

Checklist for Transport of Radioactive Ores (pg1)

1. Is the material radioactive in regards to transport?

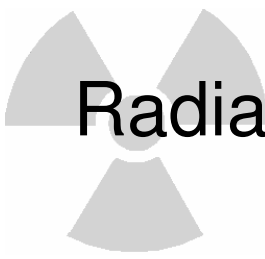
Determine if the material is radioactive, using a spectrometer, do an assay to determine the approximate ppm of uranium and thorium.

In accordance with paragraph 107 (e) of the Transport Code, if the material has an activity of the **parent** nuclide greater than 10Bq/g, then the ore is considered a radioactive material for transport purposes. This equates to approximately more than 800ppm Uranium or 2440ppm Thorium or a combination of both. If the material is radioactive then it must be transported in accordance with state regulations as summarised below.

If the material is not radioactive it can be transported as normal.

2. Packaging Requirements (*Package will be transported as an excepted package*)

- Package Dimensions must be greater than 10cm x 10cm x 10cm
- The ore must be secured and won't leak
- The ore should be in a sealed plastic bag placed inside a sealed steel drum
- Radiation levels must be less than 5 μ Sv /hr on ALL surfaces of the package
- No external radioactive labels should be displayed on the package
- There must be NO non-relevant labels on the external surface
- The exterior of the package must have the Consignee & Consignor names
- The designation "UN-2910" must be visible on the external surface
- Upon opening of the external package, the words "Radioactive Material" must be visible



Checklist for Transport of Radioactive Ores (pg2)

3. Carrier requirements and documentation

- No external radioactive labels should be displayed on the vehicle
- A “Consignor’s Declaration for Dangerous Goods – Class 7 Radioactive Material” must be completed, one copy to stay with the consignor and two to go with the carrier (one to be given to the consignee)
- The transport must be performed under the supervision of a person licensed to transport radioactive material. This does not necessarily mean that the person holding the licence need accompany the consignment. However they will be legally responsible for the radioactive integrity of the transport, so may wish a trained person to accompany the shipment.