

# Employee Training

## Opening / Returning RAM Packages

1. Put on gloves to prevent hand contamination.
2. Visually inspect the package for any sign of damage (e.g., wet or crushed). If damage is noted, stop and notify the RSO.
3. Measure and record the exposure rate from the package at 1 meter and at the package surface. If the rate is greater than 10 mR/hr, stop and immediately notify the RSO, the final delivery carrier and by telephone and fax the regional office of the NRC.
4. Measure and record the exposure rate on the surface of the package in the same orientation as the data taken in step 3 above. If greater than 200 mR/hr, stop the procedure and immediately notify the RSO, the final delivery carrier and by telephone and fax the regional office of the NRC.
5. Wipe 300 cm<sup>2</sup> external surface area of the package in compliance with 10 CFR 20.1906. <http://www.nrc.gov/reading-rm/doc-collections/cfr/part020/full-text.html#part020-1906> Assay the wipe sample with a suitable instrument sufficient to detect 2200 dpm to determine if there is any removable activity. If there is any contamination in excess of 22 dpm/cm<sup>2</sup> in compliance with 49 CFR 173.443, immediately notify the RSO, the final delivery carrier and by telephone and fax the regional office of the NRC.
6. Follow the steps listed below when opening the package.
  - a. Remove the packing slip.
  - b. Open the outer package following the supplier's instructions, if available.
  - c. Open the inner package and verify that the contents agree with the packing slip.
  - d. Check the integrity of the final source container. Look for broken seals or vials, loss of liquid, condensation, or discoloration of the packing material.
  - e. If anything unusual is noticed, stop and notify the RSO.
7. Verify that the material received is the material ordered.
8. Verify that the manufacturer receives the material being returned.
9. Monitor the packing material and the empty packages for contamination with a GM survey meter before discarding. If contaminated, treat as radioactive waste. If not contaminated, deface all radiation labels before discarding.
10. Record the receipt and all readings taken.

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The diamond label used is determined by the exposure measurements noted below. Make sure your package conforms to these exposure levels / label pairings.

	<u>Surface</u>	<u>One Meter</u>
<b><u>WHITE I</u></b>	<0.5 mR/hr	Background
<b><u>YELLOW II</u></b>	0.5 - 50 mR/hr	< 1 mR/hr
<b><u>YELLOW III</u></b>	50 - 200 mR/hr	1 - 10 mR/hr
<b><u>YELLOW III</u></b> Exclusive Use Only	200 - 1000 mR/hr	> 10 mR/hr

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Radiation Safety Officer

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Administrator

Date: \_\_\_\_\_

Date: \_\_\_\_\_