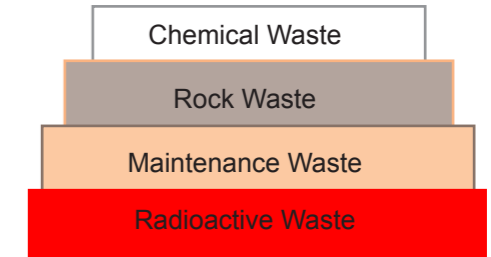


## Environmental Management System (EMS) Guide to Experimental Minesite Waste Disposal



Tip ...

Note down your waste disposal methods at the same time as your risk assessment details.

**Are the contents of the waste known?**

No

Refer to EMS Website or talk to your Supervisor.

Website: [www.pf.uq.edu.au/ems.html](http://www.pf.uq.edu.au/ems.html)

Yes

**Is the chemical or waste dangerous to handle in its current state?**

**Consider:**

1. Will it react violently if in contact with air, water or moisture?
2. Will it explode/react if dropped?
3. Is the current packaging damaged?

Yes

No

There is no defined procedure for these types of waste. Each waste must be addressed on an individual basis.

- ◆ Refer to: [http://www.brisbane.qld.gov.au/bccwr/lib85/permits\\_trade\\_waste\\_guidelines.pdf](http://www.brisbane.qld.gov.au/bccwr/lib85/permits_trade_waste_guidelines.pdf) and/or
- ◆ Consult MSDS information for this chemical waste.
- ◆ Follow MSDS directions for correct disposal of waste.
- ◆ In addition to any other information given in MSDS, waste must also be handled as follows:
  1. Packaging labelled with appropriate dangerous goods diamond.
  2. Contents and concentration listed.
  3. Name of person and generating department listed.

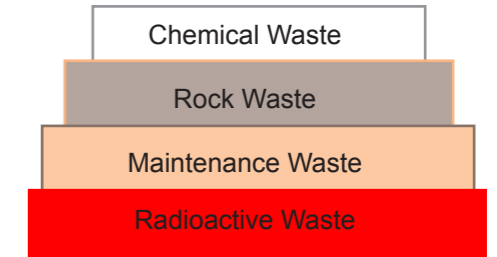
For further information, view website at: <http://stores.bacs.uq.edu.au>. For queries or assistance only email: [chemwaste@uq.edu.au](mailto:chemwaste@uq.edu.au).

Select from the waste categories on Page 2:

- ◆ Chemical Waste
- ◆ Rock Waste
- ◆ Maintenance (Workshop) Waste
- ◆ Radioactive Waste

For General Waste and Recycling procedures - refer to website above.

Environmental Management System (EMS)  
**Guide to Experimental Minesite Waste Disposal**



**Waste Streams**

**Chemical Waste**

Any waste of a chemical nature that has the potential to pose a chemical threat to health, safety and/or the environment, or is chemically hazardous.

**Scope:**

- ◆ Sewerable chemicals
- ◆ Inert solids
- ◆ Collection of non-sewerable liquid wastes
- ◆ Collection of non-sewerable solid wastes
- ◆ Labelling chemical wastes
- ◆ Waste Manifests
- ◆ Collection procedures
- ◆ Common wastes in the work area.

**Rock Waste**

Rock Waste including metal ore fines.

**Scope:**

- ◆ Helidon Sandstone
- ◆ Marble
- ◆ Granite
- ◆ radioactive rock waste
- ◆ Waste rock containing heavy metals or asbestos.

**Maintenance (Workshop) Waste**

Maintenance (Workshop) Waste.

**Scope:**

- ◆ Oil and Grease
- ◆ Scrap metal
- ◆ Batteries
- ◆ Obsolete Plant and Equipment
- ◆ Timber offcuts
- ◆ Building materials.

**Radioactive Waste**

Wastes which because of their radioactive content may require specific management arrangement.

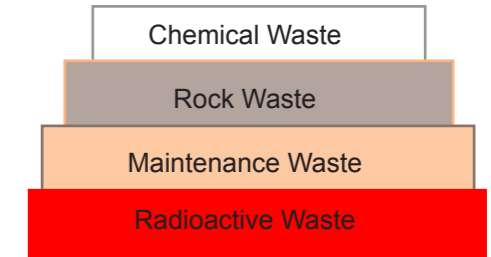
**Scope:**

- ◆ Solvent-based liquid scintillants
- ◆ Water-based liquid scintillants
- ◆ Radioactive glass and vials
- ◆ Dry materials (including contaminated clothing)
- ◆ Chemical reagents.

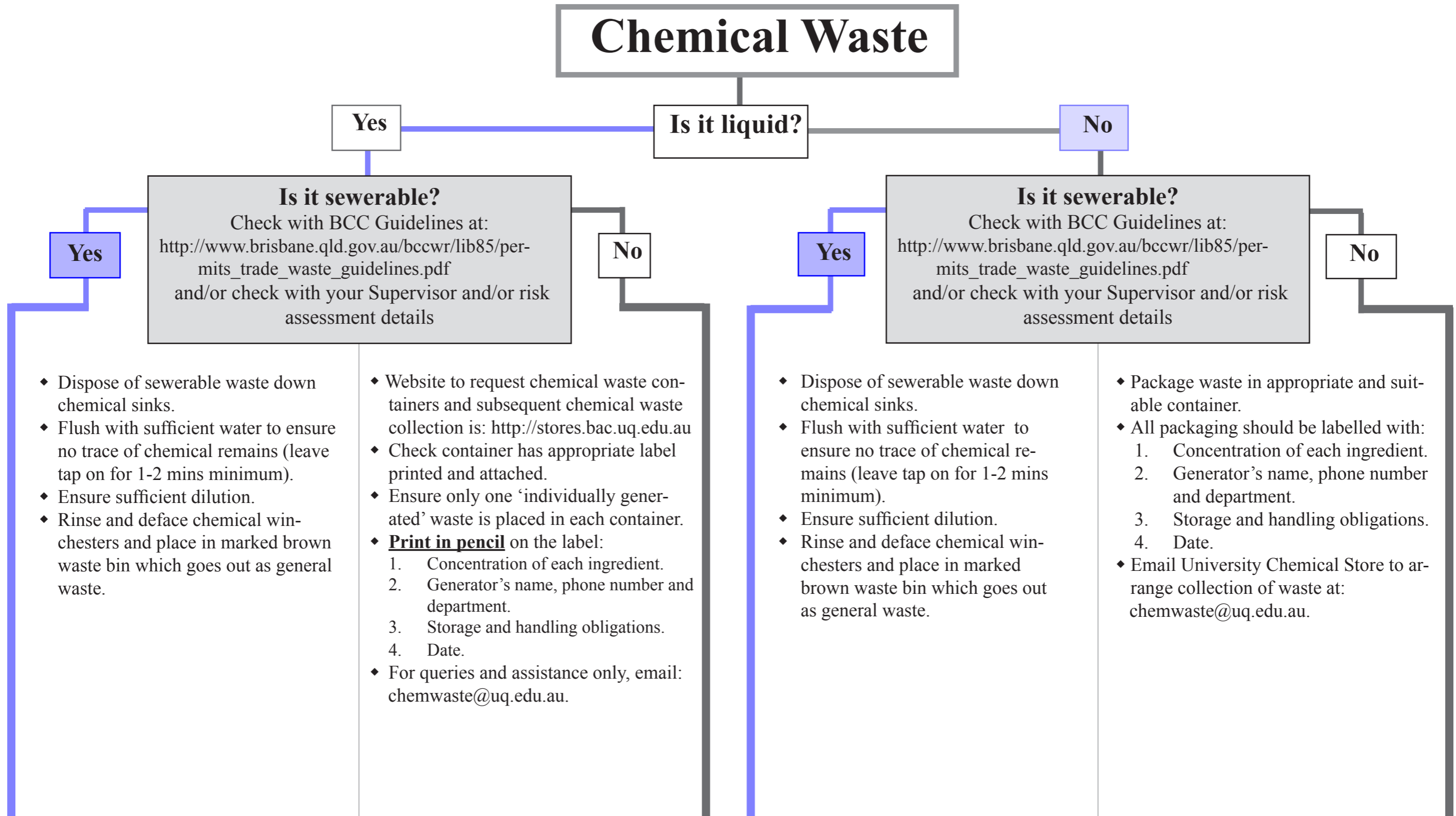
**Tip**

Note down your waste disposal methods at the same time as your risk assessment details.

Environmental Management System (EMS)  
**Guide to Experimental Minesite Waste Disposal**



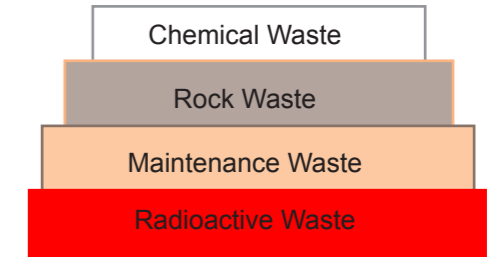
# Chemical Waste



**Tip**

Note down your waste disposal methods at the same time as your risk assessment details.

Environmental Management System (EMS)  
**Guide to Experimental Minesite Waste Disposal**



# Rock Waste

**Do the rock samples originate from outside Australia...**

**Yes**

**No**

Rocks are received with a declaration from the client specifying the rock type and the quantity of contaminants. All rocks imported are cleared by customs before being delivered to the Mine

Rocks received originate within Australia

## General Rock Waste

## Environmentally Sensitive Waste

Rock is contaminated with lead, zinc, arsenic or chemical

## Asbestos Contaminated Waste

## Radioactive Rock

Waste retained in skip until reasonable quantity for disposal. Disposed of via waste contractor

Waste retained in skip until reasonable quantity for disposal.

1. Package & send back to client
2. Dispose of via a licensed contractor

Package & send back to client

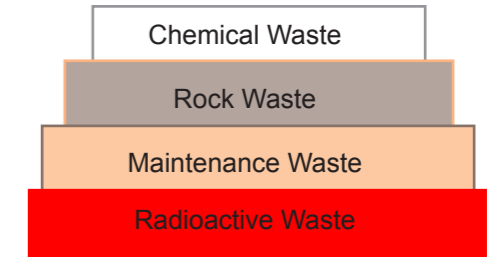
Landfill

If contaminated waste is above 5% of the capacity of the container it is to be treated as a regulated waste.  
See EPA Waste Regulation 2000 S17 (4) for further information.

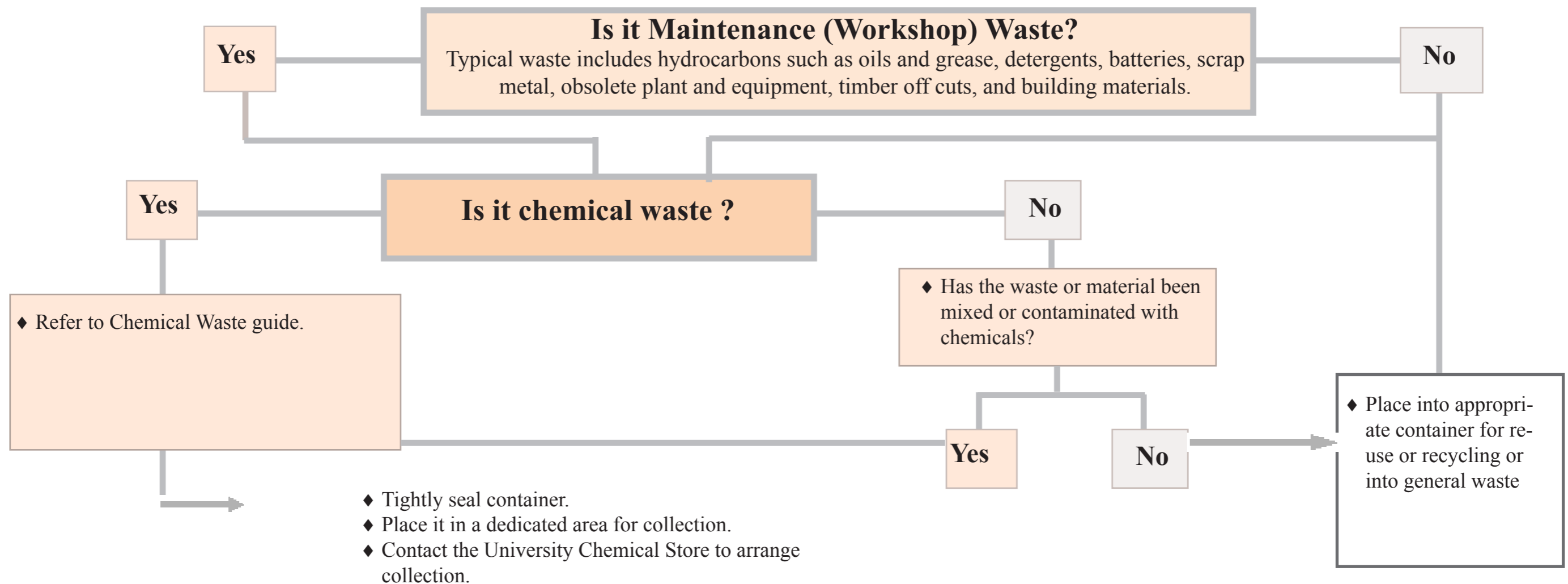
Licensed landfill

**Tip**

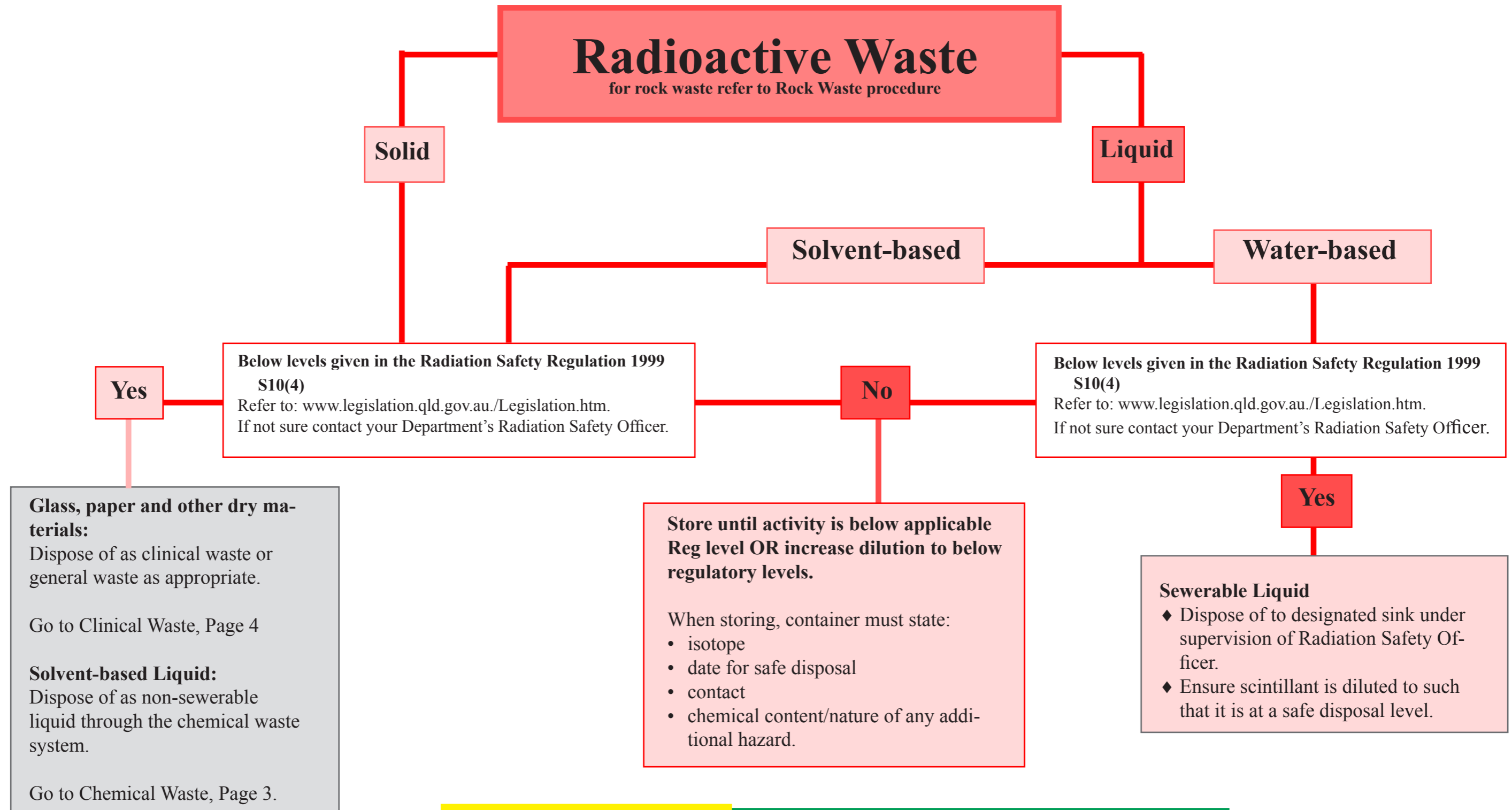
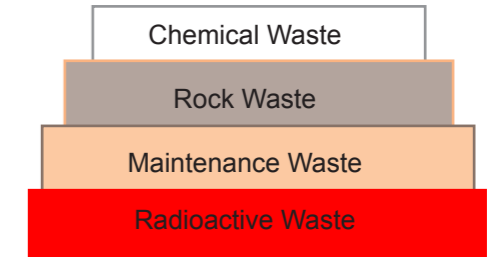
Note down your waste disposal methods at the same time as your risk assessment details.



## Maintenance (Workshop) Waste



Environmental Management System (EMS)  
**Guide to Experimental Minesite Waste Disposal**



**Tip**  
 Note down your waste disposal methods at the same time as your risk assessment details.