



# **Country Waste Profile Report for AUSTRALIA Reporting Year: 2013**

*For guidance on reading Country Waste Profile Reports,  
please refer to the following internet based document:*

*<http://www-newmdb.iaea.org/help/profiles9/guide.pdf>*

*For further information, please contact the Responsible Officer via e-mail:  
[NEWMDB@IAEA.org](mailto:NEWMDB@IAEA.org)*

## Waste Classification Schemes

Country: AUSTRALIA

Reporting Year: 2013

Waste Class Matrix: **IAEA Def.**

This country does use the IAEA Scheme: Yes

Description: The Agency's standard matrix

Waste Class Name	Distribution %			
	VLLW	LLW	ILW	HLW
VLLW	100.0	0.0	0.0	0.0
LLW	0.0	100.0	0.0	0.0
ILW	0.0	0.0	100.0	0.0
HLW	0.0	0.0	0.0	100.0

Comment **# 12291: Waste Matrix IAEA Def.**

Australia does not have a uniform definition of waste categories. Most jurisdictions do not specifically define or categorize radioactive waste in legislation. In practice in most jurisdictions, any sealed or unsealed material containing radionuclides at levels above exemption and for which no further use is envisaged is regarded as radioactive waste. In most cases wastes are categorized, for management purposes, as long-lived or short-lived, liquid or solid, and sealed or unsealed. Further categorization is based on IAEA recommendations (New South Wales, Northern Territory), nuclide (Queensland), or, for small quantities of solid waste, on the Code of Practice for the Disposal of Radioactive Wastes by the User (NHMRC, 1985). Categorization is also based on the Code of Practice for the Near-Surface Disposal of Radioactive Waste in Australia (NHMRC, 1992). Between them these codes define waste that can be disposed of at urban landfill and therefore what needs to go to a near surface disposal facility. The Near Surface Disposal Code defines three categories of waste that can be disposed of by near surface disposal: lightly contaminated items such as protective clothing, laboratory equipment, plastic, etc; shielded sources and small items of contaminated equipment; and bulk materials such as contaminated soils or large individual items of contaminated plant. Waste that is unsuitable for near surface disposal must be stored pending deep geological disposal or disposal following a suitable period of decay.

Comment **# 12292: Waste Matrix IAEA Def.**

For the classification of Australian radioactive waste, regulators agreed that the IAEA classification system as specified in Safety Guide 111-G-1.1 was appropriate for Australia with some modification for bulk waste together with supporting documentation, particularly in relation to the thresholds between classification levels. The IAEA classification was used for this report (NEWMDB submission).

Australia's new national classification scheme for radioactive waste (Safety Guide RPS20, 2010) is consistent with the current International Atomic Energy Agency (IAEA) classification scheme (GSG-1, 2009), and includes a definition of radioactive waste. Thus the national radioactive waste inventory reported in NEWMDB will progressively be more consistent with the new classifications as it is updated into the future.

**Definition of «unprocessed waste» and «processed waste»:**

This country uses the IAEA standard definition:

	as-generated waste	processed for handling	processed for storage	processed for disposal
Inprocessed means:	x			
Processed means:		x	x	x

## Groups Overview

Country: AUSTRALIA

Reporting Year: 2013

<b>Reporting Group:</b>	<b>ACT</b>
Inventory Reporting Date:	December 2013
Waste Matrix Used:	IAEA Def.
Description:	Australian Capital Territory

Site Name	Facility Name	Facilities Defined	
ACT RC	ACT Store	storage	

<b>Reporting Group:</b>	<b>Cwealth</b>
Inventory Reporting Date:	December 2013
Waste Matrix Used:	IAEA Def.
Description:	Commonwealth of Australia (Australian Government)

Site Name	Facility Name	Facilities Defined	
AAD	Waste	storage	
AIMS	Waste	storage	
ANSTO RWM	Compactor	processing	
	Decon	processing	
	Hot Cells	processing	
	ILW liquid	processing	storage
	ILW store		storage
	LFBG		disposal
	LLW liquid	processing	
	LLW store		storage
	WTPF	processing	
ANU	ANU Store	storage	
ARPANSA	Store	storage	
CSIRO	CSIRO Labs	storage	
	Woomera	storage	
Defence	Salisbury	storage	
	Woomera	storage	
NMI	Waste	storage	
PAN	El Sherana		disposal
SSD	waste	storage	

## Groups Overview

Country: AUSTRALIA

Reporting Year: 2013

<b>Reporting Group:</b>	<b>NSW</b>
Inventory Reporting Date:	December 2013
Waste Matrix Used:	IAEA Def.
Description:	New South Wales

Site Name	Facility Name	Facilities Defined	
NSW DoEC	NSW Store	storage	

<b>Reporting Group:</b>	<b>NT</b>
Inventory Reporting Date:	December 2013
Waste Matrix Used:	IAEA Def.
Description:	Northern Territory

Site Name	Facility Name	Facilities Defined	
Mt Todd	Mt Todd	storage	
NT DoHF	NT Store	storage	
Ranger	Tailings	storage	

<b>Reporting Group:</b>	<b>Qld</b>
Inventory Reporting Date:	December 2013
Waste Matrix Used:	IAEA Def.
Description:	Queensland

Site Name	Facility Name	Facilities Defined	
Qld DoH	Esk Store	storage	

## Groups Overview

Country: AUSTRALIA

Reporting Year: 2013

<b>Reporting Group:</b>	<b>SA</b>
Inventory Reporting Date:	December 2013
Waste Matrix Used:	IAEA Def.
Description:	South Australia

Site Name	Facility Name	Facilities Defined	
Beverley	Solidwaste	storage	
Honeymoon	Solidwaste	storage	
Maralinga	Maralinga		disposal
OlympicDam	Tailings	storage	
Port Pirie	Tailings	storage	
RadiumHill	Repository		disposal
	Tailings	storage	
SA EPA	SA Store	storage	

<b>Reporting Group:</b>	<b>Tas</b>
Inventory Reporting Date:	December 2013
Waste Matrix Used:	IAEA Def.
Description:	Tasmania

Site Name	Facility Name	Facilities Defined	
Tas DHHS	Tas Store	storage	
	Various	storage	

<b>Reporting Group:</b>	<b>Victoria</b>
Inventory Reporting Date:	December 2013
Waste Matrix Used:	IAEA Def.
Description:	Victoria

Site Name	Facility Name	Facilities Defined	
Vic DHS	Vic Store	storage	

## Groups Overview

Country: AUSTRALIA

Reporting Year: 2013

<b>Reporting Group:</b>	<b>WA</b>			
Inventory Reporting Date:	December 2013			
Waste Matrix Used:	IAEA Def.			
Description:	Western Australia			
Site Name	Facility Name	Facilities Defined		
Mt Walton	2000RT01			disposal
	2002RT01			disposal
	2008RT01			disposal
	92RS01			disposal
	92RS02			disposal
	94RT01			disposal
WA RC	QEII store	processing	storage	

## Site (Structure) : ACT RC

Country: AUSTRALIA

Reporting Year: 2013

Full Name: Australian Capital Territory Government - Radiation Council

Description:

Official Website:

License Holder(s): Australian Capital Territory Radiation Council, Radiation Safety Section

Waste management facilities that are located at this site:

<b>Facility:</b>	<b>ACT Store</b>
<b>Description:</b>	Australian Capital Territory - Radioactive Waste Storage Facility

**Storage part of facility                      ACT Store**

The following shows storage status for waste classes and SRS.

Waste Class	Actual	Planned
VLLW	No	No
LLW	Yes	No
ILW	No	No
HLW	No	No

<b>List SRS?</b>	Yes
<b>List UMMT?</b>	No

<b>Capacity:</b>	
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## Types of Storage Units

Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
Store	not in list	0	No	No	No	Yes

Site (Data) : ACT RC

Stock of waste as at December 2013

Country: AUSTRALIA

Reporting Year: 2013

Site Name: ACT RC

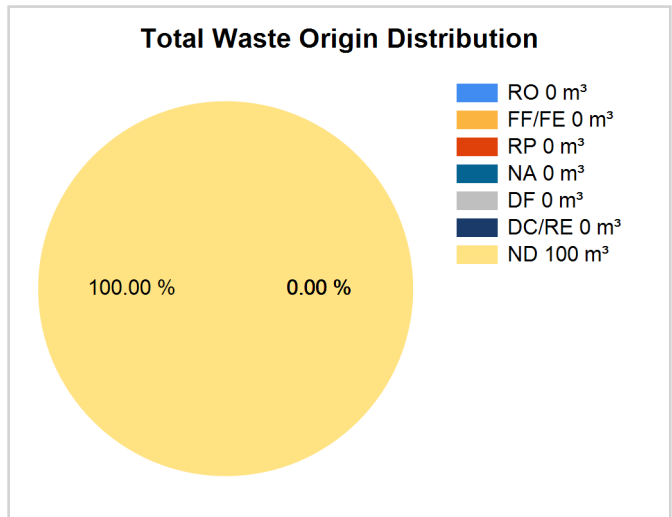
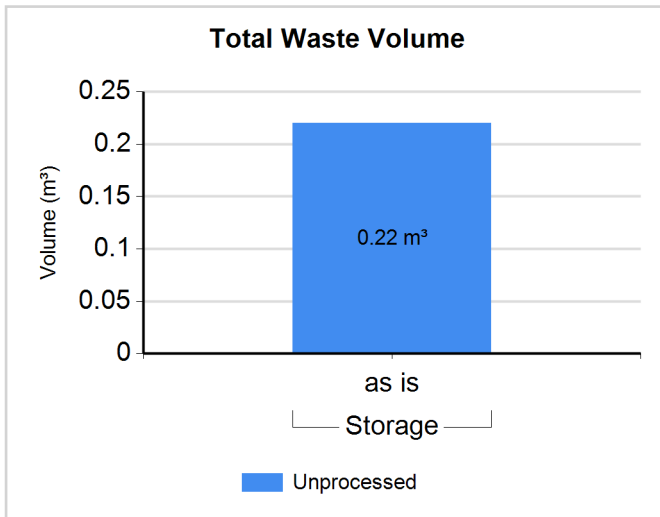
Full Name: Australian Capital Territory Government - Radiation Council

Inventory Reporting Date: December 2013

Waste Matrix Used: IAEA Def.

Waste Inventory

Est=distribution is an estimate, Proc.=Is the waste processed (Yes/No)? RO=Reactor Operations, FF/FE=Fuel Fabrication/Fuel Enrichment, RP=Reprocessing, NA=Nuclear Applications,DF=Defence, DC/RE=Decommissioning/Remediation, ND=Not Determined



Note: where volume "as dispo" is provided, volume "as is" is used in the graph instead.

Waste Class: LLW

Waste Class Name	Location / Facility	Proc	Est.	Volume "as is" (m³)	Volume "as dispo" (m³)	RO %	FF/FE %	RP %	NA %	DF %	DC/RE %	ND %
LLW	Storage	N	Y	0.220	0.220	0.00	0.00	0.00	0.00	0.00	0.00	100.00

Spent Sources <=30 years in Storage

No data available.

Spent Sources > 30 years in Storage

No data available.



## Site (Structure) : AAD

Country: AUSTRALIA

Reporting Year: 2013

Full Name: Australian Antarctic Division

Description:

Official Website:

License Holder(s):

Waste management facilities that are located at this site:

<b>Facility:</b>	<b>Waste</b>																				
Description:	Includes all radioactive waste controlled by the AAD																				
<p><b>Storage part of facility                      Waste</b></p> <p>The following shows storage status for waste classes and SRS.</p> <table border="1"> <thead> <tr> <th>Waste Class</th> <th>Actual</th> <th>Planned</th> </tr> </thead> <tbody> <tr> <td>VLLW</td> <td>No</td> <td>No</td> </tr> <tr> <td>LLW</td> <td>No</td> <td>No</td> </tr> <tr> <td>ILW</td> <td>No</td> <td>No</td> </tr> <tr> <td>HLW</td> <td>No</td> <td>No</td> </tr> </tbody> </table>							Waste Class	Actual	Planned	VLLW	No	No	LLW	No	No	ILW	No	No	HLW	No	No
Waste Class	Actual	Planned																			
VLLW	No	No																			
LLW	No	No																			
ILW	No	No																			
HLW	No	No																			
List SRS?	Yes																				
List UMMT?	No																				
Capacity:																					
Types of Storage Units																					
Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?															
AAD	various	0	No	No	No	Yes															

## Site (Data) : AAD

Stock of waste as at December 2013

Country: AUSTRALIA

Reporting Year: 2013

**Site Name:** AAD

Full Name: Australian Antarctic Division

Inventory Reporting Date: December 2013

Waste Matrix Used: IAEA Def.

### Spent Sources > 30 years in Storage

**No data available.**

## Site (Structure) : AIMS

Country: AUSTRALIA

Reporting Year: 2013

Full Name: Australian Institute of Marine Science

Description:

Official Website:

License Holder(s):

Waste management facilities that are located at this site:

<b>Facility:</b>	<b>Waste</b>					
Description:	All waste held by AIMS					
<b>Storage part of facility</b>		<b>Waste</b>				
The following shows storage status for waste classes and SRS.						
<b>Waste Class</b>	<b>Actual</b>	<b>Planned</b>				
VLLW	No	No				
LLW	No	No				
ILW	No	No				
HLW	No	No				
List SRS?	Yes					
List UMMT?	No					
Capacity:						
Types of Storage Units						
<b>Storage Unit Name</b>	<b>Type Name</b>	<b>Year Opened</b>	<b>Closed?</b>	<b>Full?</b>	<b>Modular?</b>	<b>Contains SRS?</b>
AIMS	various	0	No	No	No	Yes

**Site (Data) : AIMS**

Stock of waste as at December 2013

Country: AUSTRALIA

Reporting Year: 2013

**Site Name: AIMS**

Full Name: Australian Institute of Marine Science

Inventory Reporting Date: December 2013

Waste Matrix Used: IAEA Def.

**Spent Sources <=30 years in Storage**

**No data available.**

**Spent Sources > 30 years in Storage**

**No data available.**

## Site (Structure) : ANSTO RWM

Country: AUSTRALIA

Reporting Year: 2013

Full Name: Australian Nuclear Science and Technology Organisation (Lucas Heights) - Radioactive Waste Management Site

Description:

Official Website:

License Holder(s): CEO ANSTO

Waste management facilities that are located at this site:

<b>Facility:</b>	<b>Compactor</b>
<b>Description:</b>	Low level solid waste compaction facility

**Processing part of facility                      Compactor**

The following shows processing status for waste classes and SRS.

Waste Class	Actual	Planned
VLLW	Yes	No
LLW	Yes	No
ILW	Yes	No
HLW	No	No

<b>Type:</b>	Treatment
<b>Year opened:</b>	1956

## Site (Structure) : ANSTO RWM

Country: AUSTRALIA

Reporting Year: 2013

<b>Facility:</b>	<b>Decon</b>															
Description:	Decontamination centre															
<b>Processing part of facility</b>	<b>Decon</b>															
The following shows processing status for waste classes and SRS.																
<table border="1"><thead><tr><th>Waste Class</th><th>Actual</th><th>Planned</th></tr></thead><tbody><tr><td>VLLW</td><td>Yes</td><td>No</td></tr><tr><td>LLW</td><td>Yes</td><td>No</td></tr><tr><td>ILW</td><td>Yes</td><td>No</td></tr><tr><td>HLW</td><td>No</td><td>No</td></tr></tbody></table>	Waste Class	Actual	Planned	VLLW	Yes	No	LLW	Yes	No	ILW	Yes	No	HLW	No	No	
Waste Class	Actual	Planned														
VLLW	Yes	No														
LLW	Yes	No														
ILW	Yes	No														
HLW	No	No														
Type:	Treatment															
Year opened:	1956															

## Site (Structure) : ANSTO RWM

Country: AUSTRALIA

Reporting Year: 2013

<b>Facility:</b>	<b>Hot Cells</b>															
Description:	Hot Cells facility															
<b>Processing part of facility                      Hot Cells</b>																
The following shows processing status for waste classes and SRS.																
<table border="1"><thead><tr><th>Waste Class</th><th>Actual</th><th>Planned</th></tr></thead><tbody><tr><td>VLLW</td><td>Yes</td><td>No</td></tr><tr><td>LLW</td><td>Yes</td><td>No</td></tr><tr><td>ILW</td><td>Yes</td><td>No</td></tr><tr><td>HLW</td><td>No</td><td>No</td></tr></tbody></table>	Waste Class	Actual	Planned	VLLW	Yes	No	LLW	Yes	No	ILW	Yes	No	HLW	No	No	
Waste Class	Actual	Planned														
VLLW	Yes	No														
LLW	Yes	No														
ILW	Yes	No														
HLW	No	No														
Type:	Treatment															
Year opened:	1956															

## Site (Structure) : ANSTO RWM

Country: AUSTRALIA

Reporting Year: 2013

<b>Facility:</b>	<b>ILW liquid</b>
<b>Description:</b>	Intermediate level liquid waste storage and treatment facility

**Storage part of facility**                      **ILW liquid**

The following shows storage status for waste classes and SRS.

Waste Class	Actual	Planned
VLLW	No	No
LLW	No	No
ILW	Yes	No
HLW	No	No

<b>List SRS?</b>	No
<b>List UMMT?</b>	No

<b>Capacity:</b>	
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## Types of Storage Units

Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
ILW liquid	tank (stainless steel)	0	No	No	No	No

**Processing part of facility**                      **ILW liquid**

The following shows processing status for waste classes and SRS.

Waste Class	Actual	Planned
VLLW	No	No
LLW	No	No
ILW	Yes	No
HLW	No	No

<b>Type:</b>	Treatment
<b>Year opened:</b>	1956



## Site (Structure) : ANSTO RWM

Country: AUSTRALIA

Reporting Year: 2013

<b>Facility:</b>	<b>ILW store</b>
<b>Description:</b>	Intermediate level solid waste store facility

**Storage part of facility****ILW store**

The following shows storage status for waste classes and SRS.

Waste Class	Actual	Planned
VLLW	No	No
LLW	No	No
ILW	Yes	No
HLW	No	No

<b>List SRS?</b>	No
<b>List UMMT?</b>	No

<b>Capacity:</b>	
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## Types of Storage Units

Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
Bld yy	building	0	No	No	No	No

## Site (Structure) : ANSTO RWM

Country: AUSTRALIA

Reporting Year: 2013

<b>Facility:</b>	<b>LFBG</b>		
<b>Description:</b>	Little Forest Burial Ground - disposal facility		
<b>Disposal part of facility</b>		<b>LFBG</b>	
The following shows disposal status for waste classes and SRS.			
<b>Waste Class</b>	<b>Actual</b>	<b>Planned</b>	
VLLW	Yes	No	
LLW	Yes	No	
ILW	Yes	No	
HLW	No	No	
<b>List SRS?</b>	No		
<b>List UMMT?</b>	No		
<b>Type:</b>	trench(es)		
<b>Facility is modular?</b>	No		
<b>Depth (m):</b>		<b>Host medium:</b>	crystalline rock (other)
<b>Phase Name</b>	<b>Start Year</b>	<b>End Year</b>	<b>Estimate</b>
operation	1960	1968	True

## Site (Structure) : ANSTO RWM

Country: AUSTRALIA

Reporting Year: 2013

<b>Facility:</b>	<b>LLW liquid</b>		
<b>Description:</b>	Low level liquid waste treatment facility		
<b>Processing part of facility</b>		<b>LLW liquid</b>	
The following shows processing status for waste classes and SRS.			
<b>Waste Class</b>	<b>Actual</b>	<b>Planned</b>	
VLLW	Yes	No	
LLW	Yes	No	
ILW	No	No	
HLW	No	No	
<b>Type:</b>	Treatment		
<b>Year opened:</b>	1956		

## Site (Structure) : ANSTO RWM

Country: AUSTRALIA

Reporting Year: 2013

<b>Facility:</b>	<b>LLW store</b>					
<b>Description:</b>	Low level solid waste store					
<b>Storage part of facility</b>		<b>LLW store</b>				
The following shows storage status for waste classes and SRS.						
<b>Waste Class</b>	<b>Actual</b>	<b>Planned</b>				
VLLW	Yes	No				
LLW	Yes	No				
ILW	No	No				
HLW	No	No				
<b>List SRS?</b>	Yes					
<b>List UMMT?</b>	No					
<b>Capacity:</b>						
<b>Types of Storage Units</b>						
<b>Storage Unit Name</b>	<b>Type Name</b>	<b>Year Opened</b>	<b>Closed?</b>	<b>Full?</b>	<b>Modular?</b>	<b>Contains SRS?</b>
Bld xx	building	0	No	No	No	Yes

## Site (Structure) : ANSTO RWM

Country: AUSTRALIA

Reporting Year: 2013

<b>Facility:</b>	<b>WTPF</b>															
Description:	Waste treatment and packaging facility															
<b>Processing part of facility</b>	<b>WTPF</b>															
The following shows processing status for waste classes and SRS.																
<table border="1"><thead><tr><th>Waste Class</th><th>Actual</th><th>Planned</th></tr></thead><tbody><tr><td>VLLW</td><td>Yes</td><td>No</td></tr><tr><td>LLW</td><td>Yes</td><td>No</td></tr><tr><td>ILW</td><td>Yes</td><td>No</td></tr><tr><td>HLW</td><td>No</td><td>No</td></tr></tbody></table>	Waste Class	Actual	Planned	VLLW	Yes	No	LLW	Yes	No	ILW	Yes	No	HLW	No	No	
Waste Class	Actual	Planned														
VLLW	Yes	No														
LLW	Yes	No														
ILW	Yes	No														
HLW	No	No														
Type:	Treatment, Conditioning															
Year opened:	1956															

## Site (Data) : ANSTO RWM

Stock of waste as at December 2013

Country: AUSTRALIA

Reporting Year: 2013

**Site Name:** ANSTO RWM

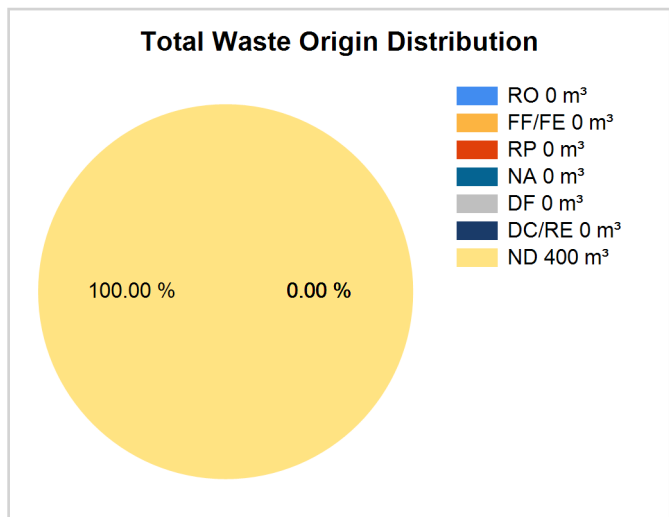
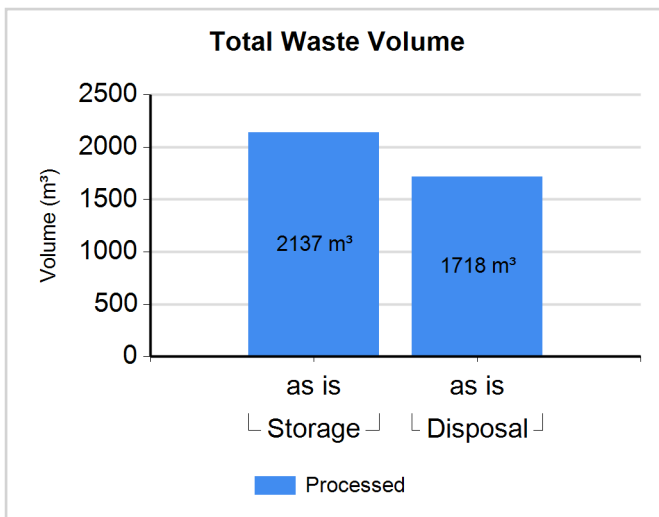
Full Name: Australian Nuclear Science and Technology Organisation (Lucas Heights) - Radioactive Waste Management Site

Inventory Reporting Date: December 2013

Waste Matrix Used: IAEA Def.

**Waste Inventory**

Est=distribution is an estimate, Proc.=Is the waste processed (Yes/No)? RO=Reactor Operations, FF/FE=Fuel Fabrication/Fuel Enrichment, RP=Reprocessing, NA=Nuclear Applications,DF=Defence, DC/RE=Decommissioning/Remediation, ND=Not Determined



Note: where volume "as dispo" is provided, volume "as is" is used in the graph instead.

**Waste Class:** LLW

Waste Class Name	Location / Facility	Proc	Est.	Volume "as is" (m³)	Volume "as dispo" (m³)	RO %	FF/FE %	RP %	NA %	DF %	DC/RE %	ND %
LLW	Storage / LLW store	Y	Y	1710.000	1710.000	0.00	0.00	0.00	0.00	0.00	0.00	100.00
LLW	Disposal / LFBG	Y	Y	1540.000	1540.000	0.00	0.00	0.00	0.00	0.00	0.00	100.00

**Waste Class:** ILW

Waste Class Name	Location / Facility	Proc	Est.	Volume "as is" (m³)	Volume "as dispo" (m³)	RO %	FF/FE %	RP %	NA %	DF %	DC/RE %	ND %
ILW	Storage / ILW store	Y	Y	427.000	427.000	0.00	0.00	0.00	0.00	0.00	0.00	100.00
ILW	Disposal / LFBG	Y	Y	178.000	178.000	0.00	0.00	0.00	0.00	0.00	0.00	100.00

**Processing - Treatment method(s)**

No data available.

**Processing - Conditioning method(s)**

No data available.

**Site (Data) : ANSTO RWM**

Stock of waste as at December 2013

Country: AUSTRALIA

Reporting Year: 2013

**Spent Sources  $\leq$ 30 years in Storage**

No data available.

**Spent Sources  $>$  30 years in Storage**

No data available.

## Site (Structure) : ANU

Country: AUSTRALIA

Reporting Year: 2013

Full Name: Australian National University

Description:

Official Website:

License Holder(s):

Waste management facilities that are located at this site:

<b>Facility:</b>	<b>ANU Store</b>					
<b>Description:</b>	Australian National University Radioactive Waste Storage Facility					
<b>Storage part of facility ANU Store</b>						
The following shows storage status for waste classes and SRS.						
<b>Waste Class</b>	<b>Actual</b>	<b>Planned</b>				
VLLW	No	No				
LLW	No	No				
ILW	No	No				
HLW	No	No				
<b>List SRS?</b>	Yes					
<b>List UMMT?</b>	No					
<b>Capacity:</b>						
<b>Types of Storage Units</b>						
<b>Storage Unit Name</b>	<b>Type Name</b>	<b>Year Opened</b>	<b>Closed?</b>	<b>Full?</b>	<b>Modular?</b>	<b>Contains SRS?</b>
Store	not in list	0	No	No	No	Yes



## Site (Data) : ANU

Stock of waste as at December 2013

Country: AUSTRALIA

Reporting Year: 2013

**Site Name:** ANU

Full Name: Australian National University

Inventory Reporting Date: December 2013

Waste Matrix Used: IAEA Def.

### Spent Sources $\leq 30$ years in Storage

No data available.

### Spent Sources $> 30$ years in Storage

No data available.

## Site (Structure) : ARPANSA

Country: AUSTRALIA

Reporting Year: 2013

Full Name: Australian Radiation Protection and Nuclear Safety Agency - Radioactive Waste Management Site

Description:

Official Website:

License Holder(s): Director, Environmental and Radiation Health Branch

Waste management facilities that are located at this site:

<b>Facility:</b>	<b>Store</b>					
Description:						
<b>Storage part of facility</b>						
<b>Store</b>						
The following shows storage status for waste classes and SRS.						
Waste Class	Actual	Planned				
VLLW	No	No				
LLW	Yes	No				
ILW	Yes	No				
HLW	No	No				
List SRS?	Yes					
List UMMT?	No					
Capacity:						
Types of Storage Units						
Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
Store	not in list	0	No	No	No	Yes

## Site (Data) : ARPANSA

Stock of waste as at December 2013

Country: AUSTRALIA

Reporting Year: 2013

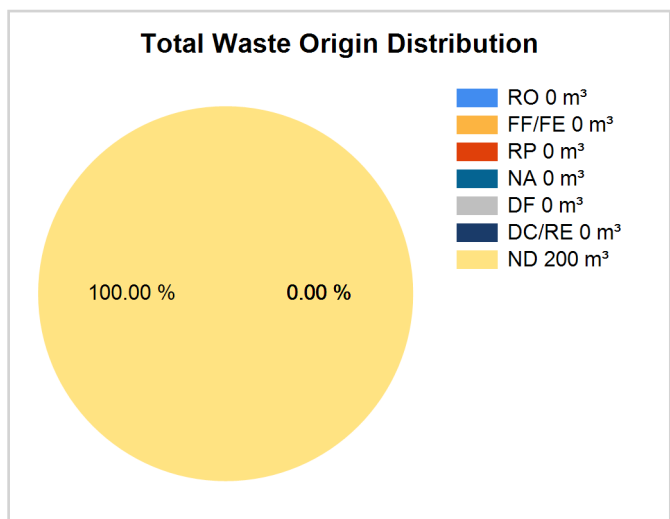
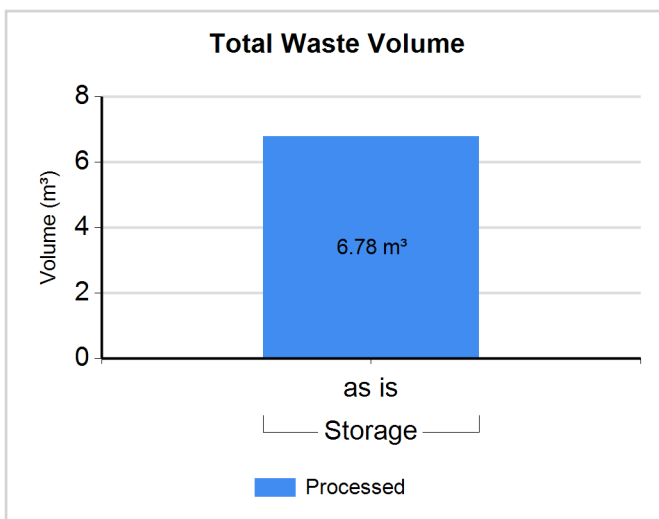
**Site Name:** ARPANSAFull Name: Australian Radiation Protection and Nuclear Safety Agency -  
Radioactive Waste Management Site

Inventory Reporting Date: December 2013

Waste Matrix Used: IAEA Def.

**Waste Inventory**

Est=distribution is an estimate, Proc.=Is the waste processed (Yes/No)? RO=Reactor Operations, FF/FE=Fuel Fabrication/Fuel Enrichment, RP=Reprocessing, NA=Nuclear Applications,DF=Defence, DC/RE=Decommissioning/Remediation, ND=Not Determined



Note: where volume "as dispo" is provided, volume "as is" is used in the graph instead.

**Waste Class: LLW**

Waste Class Name	Location / Facility	Proc	Est.	Volume "as is" (m³)	Volume "as dispo" (m³)	RO %	FF/FE %	RP %	NA %	DF %	DC/RE %	ND %
LLW	Storage	Y	N	0.280	0.280	0.00	0.00	0.00	0.00	0.00	0.00	100.00

**Waste Class: ILW**

Waste Class Name	Location / Facility	Proc	Est.	Volume "as is" (m³)	Volume "as dispo" (m³)	RO %	FF/FE %	RP %	NA %	DF %	DC/RE %	ND %
ILW	Storage	Y	N	6.500	6.500	0.00	0.00	0.00	0.00	0.00	0.00	100.00

**Spent Sources <=30 years in Storage**

No data available.

**Spent Sources > 30 years in Storage**

No data available.

**Multiple Nuclides SRS in Storage**

No data available.

## Site (Structure) : CSIRO

Country: AUSTRALIA

Reporting Year: 2013

Full Name: Commonwealth Scientific and Industrial Research Organisation

Description:

Official Website:

License Holder(s):

Waste management facilities that are located at this site:

<b>Facility:</b>	<b>CSIRO Labs</b>					
<b>Description:</b>	CSIRO - Various sites around Australia including Lucas Heights, North Ryde, Clayton and Black Mountain plus others.					
<b>Storage part of facility</b>						
<b>CSIRO Labs</b>						
The following shows storage status for waste classes and SRS.						
<b>Waste Class</b>	<b>Actual</b>	<b>Planned</b>				
VLLW	Yes	No				
LLW	Yes	No				
ILW	No	No				
HLW	No	No				
<b>List SRS?</b>	Yes					
<b>List UMMT?</b>	Yes					
<b>Capacity:</b>						
<b>Types of Storage Units</b>						
<b>Storage Unit Name</b>	<b>Type Name</b>	<b>Year Opened</b>	<b>Closed?</b>	<b>Full?</b>	<b>Modular?</b>	<b>Contains SRS?</b>
Store	not in list	0	No	No	No	No

## Site (Structure) : CSIRO

Country: AUSTRALIA

Reporting Year: 2013

<b>Facility:</b>	<b>Woomera</b>					
<b>Description:</b>	CSIRO - Woomera Prohibited Area facility on Department of Defence site - used to store large quantities of low-level (contaminated soil and treated ore wastes) stored in drums.					
<b>Storage part of facility</b>		<b>Woomera</b>				
The following shows storage status for waste classes and SRS.						
<b>Waste Class</b>	<b>Actual</b>	<b>Planned</b>				
VLLW	Yes	No				
LLW	Yes	No				
ILW	No	No				
HLW	No	No				
<b>List SRS?</b>	No					
<b>List UMMT?</b>	Yes					
<b>Capacity:</b>						
<b>Types of Storage Units</b>						
<b>Storage Unit Name</b>	<b>Type Name</b>	<b>Year Opened</b>	<b>Closed?</b>	<b>Full?</b>	<b>Modular?</b>	<b>Contains SRS?</b>
Hangar 5	not in list	0	Yes	No	No	Yes

## Site (Data) : CSIRO

Stock of waste as at December 2013

Country: AUSTRALIA

Reporting Year: 2013

**Site Name:** CSIRO

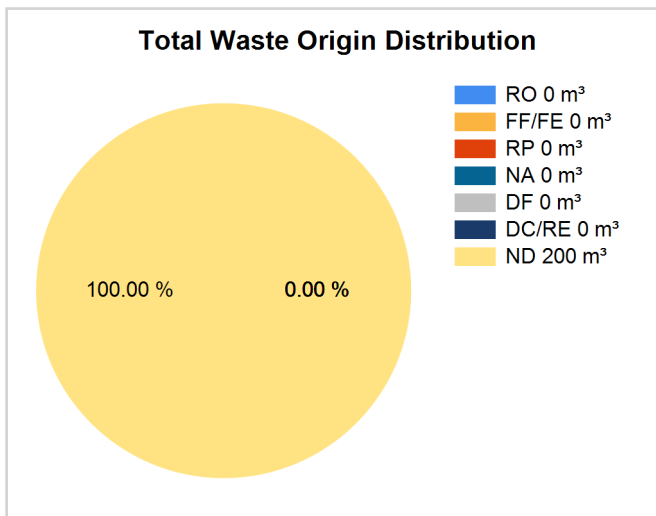
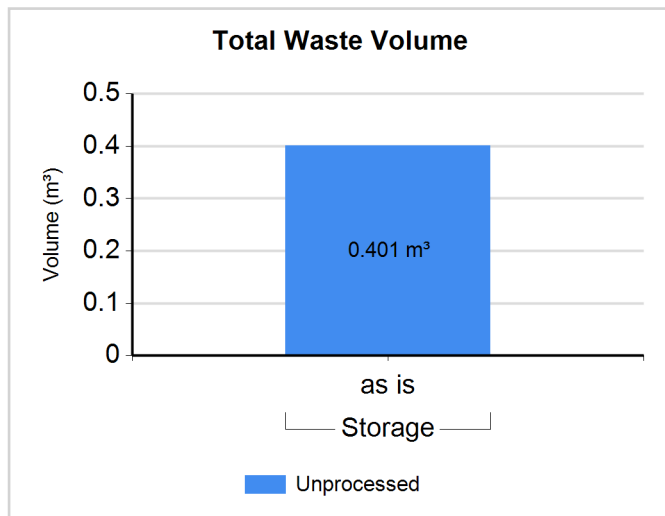
Full Name: Commonwealth Scientific and Industrial Research Organisation

Inventory Reporting Date: December 2013

Waste Matrix Used: IAEA Def.

**Waste Inventory**

Est=distribution is an estimate, Proc.=Is the waste processed (Yes/No)? RO=Reactor Operations, FF/FE=Fuel Fabrication/Fuel Enrichment, RP=Reprocessing, NA=Nuclear Applications,DF=Defence, DC/RE=Decommissioning/Remediation, ND=Not Determined



Note: where volume "as dispo" is provided, volume "as is" is used in the graph instead.

**Waste Class:** VLLW

Waste Class Name	Location / Facility	Proc	Est.	Volume "as is" (m³)	Volume "as dispo" (m³)	RO %	FF/FE %	RP %	NA %	DF %	DC/RE %	ND %
VLLW	Storage / CSIRO Labs	N	Y	0.400	0.400	0.00	0.00	0.00	0.00	0.00	0.00	100.00

**Waste Class:** LLW

Waste Class Name	Location / Facility	Proc	Est.	Volume "as is" (m³)	Volume "as dispo" (m³)	RO %	FF/FE %	RP %	NA %	DF %	DC/RE %	ND %
LLW	Storage / CSIRO Labs	N	Y	0.001	0.001	0.00	0.00	0.00	0.00	0.00	0.00	100.00

**Spent Sources <=30 years in Storage**

No data available.

**Spent Sources > 30 years in Storage**

No data available.

**Site (Data) : CSIRO**

Stock of waste as at December 2013

Country: AUSTRALIA

Reporting Year: 2013

**UMMT in Storage**

Total Mass (t):	2000
Average Density (kg/m <sup>3</sup> ):	950

Comment

**# 26905: CSIRO UMMT**

This consists of approximately 10,000 drums (210L) of approximately 2000 tons of lightly contaminated soil and other solid material (mining and milling waste).

## Site (Structure) : Defence

Country: AUSTRALIA

Reporting Year: 2013

Full Name: Defence Department Radioactive Waste Management Site (incorporating facilities from different areas)

Description:

Official Website:

License Holder(s):

Waste management facilities that are located at this site:

<b>Facility:</b>	<b>Salisbury</b>
<b>Description:</b>	RAAF base Edinburgh, South Australia

**Storage part of facility Salisbury**

The following shows storage status for waste classes and SRS.

Waste Class	Actual	Planned
VLLW	Yes	No
LLW	Yes	No
ILW	Yes	No
HLW	No	No

List SRS?	Yes
List UMMT?	No

Capacity:	
-----------	--

Types of Storage Units

Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
Bld 16	building	0	Yes	No	No	Yes



## Site (Structure) : Defence

Country: AUSTRALIA

Reporting Year: 2013

<b>Facility:</b>	<b>Woomera</b>
<b>Description:</b>	Evatts Field, Woomera Prohibited Area, South Australia - predominantly disused watches, compasses, old medical sources and irradiation sources. The concrete bunker has concrete blast walls on 3 sides with raised earthen mounds on 2 of these sides.

**Storage part of facility                      Woomera**

The following shows storage status for waste classes and SRS.

Waste Class	Actual	Planned
VLLW	Yes	No
LLW	Yes	No
ILW	Yes	No
HLW	No	No

<b>List SRS?</b>	Yes
<b>List UMMT?</b>	No

<b>Capacity:</b>	
------------------	--

## Types of Storage Units

Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
LA5	bunker	0	Yes	No	No	No

## Site (Data) : Defence

Stock of waste as at December 2013

Country: AUSTRALIA

Reporting Year: 2013

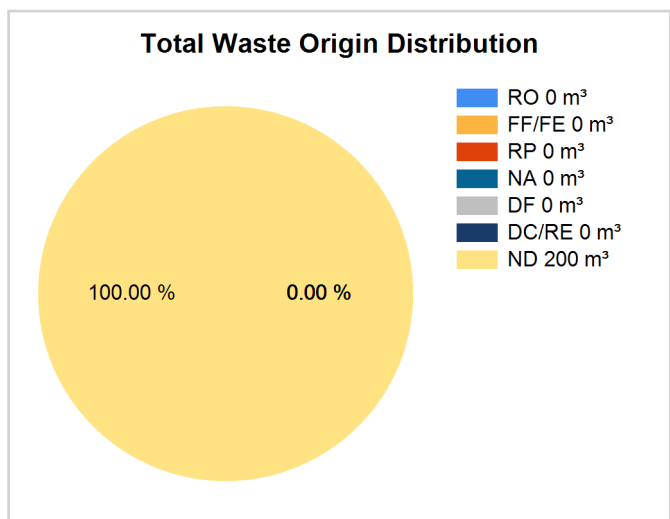
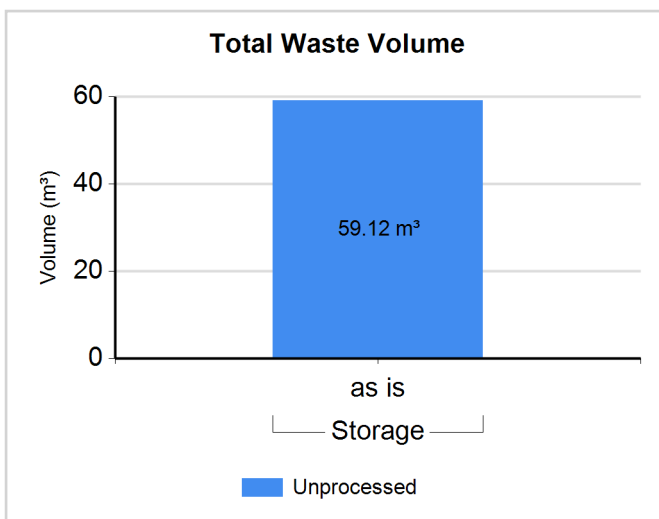
**Site Name:** DefenceFull Name: Defence Department Radioactive Waste Management Site  
(incorporating facilities from different areas)

Inventory Reporting Date: December 2013

Waste Matrix Used: IAEA Def.

**Waste Inventory**

Est=distribution is an estimate, Proc.=Is the waste processed (Yes/No)? RO=Reactor Operations, FF/FE=Fuel Fabrication/Fuel Enrichment, RP=Reprocessing, NA=Nuclear Applications,DF=Defence, DC/RE=Decommissioning/Remediation, ND=Not Determined



Note: where volume "as dispo" is provided, volume "as is" is used in the graph instead.

**Waste Class: LLW**

Waste Class Name	Location / Facility	Proc	Est.	Volume "as is" (m³)	Volume "as dispo" (m³)	RO %	FF/FE %	RP %	NA %	DF %	DC/RE %	ND %
LLW	Storage	N	Y	13.380	13.380	0.00	0.00	0.00	0.00	0.00	0.00	100.00

**Waste Class: ILW**

Waste Class Name	Location / Facility	Proc	Est.	Volume "as is" (m³)	Volume "as dispo" (m³)	RO %	FF/FE %	RP %	NA %	DF %	DC/RE %	ND %
ILW	Storage	N	Y	45.740	45.740	0.00	0.00	0.00	0.00	0.00	0.00	100.00

**Spent Sources <=30 years in Storage**

No data available.

**Spent Sources > 30 years in Storage**

No data available.

**Multiple Nuclides SRS in Storage**

No data available.

## Site (Structure) : NMI

Country: AUSTRALIA

Reporting Year: 2013

Full Name: National Measurement Institute

Description:

Official Website:

License Holder(s):

Waste management facilities that are located at this site:

<b>Facility:</b>	<b>Waste</b>					
Description:	All waste held by NMI					
<b>Storage part of facility Waste</b>						
The following shows storage status for waste classes and SRS.						
Waste Class	Actual	Planned				
VLLW	No	No				
LLW	No	No				
ILW	No	No				
HLW	No	No				
List SRS?	Yes					
List UMMT?	No					
Capacity:						
Types of Storage Units						
Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
NMI	various	0	No	No	No	Yes

**Site (Data) : NMI**

Stock of waste as at December 2013

Country: AUSTRALIA

Reporting Year: 2013

**Site Name:** NMI

Full Name: National Measurement Institute

Inventory Reporting Date: December 2013

Waste Matrix Used: IAEA Def.

**Spent Sources <=30 years in Storage**

No data available.

**Spent Sources > 30 years in Storage**

No data available.

Site (Structure) : PAN

Country: AUSTRALIA

Reporting Year: 2013

Full Name: Parks Australia North

Description:

Official Website:

License Holder(s):

Waste management facilities that are located at this site:

## Site (Structure) : PAN

Country: AUSTRALIA

Reporting Year: 2013

<b>Facility:</b>	<b>EI Sherana</b>
Description:	Containment Facility
Detailed Facility Description:	disposal facility for remediated waste from legacy uranium mining and milling sites in the Upper South Alligator River Valley
Waste Packages:	soil, tailings, waste rock and plant

**Disposal part of facility EI Sherana**

The following shows disposal status for waste classes and SRS.

Waste Class	Actual	Planned
VLLW	No	No
LLW	Yes	No
ILW	No	No
HLW	No	No

List SRS?	No
List UMMT?	No

Type:	trench(es)		
Facility is modular?	No		
Capacity existing (m3):	25000	Capacity planned (m3):	25000

Depth (m):	5	Host medium:	unknown (site not selected)
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Phase Name	Start Year	End Year	Estimate
construction	2009	2009	False
commissioning	2009	2009	False
operation	2009	2009	False
closure	2009	2009	False

Site (Data) : PAN

Stock of waste as at December 2013

Country: AUSTRALIA

Reporting Year: 2013

Site Name: PAN

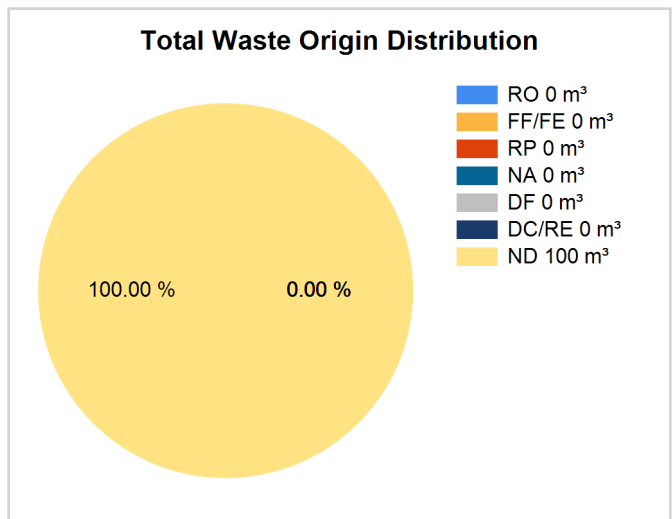
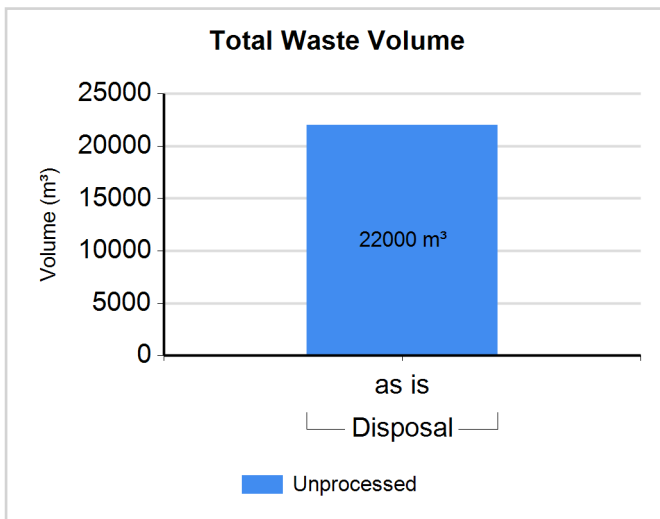
Full Name: Parks Australia North

Inventory Reporting Date: December 2013

Waste Matrix Used: IAEA Def.

Waste Inventory

Est=distribution is an estimate, Proc.=Is the waste processed (Yes/No)? RO=Reactor Operations, FF/FE=Fuel Fabrication/Fuel Enrichment, RP=Reprocessing, NA=Nuclear Applications,DF=Defence, DC/RE=Decommissioning/Remediation, ND=Not Determined



Note: where volume "as dispo" is provided, volume "as is" is used in the graph instead.

Waste Class: LLW

Waste Class Name	Location / Facility	Proc	Est.	Volume "as is" (m³)	Volume "as dispo" (m³)	RO %	FF/FE %	RP %	NA %	DF %	DC/RE %	ND %
LLW	Disposal	N	Y	22000.000	22000.000	0.00	0.00	0.00	0.00	0.00	0.00	100.00

## Site (Structure) : SSD

Country: AUSTRALIA

Reporting Year: 2013

Full Name: Supervising Scientist Division

Description:

Official Website:

License Holder(s):

Waste management facilities that are located at this site:

<b>Facility:</b>	<b>waste</b>																			
Description:	All waste held by SSD																			
<p><b>Storage part of facility                      waste</b></p> <p>The following shows storage status for waste classes and SRS.</p> <table border="1"> <thead> <tr> <th>Waste Class</th> <th>Actual</th> <th>Planned</th> </tr> </thead> <tbody> <tr> <td>VLLW</td> <td>No</td> <td>No</td> </tr> <tr> <td>LLW</td> <td>No</td> <td>No</td> </tr> <tr> <td>ILW</td> <td>No</td> <td>No</td> </tr> <tr> <td>HLW</td> <td>No</td> <td>No</td> </tr> </tbody> </table> <table border="1"> <tr> <td>List SRS?</td> <td>Yes</td> </tr> <tr> <td>List UMMT?</td> <td>No</td> </tr> </table> <p>Capacity:</p>		Waste Class	Actual	Planned	VLLW	No	No	LLW	No	No	ILW	No	No	HLW	No	No	List SRS?	Yes	List UMMT?	No
Waste Class	Actual	Planned																		
VLLW	No	No																		
LLW	No	No																		
ILW	No	No																		
HLW	No	No																		
List SRS?	Yes																			
List UMMT?	No																			
Types of Storage Units																				
<table border="1"> <thead> <tr> <th>Storage Unit Name</th> <th>Type Name</th> <th>Year Opened</th> <th>Closed?</th> <th>Full?</th> <th>Modular?</th> <th>Contains SRS?</th> </tr> </thead> <tbody> <tr> <td>SSD</td> <td>various</td> <td>0</td> <td>No</td> <td>No</td> <td>No</td> <td>Yes</td> </tr> </tbody> </table>		Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?	SSD	various	0	No	No	No	Yes					
Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?														
SSD	various	0	No	No	No	Yes														



## Site (Data) : SSD

Stock of waste as at December 2013

Country: AUSTRALIA

Reporting Year: 2013

**Site Name:** SSD

Full Name: Supervising Scientist Division

Inventory Reporting Date: December 2013

Waste Matrix Used: IAEA Def.

### **Spent Sources <=30 years in Storage**

**No data available.**

### **Spent Sources > 30 years in Storage**

**No data available.**

## Site (Structure) : NSW DoEC

Country: AUSTRALIA

Reporting Year: 2013

Full Name: New South Wales - Department of Environment and Conservation

Description:

Official Website:

License Holder(s): Minister for Climate Change and the Environment, Department of Environment and Climate Change, Hazardous Materials and Radiation Section

Waste management facilities that are located at this site:

<b>Facility:</b>	<b>NSW Store</b>					
<b>Description:</b>	New South Wales - Department of Environment and Conservation, Radioactive Waste Storage Facility					
<b>Storage part of facility</b>		<b>NSW Store</b>				
The following shows storage status for waste classes and SRS.						
<b>Waste Class</b>	<b>Actual</b>	<b>Planned</b>				
VLLW	Yes	No				
LLW	Yes	No				
ILW	Yes	No				
HLW	No	No				
<b>List SRS?</b>	Yes					
<b>List UMMT?</b>	No					
<b>Capacity:</b>						
<b>Types of Storage Units</b>						
<b>Storage Unit Name</b>	<b>Type Name</b>	<b>Year Opened</b>	<b>Closed?</b>	<b>Full?</b>	<b>Modular?</b>	<b>Contains SRS?</b>
Store unit	container (ISO)	0	Yes	No	No	Yes

## Site (Data) : NSW DoEC

Stock of waste as at December 2013

Country: AUSTRALIA

Reporting Year: 2013

**Site Name:** NSW DoEC

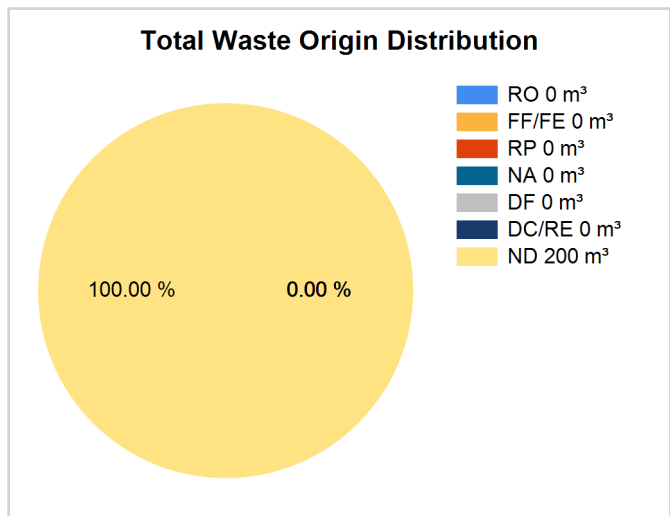
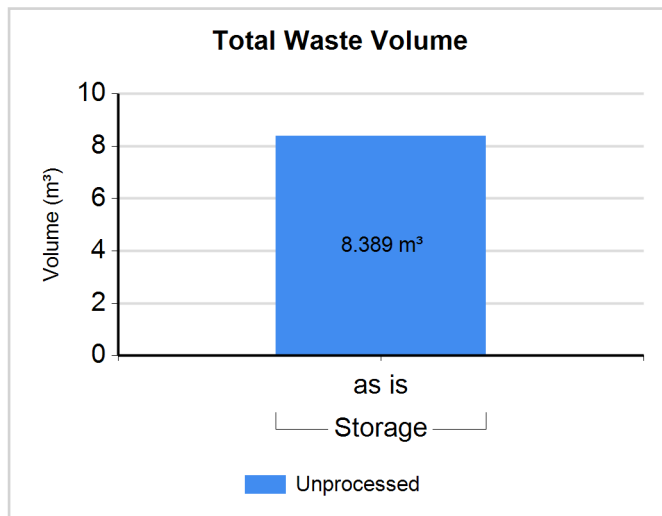
Full Name: New South Wales - Department of Environment and Conservation

Inventory Reporting Date: December 2013

Waste Matrix Used: IAEA Def.

**Waste Inventory**

Est=distribution is an estimate, Proc.=Is the waste processed (Yes/No)? RO=Reactor Operations, FF/FE=Fuel Fabrication/Fuel Enrichment, RP=Reprocessing, NA=Nuclear Applications,DF=Defence, DC/RE=Decommissioning/Remediation, ND=Not Determined



Note: where volume "as dispo" is provided, volume "as is" is used in the graph instead.

**Waste Class: LLW**

Waste Class Name	Location / Facility	Proc	Est.	Volume "as is" (m³)	Volume "as dispo" (m³)	RO %	FF/FE %	RP %	NA %	DF %	DC/RE %	ND %
LLW	Storage / NSW Store	N	Y	5.520	5.520	0.00	0.00	0.00	0.00	0.00	0.00	100.00

**Waste Class: ILW**

Waste Class Name	Location / Facility	Proc	Est.	Volume "as is" (m³)	Volume "as dispo" (m³)	RO %	FF/FE %	RP %	NA %	DF %	DC/RE %	ND %
ILW	Storage	N	Y	2.869	2.869	0.00	0.00	0.00	0.00	0.00	0.00	100.00

**Spent Sources <=30 years in Storage**

No data available.

**Spent Sources > 30 years in Storage**

No data available.

## Site (Structure) : Mt Todd

Country: AUSTRALIA

Reporting Year: 2013

Full Name: Mt Todd Mine gold mine - rehabilitation site, uranium tailings

Description:

Official Website:

License Holder(s):

Waste management facilities that are located at this site:

<b>Facility:</b>	<b>Mt Todd</b>		
Description:	Mt Todd gold mine - rehabilitation site, legacy uranium tailings		
<b>Storage part of facility</b>			
<b>Mt Todd</b>			
The following shows storage status for waste classes and SRS.			
<b>Waste Class</b>	<b>Actual</b>	<b>Planned</b>	
VLLW	No	No	
LLW	No	No	
ILW	No	No	
HLW	No	No	
List SRS?	No		
List UMMT?	Yes		
Capacity:			

## Site (Data) : Mt Todd

Stock of waste as at December 2013

Country: AUSTRALIA

Reporting Year: 2013

**Site Name:** Mt Todd

Full Name: Mt Todd Mine gold mine - rehabilitation site, uranium tailings

Inventory Reporting Date: December 2013 Waste Matrix Used: IAEA Def.

### UMMT in Storage

**No data available.**

## Site (Structure) : NT DoHF

Country: AUSTRALIA

Reporting Year: 2013

Full Name: Northern Territory Government - Department of Health and Families

Description:

Official Website:

License Holder(s): Chief Health Officer, Department of Health and Families, Radiation Protection section

Waste management facilities that are located at this site:

<b>Facility:</b>	<b>NT Store</b>					
<b>Description:</b>	Northern Territory Government - Department of Health and Families, Radioactive Waste Storage Facility at Royal Darwin Hospital					
<b>Storage part of facility</b>		<b>NT Store</b>				
The following shows storage status for waste classes and SRS.						
<b>Waste Class</b>	<b>Actual</b>	<b>Planned</b>				
VLLW	No	No				
LLW	No	No				
ILW	No	No				
HLW	No	No				
<b>List SRS?</b>	Yes					
<b>List UMMT?</b>	No					
<b>Capacity:</b>						
<b>Types of Storage Units</b>						
<b>Storage Unit Name</b>	<b>Type Name</b>	<b>Year Opened</b>	<b>Closed?</b>	<b>Full?</b>	<b>Modular?</b>	<b>Contains SRS?</b>
Store	not in list	0	No	No	No	Yes

**Site (Data) : NT DoHF**

Stock of waste as at December 2013

Country: AUSTRALIA

Reporting Year: 2013

**Site Name:** NT DoHF

Full Name: Northern Territory Government - Department of Health and Families

Inventory Reporting Date: December 2013 Waste Matrix Used: IAEA Def.

**Spent Sources <=30 years in Storage**

No data available.

**Spent Sources > 30 years in Storage**

No data available.

## Site (Structure) : Ranger

Country: AUSTRALIA

Reporting Year: 2013

Full Name: ERA Ranger Mine - tailings dam, evaporation ponds, and solid waste disposal stockpiles.

Description:

Official Website:

License Holder(s):

Waste management facilities that are located at this site:

<b>Facility:</b>	<b>Tailings</b>					
Description:	Tailings dam					
<b>Storage part of facility                      Tailings</b>						
The following shows storage status for waste classes and SRS.						
Waste Class	Actual	Planned				
VLLW	No	No				
LLW	No	No				
ILW	No	No				
HLW	No	No				
List SRS?	No					
List UMMT?	Yes					
Capacity:						
Types of Storage Units						
Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
tailings	not in list	1940	No	No	No	No



**Site (Data) : Ranger**

Stock of waste as at December 2013

Country: AUSTRALIA

Reporting Year: 2013

**Site Name:** Ranger

Full Name: ERA Ranger Mine - tailings dam, evaporation ponds, and solid waste disposal stockpiles.

Inventory Reporting Date: December 2013

Waste Matrix Used: IAEA Def.

**UMMT in Storage**

Total Mass (t):	43100000
Average Density (kg/m <sup>3</sup> ):	1600

Comment # 20577: UMMT

tailings produced from 1 sep 2005 to 30 sep 2008, 6.4Mt. Overall total tailings deposited at Ranger, 38.8Mt

update: as of 1/7/11, total tailings deposited at Ranger is 43.1Mt

## Site (Structure) : Qld DoH

Country: AUSTRALIA

Reporting Year: 2013

Full Name: Queensland Government - Department of Health

Description:

Official Website:

License Holder(s): Minister for Health, QLD Department of Health, Radiation Health Unit

Waste management facilities that are located at this site:

<b>Facility:</b>	<b>Esk Store</b>					
<b>Description:</b>	Queensland Government - Department of Health, Radioactive Waste Storage Facility					
<b>Storage part of facility</b>						
<b>Esk Store</b>						
The following shows storage status for waste classes and SRS.						
<b>Waste Class</b>	<b>Actual</b>	<b>Planned</b>				
VLLW	Yes	No				
LLW	Yes	No				
ILW	Yes	No				
HLW	No	No				
<b>List SRS?</b>	Yes					
<b>List UMMT?</b>	No					
<b>Capacity:</b>						
<b>Types of Storage Units</b>						
<b>Storage Unit Name</b>	<b>Type Name</b>	<b>Year Opened</b>	<b>Closed?</b>	<b>Full?</b>	<b>Modular?</b>	<b>Contains SRS?</b>
Store	building	0	No	No	No	Yes

## Site (Data) : Qld DoH

Stock of waste as at December 2013

Country: AUSTRALIA

Reporting Year: 2013

**Site Name:** Qld DoH

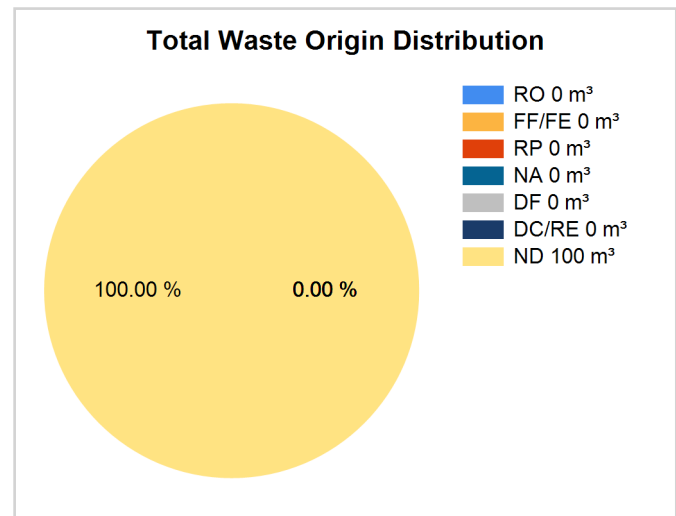
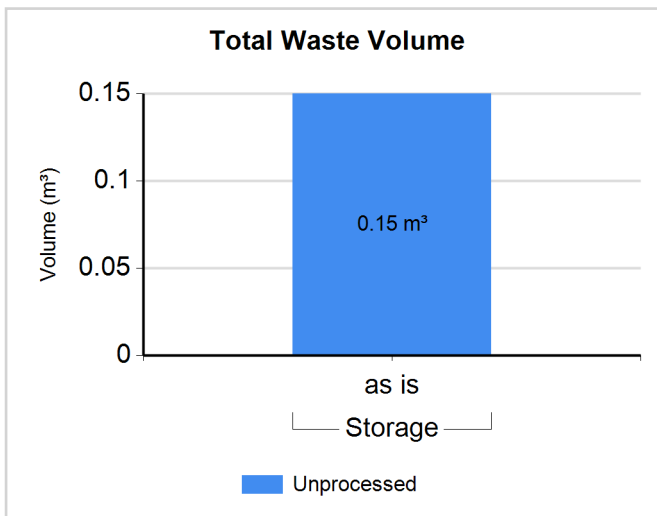
Full Name: Queensland Government - Department of Health

Inventory Reporting Date: December 2013

Waste Matrix Used: IAEA Def.

**Waste Inventory**

Est=distribution is an estimate, Proc.=Is the waste processed (Yes/No)? RO=Reactor Operations, FF/FE=Fuel Fabrication/Fuel Enrichment, RP=Reprocessing, NA=Nuclear Applications,DF=Defence, DC/RE=Decommissioning/Remediation, ND=Not Determined



Note: where volume "as dispo" is provided, volume "as is" is used in the graph instead.

**Waste Class:** LLW

Waste Class Name	Location / Facility	Proc	Est.	Volume "as is" (m³)	Volume "as dispo" (m³)	RO %	FF/FE %	RP %	NA %	DF %	DC/RE %	ND %
LLW	Storage	N	Y	0.150	0.150	0.00	0.00	0.00	0.00	0.00	0.00	100.00

**Spent Sources <=30 years in Storage**

No data available.

**Spent Sources > 30 years in Storage**

No data available.

## Site (Structure) : Beverley

Country: AUSTRALIA

Reporting Year: 2013

Full Name: Beverley Uranium Mine - Evaporation ponds, a liquid waste re-injection well and a solid waste disposal pit.

Description:

Official Website:

License Holder(s):

Waste management facilities that are located at this site:

<b>Facility:</b>	<b>Solidwaste</b>
Description:	Contaminated soil and solids from U processing

**Storage part of facility                      Solidwaste**

The following shows storage status for waste classes and SRS.

Waste Class	Actual	Planned
VLLW	No	No
LLW	Yes	No
ILW	No	No
HLW	No	No

List SRS?	No
List UMMT?	Yes

Capacity:	
-----------	--

Types of Storage Units

Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
LLW	not in list	1940	No	No	No	No

## Site (Data) : Beverley

Stock of waste as at December 2013

Country: AUSTRALIA

Reporting Year: 2013

**Site Name:** Beverley

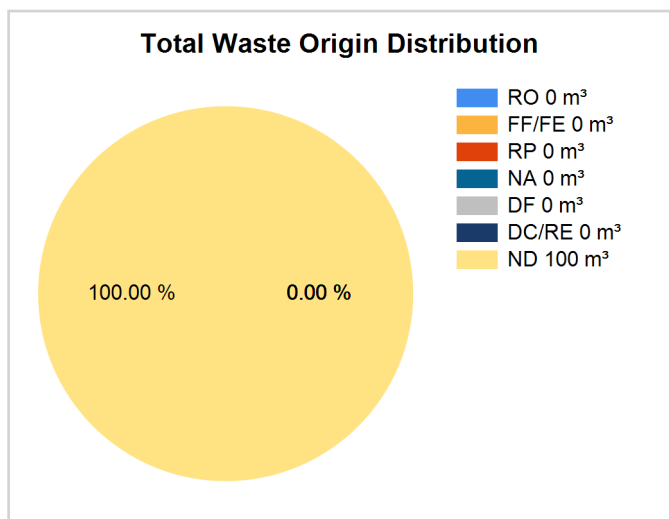
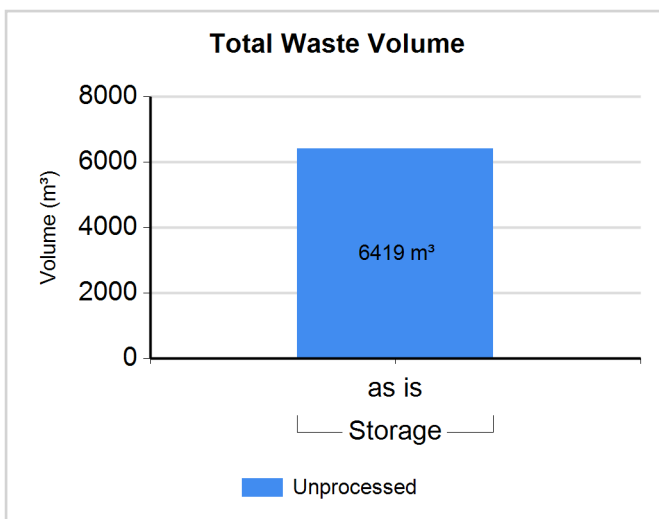
Full Name: Beverley Uranium Mine - Evaporation ponds, a liquid waste re-injection well and a solid waste disposal pit.

Inventory Reporting Date: December 2013

Waste Matrix Used: IAEA Def.

**Waste Inventory**

Est=distribution is an estimate, Proc.=Is the waste processed (Yes/No)? RO=Reactor Operations, FF/FE=Fuel Fabrication/Fuel Enrichment, RP=Reprocessing, NA=Nuclear Applications,DF=Defence, DC/RE=Decommissioning/Remediation, ND=Not Determined



Note: where volume "as dispo" is provided, volume "as is" is used in the graph instead.

**Waste Class:** LLW

Waste Class Name	Location / Facility	Proc	Est.	Volume "as is" (m³)	Volume "as dispo" (m³)	RO %	FF/FE %	RP %	NA %	DF %	DC/RE %	ND %
LLW	Storage	N	N	6419.000	6419.000	0.00	0.00	0.00	0.00	0.00	0.00	100.00

**UMMT in Storage**

No data available.

## Site (Structure) : Honeymoon

Country: AUSTRALIA

Reporting Year: 2013

Full Name: Honeymoon Uranium Mine - Evaporation pond, a liquid waste reinjection well and a solid waste storage area.

Description:

Official Website:

License Holder(s):

Waste management facilities that are located at this site:

<b>Facility:</b>	<b>Solidwaste</b>																								
<b>Description:</b>	Contaminated soil and solids from U processing																								
<p><b>Storage part of facility                      Solidwaste</b></p> <p>The following shows storage status for waste classes and SRS.</p> <table border="1"> <thead> <tr> <th>Waste Class</th> <th>Actual</th> <th>Planned</th> </tr> </thead> <tbody> <tr> <td>VLLW</td> <td>No</td> <td>No</td> </tr> <tr> <td>LLW</td> <td>Yes</td> <td>No</td> </tr> <tr> <td>ILW</td> <td>No</td> <td>No</td> </tr> <tr> <td>HLW</td> <td>No</td> <td>No</td> </tr> </tbody> </table> <table border="1"> <tr> <td>List SRS?</td> <td>No</td> </tr> <tr> <td>List UMMT?</td> <td>Yes</td> </tr> </table> <p>Capacity:</p>							Waste Class	Actual	Planned	VLLW	No	No	LLW	Yes	No	ILW	No	No	HLW	No	No	List SRS?	No	List UMMT?	Yes
Waste Class	Actual	Planned																							
VLLW	No	No																							
LLW	Yes	No																							
ILW	No	No																							
HLW	No	No																							
List SRS?	No																								
List UMMT?	Yes																								
Types of Storage Units																									
Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?																			
LLW	not in list	1940	No	No	No	No																			

## Site (Data) : Honeymoon

Stock of waste as at December 2013

Country: AUSTRALIA

Reporting Year: 2013

**Site Name:** Honeymoon

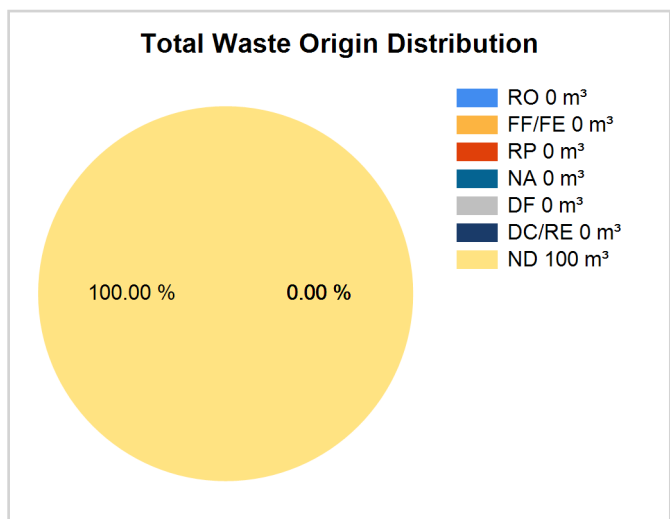
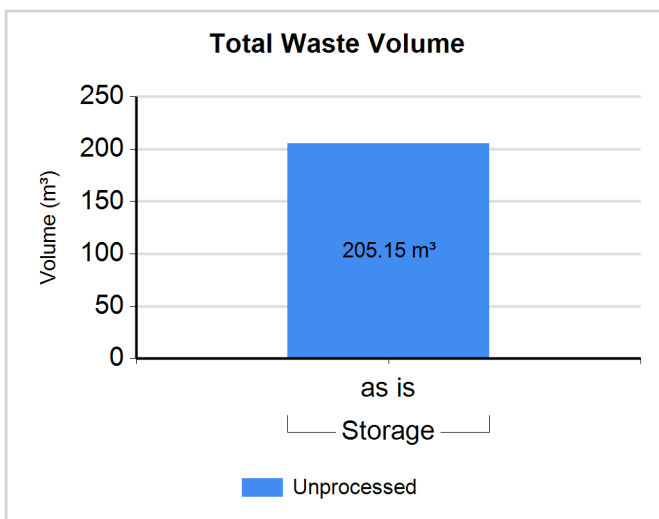
Full Name: Honeymoon Uranium Mine - Evaporation pond, a liquid waste reinjection well and a solid waste storage area.

Inventory Reporting Date: December 2013

Waste Matrix Used: IAEA Def.

**Waste Inventory**

Est=distribution is an estimate, Proc.=Is the waste processed (Yes/No)? RO=Reactor Operations, FF/FE=Fuel Fabrication/Fuel Enrichment, RP=Reprocessing, NA=Nuclear Applications,DF=Defence, DC/RE=Decommissioning/Remediation, ND=Not Determined



Note: where volume "as dispo" is provided, volume "as is" is used in the graph instead.

**Waste Class:** LLW

Waste Class Name	Location / Facility	Proc	Est.	Volume "as is" (m³)	Volume "as dispo" (m³)	RO %	FF/FE %	RP %	NA %	DF %	DC/RE %	ND %
LLW	Storage	N	N	205.150	205.150	0.00	0.00	0.00	0.00	0.00	0.00	100.00

**UMMT in Storage**

No data available.

## Site (Structure) : Maralinga

Country: AUSTRALIA

Reporting Year: 2013

Full Name:

Description:

Official Website:

License Holder(s):

Waste management facilities that are located at this site:

<b>Facility:</b>	<b>Maralinga</b>		
<b>Description:</b>	Maralinga Disposal Site		
<b>Disposal part of facility                      Maralinga</b>			
The following shows disposal status for waste classes and SRS.			
<b>Waste Class</b>	<b>Actual</b>	<b>Planned</b>	
VLLW	No	No	
LLW	Yes	No	
ILW	No	No	
HLW	No	No	
<b>List SRS?</b>	No		
<b>List UMMT?</b>	No		
<b>Type:</b>	trench(es)		
<b>Facility is modular?</b>	No		
<b>Depth (m):</b>		<b>Host medium:</b>	unknown (site not selected)
<b>Phase Name</b>	<b>Start Year</b>	<b>End Year</b>	<b>Estimate</b>
closure	2000	2000	False



Site (Data) : Maralinga

Stock of waste as at December 2013

Country: AUSTRALIA

Reporting Year: 2013

Site Name: Maralinga

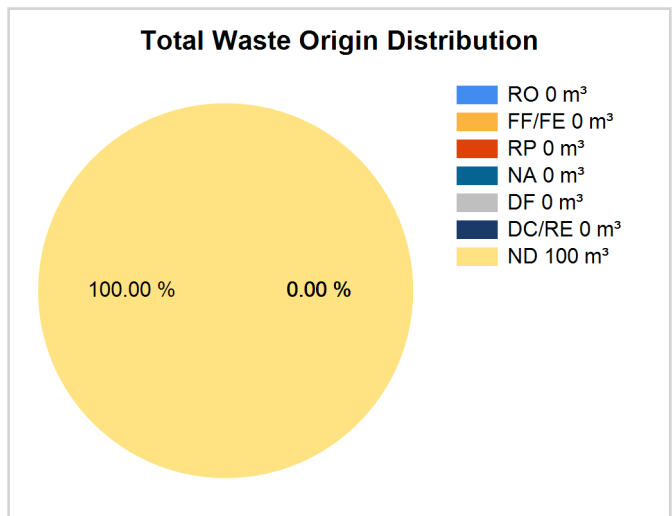
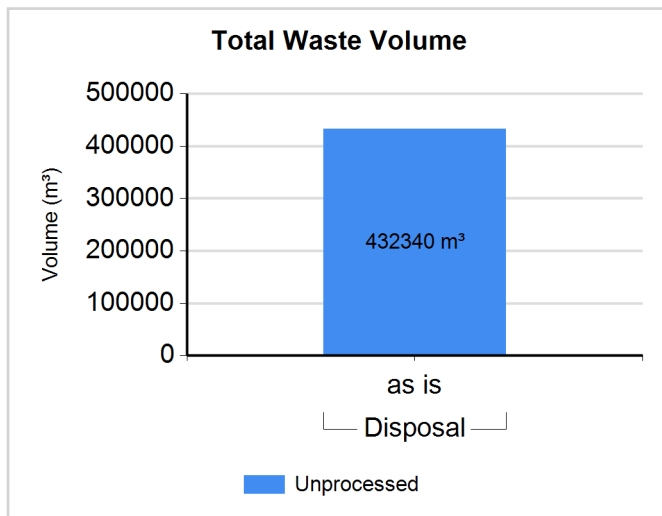
Full Name:

Inventory Reporting Date: December 2013

Waste Matrix Used: IAEA Def.

Waste Inventory

Est=distribution is an estimate, Proc.=Is the waste processed (Yes/No)? RO=Reactor Operations, FF/FE=Fuel Fabrication/Fuel Enrichment, RP=Reprocessing, NA=Nuclear Applications,DF=Defence, DC/RE=Decommissioning/Remediation, ND=Not Determined



Note: where volume "as dispo" is provided, volume "as is" is used in the graph instead.

Waste Class: LLW

Waste Class Name	Location / Facility	Proc	Est.	Volume "as is" (m³)	Volume "as dispo" (m³)	RO %	FF/FE %	RP %	NA %	DF %	DC/RE %	ND %
LLW	Disposal	N	N	432340.000	432340.000	0.00	0.00	0.00	0.00	0.00	0.00	100.00

## Site (Structure) : OlympicDam

Country: AUSTRALIA

Reporting Year: 2013

Full Name: Olympic Dam Uranium Min - Tailings dams, associated evaporation ponds and a solid waste disposal pit.

Description:

Official Website:

License Holder(s):

Waste management facilities that are located at this site:

<b>Facility:</b>	<b>Tailings</b>																
Description:	Tailings dams																
<p><b>Storage part of facility                      Tailings</b></p> <p>The following shows storage status for waste classes and SRS.</p> <table border="1"> <thead> <tr> <th>Waste Class</th> <th>Actual</th> <th>Planned</th> </tr> </thead> <tbody> <tr> <td>VLLW</td> <td>No</td> <td>No</td> </tr> <tr> <td>LLW</td> <td>No</td> <td>No</td> </tr> <tr> <td>ILW</td> <td>No</td> <td>No</td> </tr> <tr> <td>HLW</td> <td>No</td> <td>No</td> </tr> </tbody> </table>			Waste Class	Actual	Planned	VLLW	No	No	LLW	No	No	ILW	No	No	HLW	No	No
Waste Class	Actual	Planned															
VLLW	No	No															
LLW	No	No															
ILW	No	No															
HLW	No	No															
List SRS?	No																
List UMMT?	Yes																
Capacity:																	

**Site (Data) : OlympicDam**

Stock of waste as at December 2013

Country: AUSTRALIA

Reporting Year: 2013

**Site Name:** OlympicDam

Full Name: Olympic Dam Uranium Min - Tailings dams, associated evaporation ponds and a solid waste disposal pit.

Inventory Reporting Date: December 2013

Waste Matrix Used: IAEA Def.

**UMMT in Storage**

Total Mass (t):	178000000
Average Density (kg/m <sup>3</sup> ):	1600

## Site (Structure) : Port Pirie

Country: AUSTRALIA

Reporting Year: 2013

Full Name: Port Pirie Plant (Former U Treatment Plant) - Uranium and thorium tailings dams.

Description:

Official Website:

License Holder(s):

Waste management facilities that are located at this site:

<b>Facility:</b>	<b>Tailings</b>																	
Description:	Uranium and Thorium tailings dams																	
<p><b>Storage part of facility                      Tailings</b></p> <p>The following shows storage status for waste classes and SRS.</p> <table border="1"> <thead> <tr> <th>Waste Class</th> <th>Actual</th> <th>Planned</th> </tr> </thead> <tbody> <tr> <td>VLLW</td> <td>No</td> <td>No</td> </tr> <tr> <td>LLW</td> <td>No</td> <td>No</td> </tr> <tr> <td>ILW</td> <td>No</td> <td>No</td> </tr> <tr> <td>HLW</td> <td>No</td> <td>No</td> </tr> </tbody> </table>				Waste Class	Actual	Planned	VLLW	No	No	LLW	No	No	ILW	No	No	HLW	No	No
Waste Class	Actual	Planned																
VLLW	No	No																
LLW	No	No																
ILW	No	No																
HLW	No	No																
List SRS?	No																	
List UMMT?	Yes																	
Capacity:																		

**Site (Data) : Port Pirie**

Stock of waste as at December 2013

Country: AUSTRALIA

Reporting Year: 2013

**Site Name: Port Pirie**

Full Name: Port Pirie Plant (Former U Treatment Plant) - Uranium and thorium tailings dams.

Inventory Reporting Date: December 2013

Waste Matrix Used: IAEA Def.

**UMMT in Storage**

Total Mass (t):	192000
Average Density (kg/m <sup>3</sup> ):	1600

Comment # 26895:

UMMT reported as volume (120000 cubic meters).

## Site (Structure) : RadiumHill

Country: AUSTRALIA

Reporting Year: 2013

Full Name: Radium Hill Mine (former uranium mine) - Tailings dam incorporating a low-level waste repository.

Description:

Official Website:

License Holder(s): The facility is managed by the The South Australian Government Department of Primary Industries and Resources.

Comment # 26987: Institutional Framework

There is no specific radioactive waste management organization in Australia. The Commonwealth (national) Department of Primary Industries and Energy is responsible for radioactive waste policy in the country. The Australian Radiation Protection and Nuclear Safety Agency (ARPANSA) is responsible for regulating and licensing Commonwealth nuclear and radiation activities. The States have responsibility for management of radioactive waste produced within their jurisdiction.

Waste management facilities that are located at this site:

Facility:	Repository
Description:	Contaminated soil and solids from uranium processing
Detailed Facility Description:	In 1981-2, the tailings dams were rehabilitated by cover with local clay soil: the cover thickness was approximately 3 m on the sides and 1m on the top. No rock armoring to control water erosion was incorporated. At a later stage, some drummed residues from test work on uranium ores were buried in the top of the cover. The site is inspected regularly, and repairs made as required.
Waste Packages:	200L Drums, 50L drums, 20L drums and tailings.
	The wastes that remain at Radium Hill are estimated to be some 225,000 t of heavy media tailings and in addition around 75,000 t of waste rock. In contrast to the chemical extraction of uranium, the physical concentration process removed a large proportion of the elements of the uranium decay chain, and so the concentrations of radium-226, thorium-230 and other radionuclides are low. The heavy media tailings were contained in two above-ground tailings storage dams, with little containment, and were subject to both wind and water erosion.
Facility Operation:	Under closure.
	The national standard Code of Practice for the Near-Surface Disposal of Radioactive Waste in Australia (NHMRC, 1992) requires that prior to the commencement of operations, the operator must prepare draft or conceptual plans for decommissioning the facility and rehabilitating the site, and submit the plans to the regulator for approval. The plans must be reviewed and resubmitted every five years for approval.

## Site (Structure) : RadiumHill

Country: AUSTRALIA

Reporting Year: 2013

**Disposal part of facility****Repository**

The following shows disposal status for waste classes and SRS.

Waste Class	Actual	Planned
VLLW	No	No
LLW	Yes	No
ILW	No	No
HLW	No	No

List SRS?	No
List UMMT?	Yes

Type:	engineered near surface
Facility is modular?	No

Depth (m):		Host medium:	crystalline rock (basalt)
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Phase Name	Start Year	End Year	Estimate
operation	1981	1998	False

## Site (Structure) : RadiumHill

Country: AUSTRALIA

Reporting Year: 2013

<b>Facility:</b>	<b>Tailings</b>															
Description:	Uranium tailings and waste rock															
<b>Storage part of facility</b> <b>Tailings</b>																
The following shows storage status for waste classes and SRS.																
<table border="1"><thead><tr><th>Waste Class</th><th>Actual</th><th>Planned</th></tr></thead><tbody><tr><td>VLLW</td><td>No</td><td>No</td></tr><tr><td>LLW</td><td>No</td><td>No</td></tr><tr><td>ILW</td><td>No</td><td>No</td></tr><tr><td>HLW</td><td>No</td><td>No</td></tr></tbody></table>	Waste Class	Actual	Planned	VLLW	No	No	LLW	No	No	ILW	No	No	HLW	No	No	
Waste Class	Actual	Planned														
VLLW	No	No														
LLW	No	No														
ILW	No	No														
HLW	No	No														
List SRS?	No															
List UMMT?	Yes															
Capacity:																



Site (Data) : RadiumHill

Stock of waste as at December 2013

Country: AUSTRALIA

Reporting Year: 2013

Site Name: RadiumHill

Full Name: Radium Hill Mine (former uranium mine) - Tailings dam incorporating a low-level waste repository.

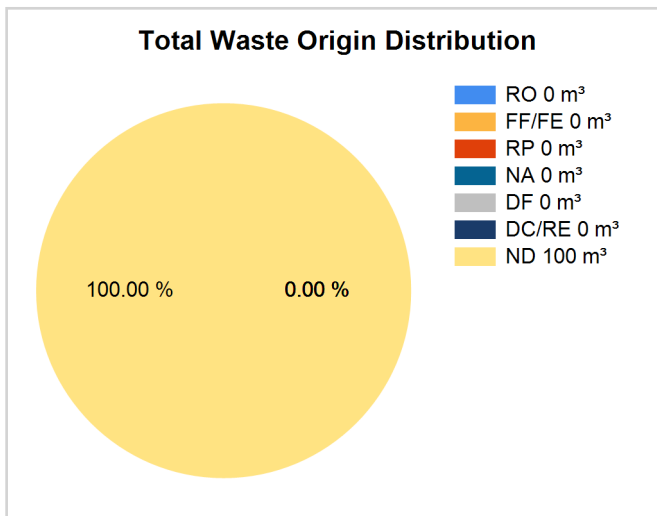
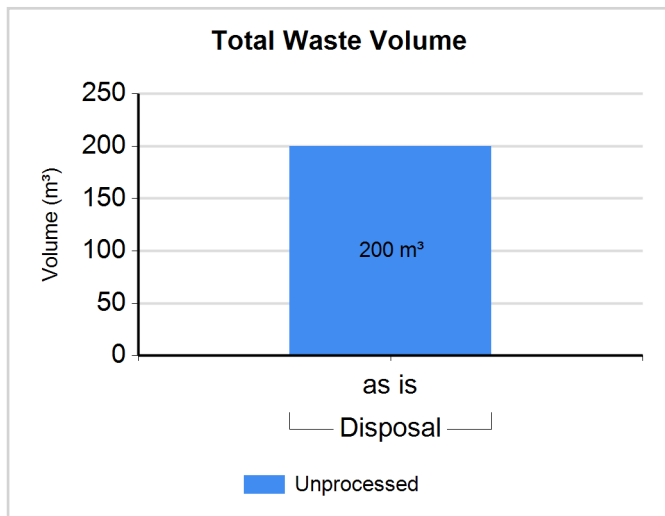
Inventory Reporting Date: December 2013 Waste Matrix Used: IAEA Def.

Comment # 26987: Institutional Framework

There is no specific radioactive waste management organization in Australia. The Commonwealth (national) Department of Primary Industries and Energy is responsible for radioactive waste policy in the country. The Australian Radiation Protection and Nuclear Safety Agency (ARPANSA) is responsible for regulating and licensing Commonwealth nuclear and radiation activities. The States have responsibility for management of radioactive waste produced within their jurisdiction.

Waste Inventory

Est=distribution is an estimate, Proc.=Is the waste processed (Yes/No)? RO=Reactor Operations, FF/FE=Fuel Fabrication/Fuel Enrichment, RP=Reprocessing, NA=Nuclear Applications,DF=Defence, DC/RE=Decommissioning/Remediation, ND=Not Determined



Note: where volume "as dispo" is provided, volume "as is" is used in the graph instead.

Waste Class: LLW

Waste Class Name	Location / Facility	Proc	Est.	Volume "as is" (m³)	Volume "as dispo" (m³)	RO %	FF/FE %	RP %	NA %	DF %	DC/RE %	ND %
LLW	Disposal	N	Y	200.000	200.000	0.00	0.00	0.00	0.00	0.00	0.00	100.00

UMMT in Storage

No data available.

## Site (Structure) : SA EPA

Country: AUSTRALIA

Reporting Year: 2013

Full Name: South Australian Government - Environmental Protection Agency

Description:

Official Website:

License Holder(s): Minister for the Environment, Environment Protection  
Authority, Radiation Protection Division

Waste management facilities that are located at this site:

<b>Facility:</b>	<b>SA Store</b>					
<b>Description:</b>	South Australian Government - Environmental Protection Agency, Radioactive Waste Storage Facility					
<b>Storage part of facility</b>		<b>SA Store</b>				
The following shows storage status for waste classes and SRS.						
<b>Waste Class</b>	<b>Actual</b>	<b>Planned</b>				
VLLW	No	No				
LLW	Yes	No				
ILW	No	No				
HLW	No	No				
<b>List SRS?</b>	Yes					
<b>List UMMT?</b>	Yes					
<b>Capacity:</b>						
<b>Types of Storage Units</b>						
<b>Storage Unit Name</b>	<b>Type Name</b>	<b>Year Opened</b>	<b>Closed?</b>	<b>Full?</b>	<b>Modular?</b>	<b>Contains SRS?</b>
Store	not in list	0	No	No	No	Yes

## Site (Data) : SA EPA

Stock of waste as at December 2013

Country: AUSTRALIA

Reporting Year: 2013

Site Name: SA EPA

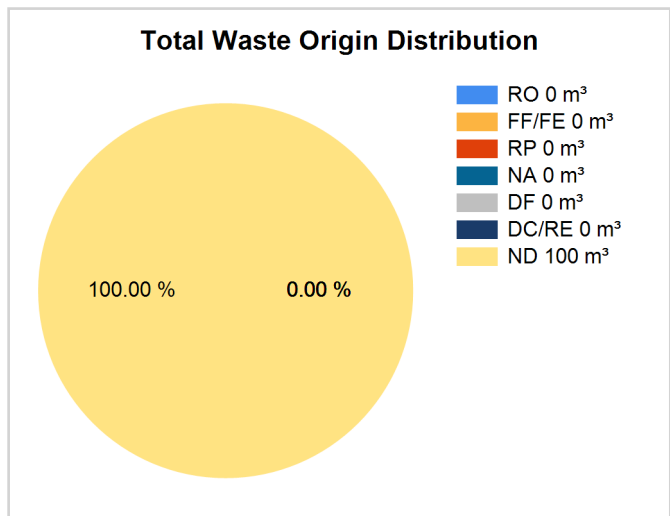
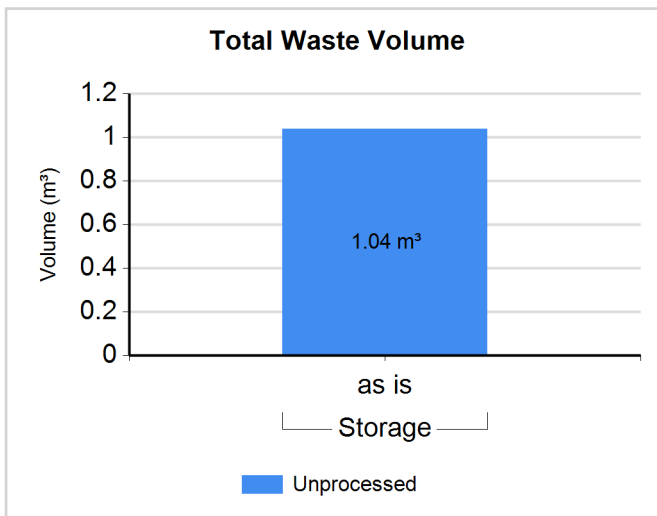
Full Name: South Australian Government - Environmental Protection Agency

Inventory Reporting Date: December 2013

Waste Matrix Used: IAEA Def.

## Waste Inventory

Est=distribution is an estimate, Proc.=Is the waste processed (Yes/No)? RO=Reactor Operations, FF/FE=Fuel Fabrication/Fuel Enrichment, RP=Reprocessing, NA=Nuclear Applications,DF=Defence, DC/RE=Decommissioning/Remediation, ND=Not Determined



Note: where volume "as dispo" is provided, volume "as is" is used in the graph instead.

Waste Class: LLW

Waste Class Name	Location / Facility	Proc	Est.	Volume "as is" (m³)	Volume "as dispo" (m³)	RO %	FF/FE %	RP %	NA %	DF %	DC/RE %	ND %
LLW	Storage	N	N	1.040	1.040	0.00	0.00	0.00	0.00	0.00	0.00	100.00

## Spent Sources &lt;=30 years in Storage

No data available.

## Spent Sources &gt; 30 years in Storage

No data available.

## UMMT in Storage

Total Mass (t):	0.021
Average Density (kg/m³):	1600

## Site (Structure) : Tas DHHS

Country: AUSTRALIA

Reporting Year: 2013

Full Name: Tasmanian Government - Department of Health and Human Services

Description:

Official Website:

License Holder(s): Director of Public Health, Department of Health and Human Services, Health Physics Unit

Waste management facilities that are located at this site:

<b>Facility:</b>	<b>Tas Store</b>					
<b>Description:</b>	Tasmanian Government - Department of Health and Human Services, Radioactive Waste Storage Site					
<b>Storage part of facility</b>		<b>Tas Store</b>				
The following shows storage status for waste classes and SRS.						
<b>Waste Class</b>	<b>Actual</b>	<b>Planned</b>				
VLLW	No	No				
LLW	No	No				
ILW	No	No				
HLW	No	No				
<b>List SRS?</b>	Yes					
<b>List UMMT?</b>	No					
<b>Capacity:</b>						
<b>Types of Storage Units</b>						
<b>Storage Unit Name</b>	<b>Type Name</b>	<b>Year Opened</b>	<b>Closed?</b>	<b>Full?</b>	<b>Modular?</b>	<b>Contains SRS?</b>
Store	not in list	0	No	No	No	Yes

## Site (Structure) : Tas DHHS

Country: AUSTRALIA

Reporting Year: 2013

<b>Facility:</b>	<b>Various</b>					
<b>Description:</b>	Includes a number of facilities within Tasmania					
<b>Storage part of facility</b>		<b>Various</b>				
The following shows storage status for waste classes and SRS.						
<b>Waste Class</b>	<b>Actual</b>	<b>Planned</b>				
VLLW	No	No				
LLW	No	No				
ILW	No	No				
HLW	No	No				
<b>List SRS?</b>	Yes					
<b>List UMMT?</b>	No					
<b>Capacity:</b>						
<b>Types of Storage Units</b>						
<b>Storage Unit Name</b>	<b>Type Name</b>	<b>Year Opened</b>	<b>Closed?</b>	<b>Full?</b>	<b>Modular?</b>	<b>Contains SRS?</b>
waste	various	0	No	No	No	Yes

## Site (Data) : Tas DHHS

Stock of waste as at December 2013

Country: AUSTRALIA

Reporting Year: 2013

**Site Name:** Tas DHHS

Full Name: Tasmanian Government - Department of Health and Human Services

Inventory Reporting Date: December 2013 Waste Matrix Used: IAEA Def.

### Spent Sources $\leq$ 30 years in Storage

No data available.

### Spent Sources $>$ 30 years in Storage

No data available.

## Site (Structure) : Vic DHS

Country: AUSTRALIA

Reporting Year: 2013

Full Name: Victorian Government - Department of Human Services

Description:

Official Website:

License Holder(s): Minister for Health, Department of Human Services, Radiation Safety section

Waste management facilities that are located at this site:

<b>Facility:</b>	<b>Vic Store</b>					
<b>Description:</b>	Victorian Government - Department of Human Services, Radioactive Waste Storage Facility					
<b>Storage part of facility</b>						
<b>Vic Store</b>						
The following shows storage status for waste classes and SRS.						
<b>Waste Class</b>	<b>Actual</b>	<b>Planned</b>				
VLLW	Yes	No				
LLW	Yes	No				
ILW	No	No				
HLW	No	No				
<b>List SRS?</b>	Yes					
<b>List UMMT?</b>	No					
<b>Capacity:</b>						
<b>Types of Storage Units</b>						
<b>Storage Unit Name</b>	<b>Type Name</b>	<b>Year Opened</b>	<b>Closed?</b>	<b>Full?</b>	<b>Modular?</b>	<b>Contains SRS?</b>
Store	not in list	0	No	No	No	Yes

## Site (Data) : Vic DHS

Stock of waste as at December 2013

Country: AUSTRALIA

Reporting Year: 2013

**Site Name:** Vic DHS

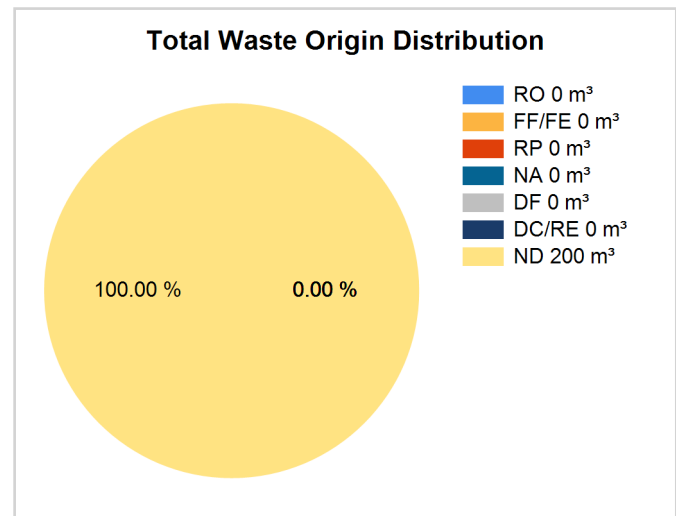
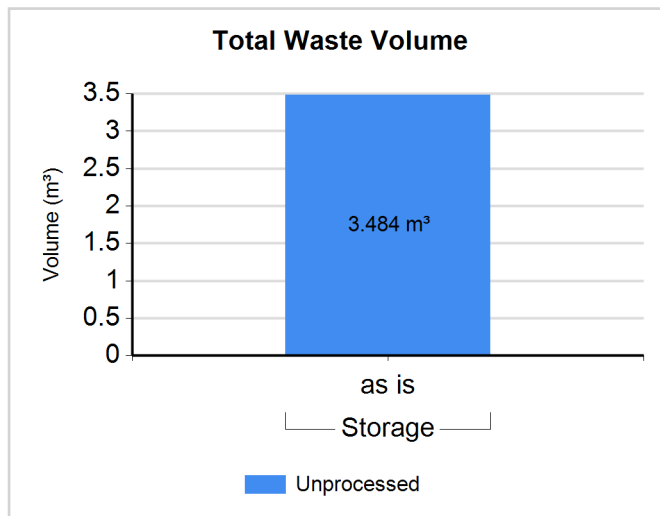
Full Name: Victorian Government - Department of Human Services

Inventory Reporting Date: December 2013

Waste Matrix Used: IAEA Def.

**Waste Inventory**

Est=distribution is an estimate, Proc.=Is the waste processed (Yes/No)? RO=Reactor Operations, FF/FE=Fuel Fabrication/Fuel Enrichment, RP=Reprocessing, NA=Nuclear Applications,DF=Defence, DC/RE=Decommissioning/Remediation, ND=Not Determined



Note: where volume "as dispo" is provided, volume "as is" is used in the graph instead.

**Waste Class: VLLW**

Waste Class Name	Location / Facility	Proc	Est.	Volume "as is" (m³)	Volume "as dispo" (m³)	RO %	FF/FE %	RP %	NA %	DF %	DC/RE %	ND %
VLLW	Storage	N	Y	1.085	1.085	0.00	0.00	0.00	0.00	0.00	0.00	100.00

**Waste Class: LLW**

Waste Class Name	Location / Facility	Proc	Est.	Volume "as is" (m³)	Volume "as dispo" (m³)	RO %	FF/FE %	RP %	NA %	DF %	DC/RE %	ND %
LLW	Storage	N	Y	2.399	2.399	0.00	0.00	0.00	0.00	0.00	0.00	100.00

**Spent Sources <=30 years in Storage**

No data available.

**Spent Sources > 30 years in Storage**

No data available.



## Site (Structure) : Mt Walton

Country: AUSTRALIA

Reporting Year: 2013

Full Name: Mt Walton East Intractable Waste Management Facility

Description:

Official Website:

License Holder(s): Western Australian Government - Department of Housing and Works

Comment # 26985: Institutional Framework

There is no specific radioactive waste management organization in Australia. The Commonwealth (national) Department of Primary Industries and Energy is responsible for radioactive waste policy in the country. The Australian Radiation Protection and Nuclear Safety Agency (ARPANSA) are responsible for regulating and licensing Commonwealth nuclear and radiation activities. The States have responsibility for management of radioactive waste produced within their jurisdiction.

Waste management facilities that are located at this site:

<b>Facility:</b>	<b>2000RT01</b>
<b>Description:</b>	2000 radioactive waste disposal campaign into trench designated 2000RT01
<b>Detailed Facility Description:</b>	Barriers: after filling the disposal unit, waste packages are covered by a 5 m thick layer of clay.  The site uses near surface disposal in within the natural kaolinitic clay profile at the site, which has a very low hydraulic conductivity.
<b>Waste Packages:</b>	Bags and Steel Drums.
<b>Facility Operation:</b>	The facility is operated on a campaign basis, depending on need. Natural clay forms the main barrier between waste and the environment. Capping of the cells (compacted clay layers and dome) minimizes ingress of water to reduce leachate within cells. Groundwater monitoring triggers a response in the event that contamination occurs.
<b>Financing:</b>	Operation is funded by the West Australian Department of Environment.

## Site (Structure) : Mt Walton

Country: AUSTRALIA

Reporting Year: 2013

**Disposal part of facility**                      **2000RT01**

The following shows disposal status for waste classes and SRS.

Waste Class	Actual	Planned
VLLW	Yes	No
LLW	Yes	No
ILW	No	No
HLW	No	No

List SRS?	Yes
List UMMT?	No

Type:	trench(es)
Facility is modular?	No

Depth (m):		Host medium:	sedimentary (other)
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Phase Name	Start Year	End Year	Estimate
operation	2000	2000	False

## Site (Structure) : Mt Walton

Country: AUSTRALIA

Reporting Year: 2013

<b>Facility:</b>	<b>2002RT01</b>
Description:	2002 radioactive waste disposal campaign into trench designated 2002RT01
Detailed Facility Description:	Barriers: after filling the disposal unit, waste packages are covered by a 5 m thick layer of clay.  The site uses near surface disposal in within the natural kaolinitic clay profile at the site, which has a very low hydraulic conductivity.
Waste Packages:	Bags and steel drums.
Facility Operation:	The facility is operated on a campaign basis, depending on need. Natural clay forms the main barrier between waste and the environment. Capping of the cells (compacted clay layers and dome) minimizes ingress of water to reduce leachate within cells. Groundwater monitoring triggers a response in the event that contamination occurs.
Financing:	Operation is funded by the West Australian Department of Environment.

**Disposal part of facility                      2002RT01**

The following shows disposal status for waste classes and SRS.

Waste Class	Actual	Planned
VLLW	Yes	No
LLW	Yes	No
ILW	No	No
HLW	No	No

List SRS?	Yes
List UMMT?	No
Type:	trench(es)
Facility is modular?	No

Depth (m):		Host medium:	sedimentary (other)
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Phase Name	Start Year	End Year	Estimate
operation	2002	2002	False

## Site (Structure) : Mt Walton

Country: AUSTRALIA

Reporting Year: 2013

<b>Facility:</b>	<b>2008RT01</b>
Description:	2008 radioactive waste disposal campaign into trench designated 2008RT01
Detailed Facility Description:	Barriers: after filling the disposal unit, waste packages are covered by a 5 m thick layer of clay.
Waste Packages:	Bags and steel drums.
Facility Operation:	The facility is operated on a campaign basis, depending on need. Natural clay forms the main barrier between waste and the environment. Capping of the cells (compacted clay layers and dome) minimizes ingress of water to reduce leachate within cells. Groundwater monitoring triggers a response in the event that contamination occurs.
Financing:	Operation is funded by the West Australian Department of Environment.

**Disposal part of facility 2008RT01**

The following shows disposal status for waste classes and SRS.

Waste Class	Actual	Planned
VLLW	Yes	No
LLW	Yes	No
ILW	No	No
HLW	No	No

List SRS?	Yes
List UMMT?	No

Type:	trench(es)
Facility is modular?	No

Depth (m):		Host medium:	sedimentary (other)
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Phase Name	Start Year	End Year	Estimate
operation	2008	2008	False

## Site (Structure) : Mt Walton

Country: AUSTRALIA

Reporting Year: 2013

<b>Facility:</b>	<b>92RS01</b>
Description:	1992 radioactive waste disposal campaign into shaft designated 92RS01
Facility Operation:	The facility is operated on a campaign basis, depending on need. Natural clay forms the main barrier between waste and the environment. Capping of the cells (compacted clay layers and dome) minimizes ingress of water to reduce leachate within cells. Groundwater monitoring triggers a response in the event that contamination occurs.
Financing:	Operation is funded by the West Australian Department of Environment.

**Disposal part of facility 92RS01**

The following shows disposal status for waste classes and SRS.

Waste Class	Actual	Planned
VLLW	Yes	No
LLW	Yes	No
ILW	No	No
HLW	No	No

List SRS?	Yes
List UMMT?	No
Type:	borehole
Facility is modular?	No

Depth (m):		Host medium:	sedimentary (other)
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Phase Name	Start Year	End Year	Estimate
operation	1992	1992	False

## Site (Structure) : Mt Walton

Country: AUSTRALIA

Reporting Year: 2013

<b>Facility:</b>	<b>92RS02</b>
<b>Description:</b>	1992 radioactive waste disposal campaign into shaft designated 92RS02
<b>Facility Operation:</b>	The facility is operated on a campaign basis, depending on need. Natural clay forms the main barrier between waste and the environment. Capping of the cells (compacted clay layers and dome) minimizes ingress of water to reduce leachate within cells. Groundwater monitoring triggers a response in the event that contamination occurs.
<b>Financing:</b>	Operation is funded by the West Australian Department of Environment.

**Disposal part of facility 92RS02**

The following shows disposal status for waste classes and SRS.

Waste Class	Actual	Planned
VLLW	Yes	No
LLW	Yes	No
ILW	No	No
HLW	No	No

<b>List SRS?</b>	Yes
<b>List UMMT?</b>	No
<b>Type:</b>	borehole
<b>Facility is modular?</b>	No

<b>Depth (m):</b>		<b>Host medium:</b>	sedimentary (other)
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Phase Name	Start Year	End Year	Estimate
operation	1992	1992	False

## Site (Structure) : Mt Walton

Country: AUSTRALIA

Reporting Year: 2013

<b>Facility:</b>	<b>94RT01</b>
Description:	1994 radioactive waste disposal campaign into trench designated 94RT01
Facility Operation:	The facility is operated on a campaign basis, depending on need. Natural clay forms the main barrier between waste and the environment. Capping of the cells (compacted clay layers and dome) minimizes ingress of water to reduce leachate within cells. Groundwater monitoring triggers a response in the event that contamination occurs.
Financing:	Operation is funded by the West Australian Department of Environment.

**Disposal part of facility 94RT01**

The following shows disposal status for waste classes and SRS.

Waste Class	Actual	Planned
VLLW	Yes	No
LLW	Yes	No
ILW	No	No
HLW	No	No

List SRS?	Yes
List UMMT?	No
Type:	borehole
Facility is modular?	No

Depth (m):		Host medium:	sedimentary (other)
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Phase Name	Start Year	End Year	Estimate
operation	1994	1994	False

## Site (Data) : Mt Walton

Stock of waste as at December 2013

Country: AUSTRALIA

Reporting Year: 2013

**Site Name:** Mt Walton

Full Name: Mt Walton East Intractable Waste Management Facility

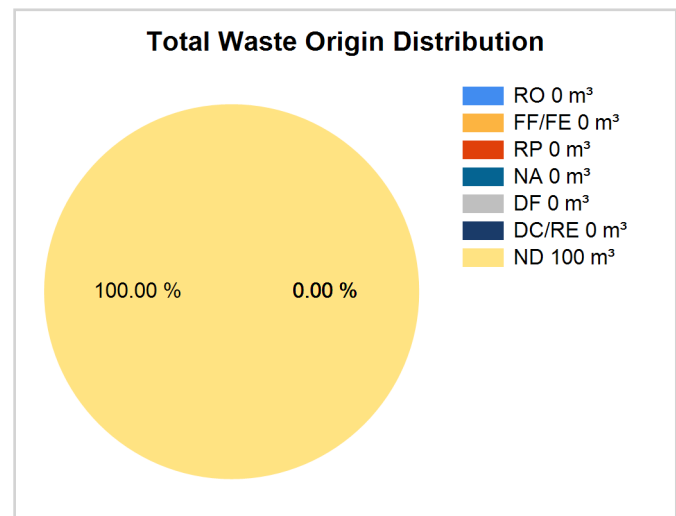
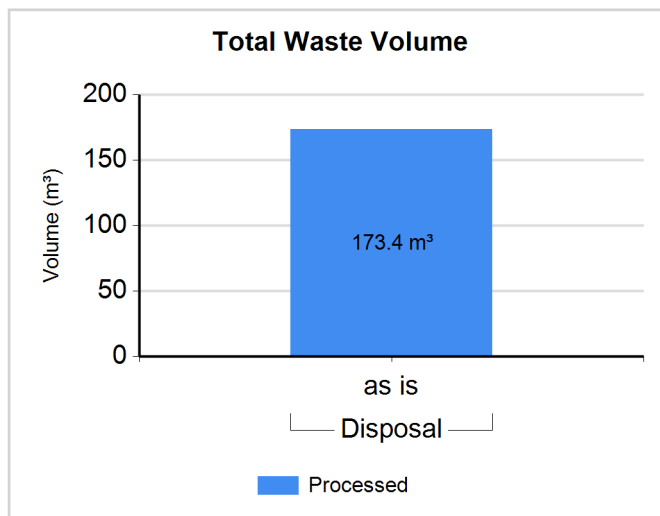
Inventory Reporting Date: December 2013 Waste Matrix Used: IAEA Def.

Comment # 26985: Institutional Framework

There is no specific radioactive waste management organization in Australia. The Commonwealth (national) Department of Primary Industries and Energy is responsible for radioactive waste policy in the country. The Australian Radiation Protection and Nuclear Safety Agency (ARPANSA) are responsible for regulating and licensing Commonwealth nuclear and radiation activities. The States have responsibility for management of radioactive waste produced within their jurisdiction.

**Waste Inventory**

Est=distribution is an estimate, Proc.=Is the waste processed (Yes/No)? RO=Reactor Operations, FF/FE=Fuel Fabrication/Fuel Enrichment, RP=Reprocessing, NA=Nuclear Applications,DF=Defence, DC/RE=Decommissioning/Remediation, ND=Not Determined



Note: where volume "as dispo" is provided, volume "as is" is used in the graph instead.

**Waste Class:** LLW

Waste Class Name	Location / Facility	Proc	Est.	Volume "as is" (m³)	Volume "as dispo" (m³)	RO %	FF/FE %	RP %	NA %	DF %	DC/RE %	ND %
LLW	Disposal	Y	Y	173.400	173.400	0.00	0.00	0.00	0.00	0.00	0.00	100.00



## Site (Structure) : WA RC

Country: AUSTRALIA

Reporting Year: 2013

Full Name: Western Australian Government - Radiological Council

Description:

Official Website:

License Holder(s): Western Australian Radiological Council, Radiation Health Branch

Waste management facilities that are located at this site:

## Site (Structure) : WA RC

Country: AUSTRALIA

Reporting Year: 2013

<b>Facility:</b>	<b>QEII store</b>
<b>Description:</b>	Western Australian Government - Radiological Council, Radioactive Waste Storage and Processing Facility - Radioactive waste storage at the Queen Elizabeth II (QEII) Medical Centre

**Storage part of facility****QEII store**

The following shows storage status for waste classes and SRS.

Waste Class	Actual	Planned
VLLW	No	No
LLW	No	No
ILW	No	No
HLW	No	No

List SRS?	Yes
List UMMT?	No

Capacity:	
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## Types of Storage Units

Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
Store	building	0	No	No	No	Yes

**Processing part of facility****QEII store**

The following shows processing status for waste classes and SRS.

Waste Class	Actual	Planned
VLLW	Yes	No
LLW	Yes	No
ILW	Yes	No
HLW	No	No

Type:	Conditioning
Year opened:	1940

## Site (Data) : WA RC

Stock of waste as at December 2013

Country: AUSTRALIA

Reporting Year: 2013

**Site Name:** WA RC

Full Name: Western Australian Government - Radiological Council

Inventory Reporting Date: December 2013 Waste Matrix Used: IAEA Def.

### Processing - Conditioning method(s)

**No data available.**

## Regulators

Country: AUSTRALIA

Reporting Year: 2013

<b>Name:</b>	<b>NSW EPA</b>
Full Name:	New South Wales - Environment Protection Authority
Divison:	Hazardous Materials, Chemicals and Radiation Section
City or Town:	New South Wales
Main Website:	

<b>Name:</b>	<b>Qld Health</b>
Full Name:	Queensland Health
Divison:	Radiation Health Unit
City or Town:	Queensland
Main Website:	

<b>Name:</b>	<b>SA EPA</b>
Full Name:	South Australia - Environment Protection Authority
Divison:	Radiation Protection Branch
City or Town:	South Australia
Main Website:	

<b>Name:</b>	<b>Tas DHHS</b>
Full Name:	Tasmanian - Department of Health and Human Services
Divison:	Radiation Protection Unit
City or Town:	Tasmania
Main Website:	

<b>Name:</b>	<b>Vic DH</b>
Full Name:	Victoria - Department of Health
Divison:	Radiation Safety
City or Town:	Victoria
Main Website:	

## Regulators

Country: AUSTRALIA

Reporting Year: 2013

<b>Name:</b>	<b>WA RC</b>
Full Name:	Western Australia - Radiological Council
Divison:	Radiation Health Branch
City or Town:	Western Australia
Main Website:	

<b>Name:</b>	<b>ACT HPS</b>
Full Name:	Australian Capital Territory - Health Protection Service
Divison:	Radiation Safety Section
City or Town:	Australian Capital Territory
Main Website:	

<b>Name:</b>	<b>NT - DoHF</b>
Full Name:	Department of Health
Divison:	Radiation Protection Section
City or Town:	Northern Territory
Main Website:	

<b>Name:</b>	<b>ARPANSA</b>
Full Name:	Australian Radiation Protection and Nuclear Safety Agency
Divison:	
City or Town:	Commonwealth of Australia (Australian Government)
Main Website:	

Comment

**# 26982: Regulators**

Australia is a federation of nine jurisdictions - the Commonwealth of Australia, six states and two self-governing territories. Each of Australia's jurisdictions has in force an Act of Parliament establishing a framework that includes regulation of the safety of radioactive waste management and, in the case of the Commonwealth Government, the safety of spent fuel management. Each Act establishes an authorisation system for the management of radioactive material, a regulatory authority, inspection and enforcement provisions, and authorises the making of safety standards in the jurisdiction that enacted the legislation. In the case of the Commonwealth Government, the licensing system includes management of spent fuel. Each jurisdiction has taken the necessary administrative steps to enable the regulatory body to undertake functions allocated to it under the enabling legislation. In terms of factual compliance, Australian jurisdictions are continuing to work together to further develop and implement a uniform national set of policies and practices for the safety of radioactive waste management.

## Regulations / Laws

Country: AUSTRALIA

Reporting Year: 2013

<b>Name:</b>	<b>ARPANS Act</b>	
Title or Name:	Australian Radiation Protection and Nuclear Safety Act	
Reference Number:		
Date Promulgated or Proclaimed:	1/1/1998	Law

Comment # 12294: Regulations and Laws

The Annex F of the Australian National report to the Joint Convention on the Safety of Spent Fuel Management and on the Safety of Radioactive Waste Management contains a reference to national laws, regulations, requirements and guidance documents.

<b>Name:</b>	<b>ANSTO</b>	
Title or Name:	Australian Nuclear Science and Technology Organisation Act	
Reference Number:		
Date Promulgated or Proclaimed:	1/1/1987	Law

<b>Name:</b>	<b>ARPANS Reg</b>	
Title or Name:	Australian Radiation Protection and Nuclear Safety Regulations	
Reference Number:		
Date Promulgated or Proclaimed:	1/1/1999	Law

<b>Name:</b>	<b>EPBC Act</b>	
Title or Name:	Environment Protection and Biodiversity Conservation Act	
Reference Number:		
Date Promulgated or Proclaimed:	1/1/1999	Law

<b>Name:</b>	<b>EPBC Regs</b>	
Title or Name:	Environment Protection and Biodiversity Conservation Regulations	
Reference Number:		
Date Promulgated or Proclaimed:	1/1/2000	Law

<b>Name:</b>	<b>ACT Act</b>	
Title or Name:	Radiation Act	
Reference Number:		
Date Promulgated or Proclaimed:	1/1/1983	Law

## Regulations / Laws

Country: AUSTRALIA

Reporting Year: 2013

<b>Name:</b>	<b>ACT Regs</b>		
Title or Name:	Radiation Regulation		
Reference Number:			
Date Promulgated or Proclaimed:	1/1/2002	Law	

<b>Name:</b>	<b>NSW Act</b>		
Title or Name:	Radiation Control Act		
Reference Number:			
Date Promulgated or Proclaimed:	1/1/1990	Law	

<b>Name:</b>	<b>NSW Regs</b>		
Title or Name:	Radiation Control Regulation		
Reference Number:			
Date Promulgated or Proclaimed:	1/1/2003	Law	

<b>Name:</b>	<b>NT Act</b>		
Title or Name:	Radiation (Safety Control) Act		
Reference Number:			
Date Promulgated or Proclaimed:	1/1/1978	Law	

<b>Name:</b>	<b>NT Regs</b>		
Title or Name:	Radiation (Safety Control) Regulations		
Reference Number:			
Date Promulgated or Proclaimed:	1/1/1997	Law	

<b>Name:</b>	<b>Qld Act</b>		
Title or Name:	Radiation Safety Act		
Reference Number:			
Date Promulgated or Proclaimed:	1/1/1999	Law	

## Regulations / Laws

Country: AUSTRALIA

Reporting Year: 2013

<b>Name:</b>	<b>Qld Regs</b>		
Title or Name:	Radiation Safety Regulation		
Reference Number:			
Date Promulgated or Proclaimed:	1/1/1999	Law	

<b>Name:</b>	<b>SA Act</b>		
Title or Name:	Radiation Protection and Control Act		
Reference Number:			
Date Promulgated or Proclaimed:	1/1/1982	Law	

<b>Name:</b>	<b>SA Regs</b>		
Title or Name:	Radiation Protection & Control (Ionizing Radiation) Regulations		
Reference Number:			
Date Promulgated or Proclaimed:	1/1/2000	Law	

<b>Name:</b>	<b>Tas Act</b>		
Title or Name:	Radiation Protection Act		
Reference Number:			
Date Promulgated or Proclaimed:	1/1/2005	Law	

<b>Name:</b>	<b>Tas Regs</b>		
Title or Name:	Radiation Protection Regulations		
Reference Number:			
Date Promulgated or Proclaimed:	1/1/2006	Law	

<b>Name:</b>	<b>Vic Act</b>		
Title or Name:	Radiation Act		
Reference Number:			
Date Promulgated or Proclaimed:	1/1/2005	Law	



## Regulations / Laws

Country: AUSTRALIA

Reporting Year: 2013

<b>Name:</b>	<b>Vic Regs</b>		
Title or Name:	Radiation Regulations		
Reference Number:			
Date Promulgated or Proclaimed:	1/1/2007		Law

<b>Name:</b>	<b>WA Act</b>		
Title or Name:	Radiation Safety Act		
Reference Number:			
Date Promulgated or Proclaimed:	1/1/1975		Law

<b>Name:</b>	<b>WA Regs</b>		
Title or Name:	Radiation Safety (General) Regulations		
Reference Number:			
Date Promulgated or Proclaimed:	1/1/1983		Law

Country: AUSTRALIA

Reporting Year: 2013

**Policies**

Country: AUSTRALIA

Reporting Year: 2013

**National Systems****Policy****(Yes;Partially;No)**

Q14 Has your Country implemented a national policy for radioactive waste management? No

**Import-Export****Radioactive Waste****(Yes;No)**

Q104 Does your Country have laws or Regulations restricting either the import or export of radioactive waste (excluding spent fuel)? Yes

**Liquid HLW****Storage****(Yes;No)**

Q106 Does your Country have high-level liquid wastes in storage? No

## Spent Fuel Inventory

Country: AUSTRALIA

Reporting Year: 2013

**Spent Fuel**                      **in Storage**  
**No data available.**

**Spent Fuel**                      **in Disposal**  
**No data available.**

# Waste Management Infrastructure and Financing

Country: AUSTRALIA

Reporting Year: 2013

## National Infrastructure

Nuclear Energy Context:	
Research & Development:	
Policies and Programs:	
Decommissioning and Dismantling:	
Legal Framework:	
Planned Improvements:	

## National Financing

Nuclear installations:	
Legacy Wastes:	
Medical installations:	
Extractive Industries:	
Additional Comments:	

## Waste Management Organisations

Country: AUSTRALIA

Reporting Year: 2013

<b>Name:</b>	
Full Name:	
Description:	
Address:	
Main Website:	
Year Established:	1
Legal Nature:	Public

# Waste Management Strategies

Country: AUSTRALIA

Reporting Year: 2013

<b>Waste Class</b>	
Strategy	

## Waste Management Responsibility

Country: AUSTRALIA

Reporting Year: 2013

<b>Waste Class:</b>	
Regulatory Authority:	
Treatment/Conditioning of Radioactive Waste:	
Transport of Radioactive Waste:	
Development/operation of interim Storage Facilities:	
Development/operation of Disposal Facilities:	
Waste Management Organisation:	
Additional Comments:	



**Main Waste Producers**

Country: AUSTRALIA

Reporting Year: 2013

Name:	
Full Name:	
Description:	
Address:	
Main Website:	

## Future Outlook

Country: AUSTRALIA

Reporting Year: 2013

### **Outlook for the year: 2030**

**Data not available.**

### **Outlook for the year: 2050**

**Data not available.**

### **Outlook for the year: 2100**

**Data not available.**