**Introduction**

ENRESA is the national company in charge of radioactive waste management in Spain and carry out the removal and conditioning of the radioactive wastes generated at the nuclear and radioactive facilities and those produced at non-regulated installations. The company has a Radiological Protection Technical Unit (RPTU) that was set up in 1990 in response to a requirement of the Nuclear Safety Council (the Spanish regulatory body), thus has more than 20 years of experience.

**RPTU human and technical resources**

- Experts (3) and technicians (4) qualified in radiological protection and specialized in radiological measurements.
- Radiation and contamination detectors (ionization chambers, Geiger-Müller, proportional counters, plastic scintillation detectors...).
- Portable spectrometric equipments (scintillation and germanium).
- Digital dosimeters with alarm.
- Air samplers and continuous air monitors.
- Vehicle used as mobile laboratory.

**Removal of radioactive wastes from radioactive facilities**

- Evaluation of management methods and activity calculations.
- Radiological characterization of radioactive waste generated.
- Contamination controls.
- Report evaluations and technical visits.

**Venting of Kr-85 sources**

- Specific authorization (source activity < 37 GBq)
- Prior inspection to performing radiological characterization of the source.
- Venting control and certification of venting.

**Removal of radioactive sources from radioactive and non-regulated facilities**

- Radiological characterization of all the sources (radionuclide, activity, doses rate...).
- Campaign of searching of orphan sources.
- Dismantling of the equipment and removal of the source.
- Conditioning of the equipment for safe transportation.
- Contamination controls.


- Removed more than 22000 units.
- Contamination controls and decontaminations.
- Activity evaluations.
- Conditioning for transport.

**Removal of radioactive sources from radioactive and non-regulated facilities**

- Specific authorization.
- Prior inspection to radiological characterization of the equipment.
- Instructions preparation.
- Control of the transfer and removal.
- Accompaniment of the transport.

**Characterization of activated pieces from linear accelerators**

- Activation of the parts with isotopes of short life.
- Presence of Co-60 and others than not allow the clearance of the pieces.
- Possible alarms on the portal monitors of metal industry.
- Radiological characterization of the pieces and activity estimation.

**Special activities**

- Removal of radioactive wastes after incidents.
- Removal of radioactive abandon materials.
- Removal of radioactive sources from closed installations.