Removal of Radioactive Sources from PerkinElmer Instrumentation

1. **How do I remove the radioactive source material from my liquid scintillation counter, liquid scintillation analyzer, or other radiation detection equipment before I recycle it?**
   Contact your PerkinElmer customer support engineer to arrange for removal of the source and shipment to an appropriate disposal facility. We can accept the following sources:
   - Barium-133 or Europium-152 source from any liquid scintillation counter or analyzer (including Packard, Wallac and PerkinElmer brands).
   - Cesium-137 source from a Beckman Coulter LSC or LSA.
   - Americium-241 or Radium-226 source from specific instrument models; contact your PerkinElmer customer support engineer for details.
   - Iodine-129 sealed radioactive source from a Packard or PerkinElmer brand radiation detection device.

2. **Is there a cost associated with having an authorized PerkinElmer customer service engineer remove and dispose a radioactive sealed source?**
   Yes, please contact your PerkinElmer customer support engineer for pricing information.

3. **Does PerkinElmer have a radioactive materials license that allows it to conduct source removal and disposal activities?**
   Yes. PerkinElmer has the applicable radioactive materials license to conduct such activities. If you would like to obtain a copy, contact Joseph D’Ippolito, EH&S Specialist & Radiation Safety Office of PerkinElmer in Hopkinton, MA, for this documentation. joseph.dippolito@perkinelmer.com.

4. **Am I obligated to have an authorized PerkinElmer customer support engineer remove the radioactive sealed source in a Packard/Wallac/PerkinElmer LSC, LSA, or RRD detection device?**
   Contact your regulatory authority to determine applicable requirements. PerkinElmer recommends that you use its source removal services. Our engineers are trained on the safe removal of these sources and packaging them for shipment.

5. **Can a customer remove the radioactive sealed source in a LSC, LSA, or other RDD and then offer it to the authorized PerkinElmer customer support engineer for disposal?**
   No. PerkinElmer will not accept any radioactive sealed source that was in a LSC, LSA, or other RDD that was removed by a customer or third party.

6. **Can a customer receive documentation from PerkinElmer that the removed radioactive source was received?**
   Yes. Contact Joseph D’Ippolito, EH&S Specialist & Radiation Safety Office of PerkinElmer in Hopkinton, MA, for this documentation. joseph.dippolito@perkinelmer.com.

7. **What does PerkinElmer do with a radioactive sealed source that was removed from a customer’s LSC, LSA, or RRD?**
   Upon receipt, the package containing the radioactive sealed source is surveyed for radioactive contamination and the radioactive source is removed and placed into a locked lead-lined safe within a locked restricted area for storage. Once a year, the sources are transported off-site by a qualified contractor to appropriate treatment and disposal facilities.