

## **SAFE DISPOSAL OF RADIOACTIVE SOURCES**

The licensee shall ensure that

- a) the ultimate disposal of radiography sources is carried out in a manner approved by the Competent Authority.
- b) ensure safe disposal of disused radioactive source(s) and other decayed source(s) (of activity < 50 GBq) at an authorised waste management facility or return it to the country of origin with prior approval of the Competent Authority; action for the safe disposal of such source(s) shall be initiated without any delay

The source supplier shall:

- (i) be responsible for the safe disposal of disused / decayed radiography sources;
- (v) be responsible for installation, commissioning, servicing and maintenance, decommissioning/dismantling of equipment and for arranging disposal of the disused / decayed radiography sources and any other radioactive material in the shielding;

### **Equipment Containing Depleted Uranium**

The licensee shall arrange to remove the radioactive source and return it to the source supplier for safe disposal. If the exposure device contains depleted uranium, the entire device has to be returned to the supplier for safe disposal or transferred to an authorised waste management agency for safe disposal. For this purpose, the licensee shall apply for authorisation from the AERB, in the prescribed format.

### **Disposal of Radioactive Waste**

The radiography exposure device shall be checked for radioactive contamination. If no contamination is present in the source housing/guide tube the same can be decommissioned. If contamination is present, the contaminated components shall be disposed off as radioactive waste. For this purpose, the licensee shall obtain an authorisation from AERB for transfer/disposal of radioactive waste to authorised waste management agency.

Any radioactive waste that may arise incidental to the decommissioning operation shall be disposed of in accordance with the prior approval of the Competent Authority. Upon completion of the decommissioning operation, a comprehensive survey of the facility shall be conducted by the RSO. It shall be confirmed that the radiation level, fixed and non-fixed contamination level, if any, at the facility are within the limits stipulated by the Competent Authority.