

# UN2915—Yellow II Package Return Instructions

Your return must ship as a UN2915 – Yellow II, if the surface reading of your package on any side is greater than 0.5 mrem/hr but less than 50 mrem/hr. A qualified Shipper must prepare package for shipment in accordance with Title 49 CFR 172.101, 172.204, 172.403, 172.704, 173.403, 173.425, 173.433, & 173.443. Other requirements may also apply.

## Step 1: Check Return Source:

Check source for damage & removable contamination. Wipe source to confirm removable activity is less than 5nCi (10 CFR 35.67). If results are 5nCi or above, contact your RSO for additional instructions.

## Step 2: Packaging your Return:

- ⇒ Place source in original container and shipping box, center and securely package it to reduce movement during transit. Seal box with heavy duty tape & keep one side open to insert necessary forms. If box is damaged, please request a new one.
- ⇒ Confirm radiation surface reading (on-contact) on all sides of package is greater than 0.5 mrem/hr but less than 50 mrem/hr. If above 50 mrem/hr, contact your RSO.

## Step 3: Complete Emergency Response Sheet B, page 1:

- ⇒ Check box C under item 1 for UN2915, Class 7...Type A"
- ⇒ Complete item 2 with Your Shipper's 24 Hour Emergency Telephone Number.

## Step 4: Complete Return Packing List – Sheet B, page 2:

*Provide email address and fax for Return Disposal Receipt confirmation. Refer to your source certificate for information needed on the Return Packing List.*

- ⇒ 1 Original & 2 copies of **Sheet B** are necessary
  - ◆ Place original Emergency Response/Return Packing List **Sheet B** (pages 1-2) in small packing list pouch.
  - ◆ Place 1 copy of the Return Packing List in the box with source.
  - ◆ Keep 1 copy of the Return Packing List for your records.

## Step 5: Determine source nuclide activity in MBq.

*This information will be needed for the Shipper's Declaration.*

For a Decay Chart and Radioactivity Unit Converter, please visit:

<http://www.ezag.com/ezip.support>



## Step 6: Seal & Label Box:

- ⇒ Seal box with heavy duty tape. Write "security" along the length of the tape or use pre-printed tamper indicating tape.
- ⇒ Do not deface the following Type A information on the box: UN2915 RADIOACTIVE MATERIAL, TYPE A PACKAGE. USA DOT-7A-TYPE A.



- ⇒ Determine TI [Transportation Index = max dose rate in mrem/hr at 1 meter (3 feet)] from package surface. The TI must be <1.0mrem/hr on all sides of the box in order to label as Yellow II (49 CFR 173.403). Round up to the first decimal point. (Hint: 0.42 =>rounds up to 0.5).
- ⇒ Fill in the nuclide(s), total activity, and TI in blank sections on Yellow II labels. Adhere 2 labels, one each on opposite sides of the box over original or defaced Yellow II labels.
- ⇒ Apply Cargo Aircraft Only labels to opposing sides of the box.



## Step 7: Wipe Test of Box:

Perform a dry wipe on the outside surface of the box. Removable activity cannot exceed 22 dpm/cm<sup>2</sup> beta or gamma emitters and 2.2 dpm/cm<sup>2</sup> of alpha emitting nuclides [49 CFR 173.443(a)(1)]. Contact your RSO if wipe test is above limits.

## Step 8: Complete FedEx Air Waybill:

- ⇒ You are the sender and responsible for return shipment costs.
- ⇒ Ship to: **Attention: Receiving Eckert & Ziegler Isotope Products 1800 N. Keystone Street, Burbank, CA 91504**
- ⇒ Field 5 - Packaging check box "Other."
- ⇒ Field 6 - Special Handling check box "Yes, as per attached Shipper's Declaration."

Continued overleaf =>

Step 9: The Shipper's Dangerous Goods (DG) template and a completed sample Dangerous Goods (DG) Form (with steps A to D) can be found at: [www.ezag.com/ezip.support](http://www.ezag.com/ezip.support).

A completed sample (with steps A to D), has also been included with your Return Kit.

Please note that the DG form must be typed and signed by a qualified & trained shipper.



**A) Complete Shipper and Consignee boxes in upper left side.**

*You are the Shipper, and EZIP, **1800 N Keystone Street, Burbank, CA 91504** is the Consignee.*

**B) Transportation Details:**

1. **Airport of Departure:** Contact your local FedEx office for location code.
2. **Airport of Destination:** LAX
3. **For disposals only:** cross out "Passenger and Cargo Aircraft".
4. **Air Waybill #:** this is a 12 digit tracking # from your FedEx Air Waybill.
5. **Shipper's Reference No.:** notate EZIP issued Return Number.
6. **Shipment Type:** cross out "Non-Radioactive".

**C) Nature & Quantity of Dangerous Goods:**

1. **UN or ID #:** UN2915
2. **Proper Shipping Name:** Radioactive material, Type A package
3. **Class or Division:** 7
4. **Packaging Group:** skip this field
5. **Quantity and type of packaging:** Isotope to be returned, Physical & Chemical form (metallic salt solid for most medical returns), Activity in MBq, and number of Type A Packages.
6. **Packaging Instructions:** II Yellow, TI, & dimensions of box in centimeters
7. **Authorization:** skip this field

**D) Shipper's 24 hour Emergency Telephone Phone Number**

Under "Additional Handling Information", record the Shipper's 24 hour Emergency phone #. This is **your** 24 hour telephone number should an emergency arise with your package during transit. This number is also recorded on the Emergency Response / Return Packing List **Sheet B**.

**⇒ Once all information is typed, the DG form is complete**

Print 3 copies on candy striped paper. If using a black & white printer, put the provided candy striped paper in your printer. The typed DG Form must have the colored candy stripe or it will be rejected by the carrier (i.e. FedEx).

**⇒ Outer Box Labeling & Pouches:**

1. Mark RA# on provided EZIP return label and adhere to box.
2. Place 3 DG copies and FedEx Air Waybill in large FedEx pouch and adhere to package.
3. Adhere small packing list pouch (containing the original Emergency Response / Return Packing List - **Sheet B**) to package.

**Note: Shipper's Declaration for DG Form must be completed and signed by a qualified DOT trained shipper.**

**Regulatory References:** Title 49 CFR 172.101, 172.204, 172.403, 172.704, 173.403, 173.425, 173.433. Other requirements may also apply.

**Once you have carefully completed Steps 1 through 9 for your UN2915 return, your source is now ready to ship to EZIP!!!**