RPR 55B – QA Checklist UN2910 Shipment by Aircraft

Shipment number: ______________

Shipment Date: _________________

Shipper: _______________________

1. ________. Ensure the material to be shipped does not meet the definition of any other hazard class and is not a hazardous waste.

2. ________. Ensure the package meets the general design requirements of IATA 10.6.0 and 10.6.1.

3. ________. Ensure the radioactive contents meet the limits of IATA Table 10.3.C specifically less or equal to $10^{-3} A_2$ for normal form solids and gases and $10^{-4} A_2$ for normal form liquids.

4. ________. Ensure the material is fissile excepted in accordance with IATA 10.3.7.2.

5. ________. Package the material according to the manufacturer instructions.
   - Either the container or a 95 kPa bag must be used to meet the pressure requirement of 10.6.1.3. Drums rated for liquids will give a pressure test rating in association with the UN specification marking.

6. ________. Mark the inner or outer package “Radioactive”, depending on package setup.

7. ________. Label the package with the Radioactive Material Excepted Package Label (IATA 10.7.8.A) with UN2910.

8. ________. Perform a shipment survey on the package as specified in RS-19-08, Section 7.9.
   - Combined dose rate on contact with the package must be less than 0.5 mrem/hr.
   - The non-fixed contamination on the exterior of the package must not exceed the limits specified in IATA 10.5.3.2, 7200 dpm beta-gamma per 300 cm$^2$ and 720 dpm per 300 cm$^2$ alpha.

9. ________. Mark the package as follows (IATA 10.7.1.3.2).
   - UN Number on Excepted Package Label.
   - Full name and address for the shipper and consignee.
   - Permissible gross weight if the gross weight exceeds 50 kg.

10. ________. Ensure the following is recorded on the FedEx Airbill (non-hazardous substance). IATA 10.8.8.3
Enter the name and address of the shipper and consignee in the form and to sections of the Airbill.

Enter “UN2910, Radioactive material, excepted package, limited quantity of material” in the Your Internal Billing Reference section.

Under Special Handling check the box “Yes Shipper’s Declaration not required” under, Does this shipment contain dangerous goods?

Enter the Total Packages at the bottom of the Airbill.

11. If the material is a hazardous substance (RQ fraction is greater than or equal to 1) perform the necessary steps.

- Mark the package “RQ”.
- On the Airbill, check Yes As per Attached Shippers Declaration box under Special Handling Instructions. Do not enter UN number and proper shipping name in the Your Internal Billing section.
- Prepare a Dangerous Goods Declaration including the following information.
  - Shipper and Consignee name and full address. IATA 10.8.3.1 and 10.8.3.2.
  - Page X of Y.
  - XXX out Cargo Aircraft Only IATA USG-10.
  - “RQ UN2910” under UN or ID No. IATA USG-04.
  - XXX out Non-Radioactive IATA 10.8.3.8
  - “Radioactive Material, Excepted Package – Limited Quantity of Material” under Proper Shipping Name. IATA 10.8.3.9.1
  - “7” under Class or Division. IATA 10.8.3.9.1.
  - Dims (L) XX x (W) XX x (H) XX under Packaging Inst.
  - 24 – hour emergency response phone number under Additional Handling Information. IATA 2.8
  - Name, Signature of the shipper, Place, and Date at the bottom of the page.
- Provide three signed copies of the red-hatched Dangerous Goods Declaration and Emergency Response Guide 161 in the sleeve with the Airbill.

Reviewed by: ______________________________