 42. **Two correct radioactive labels** on opposite sides. [10.7.3.1; 10.7.4.3.1] Y N
- 43. Content/radionuclide, activity, and TI on radioactive label corresponds to shipper's declaration, as required. [10.7.3.3] Y N
- 44. **Two subsidiary hazard labels**, affixed adjacent to primary hazard labels. [10.7.4.2.3; 10.7.4.3.1] Y N N/A
- 45. **Two Cargo Aircraft Only labels** on opposite sides and near hazard labels on same surface of package. [10.7.4.2.4; 10.7.4.3.1] Y N N/A
- 46. **One set of labels** must be located on the same side of the package near the Proper Shipping Name marking when package dimensions are adequate. [10.7.4.2.1] Y N N/A
- 47. **Markings and label(s)** meeting IATA specifications, correctly applied (not obscured or covering required markings, not folded or wrapped on more than one face of package); irrelevant or contradictory markings/labels removed or obliterated. [10.7.1.1; 10.7.4.1.3] Y N

OVERPACKS N/A

- 48. **"Overpack Used"** on declaration. [10.8.3.9.2, Step 8] Y N
- 49. **"Overpack"** appears on the package if all markings and labels are not visible. [10.7.1.4.1] Y N
- 50. **Multiple Overpacks:** Unique identification mark on both declaration and each overpack. (Tracking number may be used.) [10.7.1.4.3] Y N N/A

FISSILE RADIONUCLIDES:
(U-233, U-235, Pu-239, OR Pu-241)**FISSILE EXCEPTED** N/A

- 51. **"Fissile Excepted"** on declaration.
 If yes, select N/A for Fissile Material section and skip 53-58. [10.8.3.9.4, Step 10] Y N

FISSILE MATERIAL (If not Fissile Excepted) N/A

- 52. The following UN numbers are prohibited when the contents include Plutonium 239 (Pu 239) or Plutonium 241 (Pu 241): UN 3324, UN 3325, UN 3326, UN 3327, UN 3328, UN 3329, UN 3330, UN 3331 or UN 3333. [FX-03 (a)] Y N N/A
- 53. **Fissile in Proper Shipping Name** other than fissile excepted: Criticality Safety Index on declaration. [10.8.3.9.3, Step 9 (d)] Y N N/A

- 54. **Package design approval and country approval certificate number** on declaration and copies of documents attached. [10.8.3.9.4; 10.10.2.1.5] Y N
- 55. **FedEx Legal/Radiation Physicist approval** document(s) attached. [FX-03 (c)] Y N
- 56. **Two completed Criticality Safety Index labels** and **two radioactive category labels** (i.e. I White, II Yellow, or III Yellow) on opposite sides. [10.7.4.3.1] Y N N/A
- 57. **Identification mark** contains type code "AF", "B(U)F", B(M)F", "CF", or "IF". [10.7.1.3.7] Y N N/A

PACKAGES CONTAINING DRY ICE N/A

- 58. Dry Ice markings, labelings, and documentation requirements met. [PI 954; 7.1.4.1 (d); 8.2.4] Y N

GENERAL

- 59. **023 air waybill** (IP1, IXF, ATA): Correct statements, as appropriate, in Handling Information box. [10.8.8.1] Y N N/A
- 60. Complies with all other applicable **State and Operator variations**. [2.8] Y N
- 61. **"RQ"** is indicated before or after basic description on declaration when marked on the package (e.g. **RQ**, UN 2915, Radioactive Material, Type A Package, 7 or UN 2915, Radioactive Material Type A Package, 7, **RQ**). **"RQ"** is marked on package when on declaration. [USG-04] Y N N/A
- 62. Shipment complies with **special provisions**. [4.2, column M] Y N N/A

If there are any discrepancies indicated, your shipment cannot be transported by FedEx Express. In the U.S., this shipment is returned to the Shipper using DOT-SP 14691. In the U.S., call 1.800.GoFedEx and press "81" then "4" for assistance. For non-U.S. locations, please contact your local Customer Service representative.

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 ACCEPTED **REJECTED**

Inspected By _____

Employee # _____

Shipper Contact Name _____

Shipper Contact Phone # _____