Country Waste Profile Report for

AUSTRALIA

Reporting Year: 2010

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

Waste Classification Schemes

Country: AUSTRALIA Reporting Year: 2010

Waste Class Matrix: **IAEA Def.** This country does use the IAEA Scheme: Yes

Description: The Agency's standard matrix

	Distribution %			
Waste Class Name	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
Jnprocessed means:	x			
Processed means:		x	x	x

Groups Overview

Country: AUSTRALIA Reporting Year: 2010

Reporting Group:	**ACT**
Inventory Reporting Date:	December 2010
Waste Matrix Used:	IAEA Def.
Description:	Australian Capital Territory

Site Name	Facility Name	Facilities Defined		
ACT RC	ACT Store		storage	

Reporting Group:	**Cwealth**
Inventory Reporting Date:	December 2010
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: 2010

Reporting Group:	**NSW**
Inventory Reporting Date:	December 2010
Waste Matrix Used:	IAEA Def.
Description:	New South Wales

Site Name	Facility Name	Facilities Defined		
NSW DoEC	NSW Store		storage	

Reporting Group:	**NT**
Inventory Reporting Date:	December 2010
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	

Reporting Group:	**Qld**
Inventory Reporting Date:	December 2010
Waste Matrix Used:	IAEA Def.
Description:	Queensland

Site Name	Facility Name	Facilities Defined		
Qld DoH	Esk Store		storage	

Groups Overview

Country: AUSTRALIA Reporting Year: 2010

Reporting Group:	**SA**
Inventory Reporting Date:	December 2010
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	

Reporting Group:	**Tas**
Inventory Reporting Date:	December 2010
Waste Matrix Used:	IAEA Def.
Description:	Tasmania

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

Reporting Group:	**Victoria**
Inventory Reporting Date:	December 2010
Waste Matrix Used:	IAEA Def.
Description:	Victoria

Site Name	Facility Name	Facilities Defined		
Vic DHS	Vic Store		storage	

Groups Overview

Country: AUSTRALIA Reporting Year: 2010

Reporting Group:	**WA**
Inventory Reporting Date:	December 2010
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 (Data) : ACT RC

Stock of waste as at December 2010

Country: AUSTRALIA Reporting Year: 2010

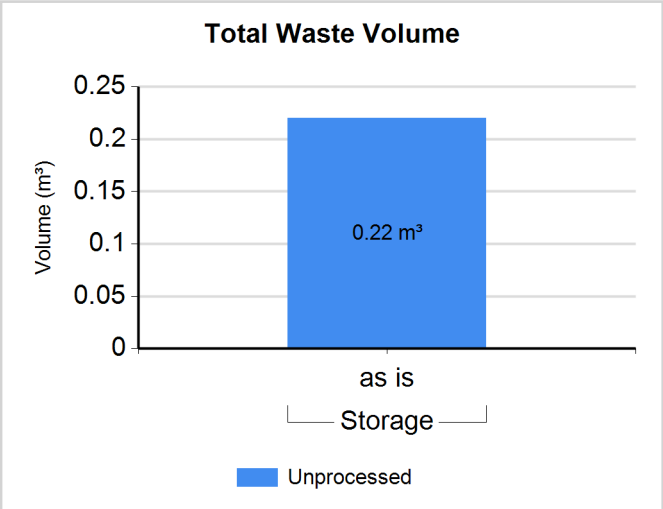
Site Name: **ACT RC**

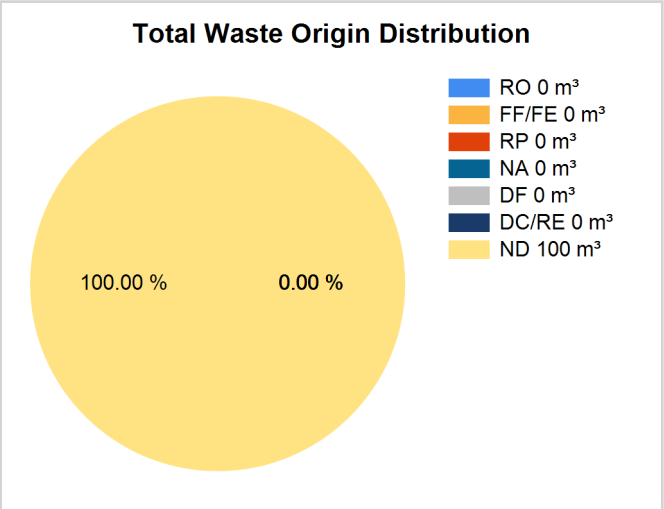
Full Name: Australian Capital Territory Government - Radiation Council

Inventory Reporting Date: December 2010 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

Data available but will not be reported.

Spent Sources > 30 years in Storage

Data available but will not be reported.

Site (Data) : AAD

Stock of waste as at December 2010

Country: AUSTRALIA Reporting Year: 2010

Site Name: **AAD**

Full Name: Australian Antarctic Division

Inventory Reporting Date: December 2010 Waste Matrix Used: IAEA Def.

Spent Sources > 30 years in Storage

Data available but will not be reported.

Site (Data) : AIMS

Stock of waste as at December 2010

Country: AUSTRALIA Reporting Year: 2010

Site Name: **AIMS**

Full Name: Australian Institute of Marine Science

Inventory Reporting Date: December 2010 Waste Matrix Used: IAEA Def.

Spent Sources <=30 years in Storage

Data available but will not be reported.

Spent Sources > 30 years in Storage

Data available but will not be reported.

Site (Data) : ANSTO RWM

Stock of waste as at December 2010

Country: AUSTRALIA Reporting Year: 2010

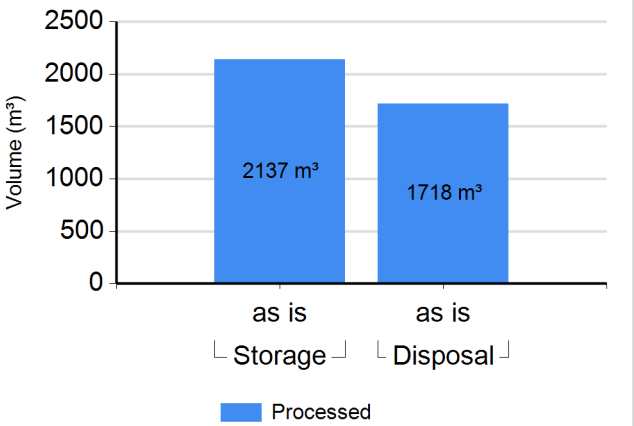
Site Name: **ANSTO RWM**

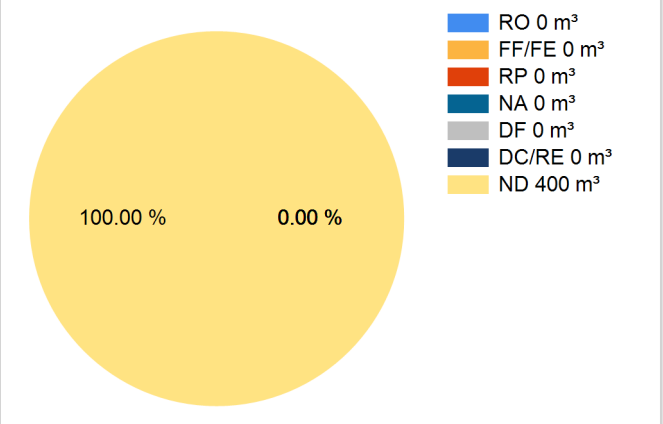
Full Name: Australian Nuclear Science and Technology Organisation (Lucas Heights) - Radioactive Waste Management Site

Inventory Reporting Date: December 2010 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)

Data available but will not be reported.

Processing - Conditioning method(s)

Data available but will not be reported.

Site (Data) : ANSTO RWM

Stock of waste as at December 2010

Country: AUSTRALIA Reporting Year: 2010

Spent Sources <=30 years in Storage

Data available but will not be reported.

Spent Sources > 30 years in Storage

Data available but will not be reported.

Site (Data) : ANU

Stock of waste as at December 2010

Country: AUSTRALIA Reporting Year: 2010

Site Name: **ANU**

Full Name: Australian National University

Inventory Reporting Date: December 2010 Waste Matrix Used: IAEA Def.

Spent Sources <=30 years in Storage

Data available but will not be reported.

Spent Sources > 30 years in Storage

Data available but will not be reported.

Site (Data) : ARPANSA

Stock of waste as at December 2010

Country: AUSTRALIA Reporting Year: 2010

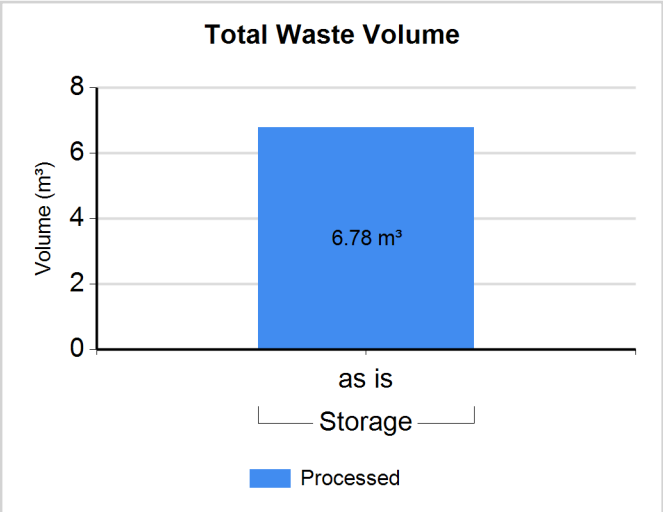
Site Name: **ARPANSA**

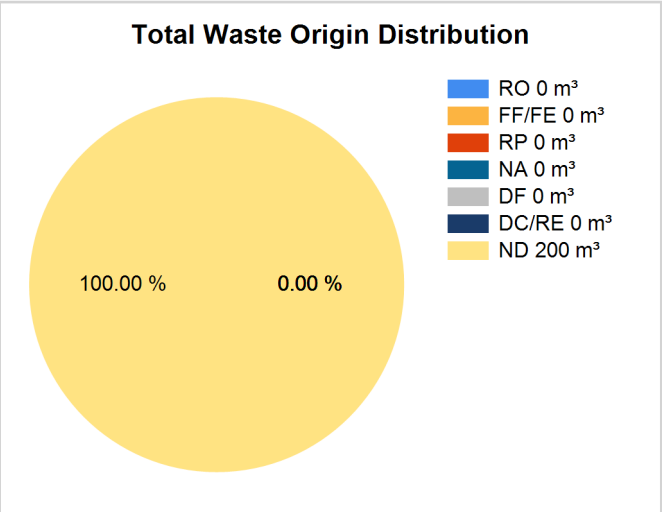
Full Name: Australian Radiation Protection and Nuclear Safety Agency - Radioactive Waste Management Site

Inventory Reporting Date: December 2010 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

Data available but will not be reported.

Spent Sources > 30 years in Storage

Data available but will not be reported.

Multiple Nuclides SRS in Storage

Data available but will not be reported.

Site (Data) : CSIRO

Stock of waste as at December 2010

Country: AUSTRALIA Reporting Year: 2010

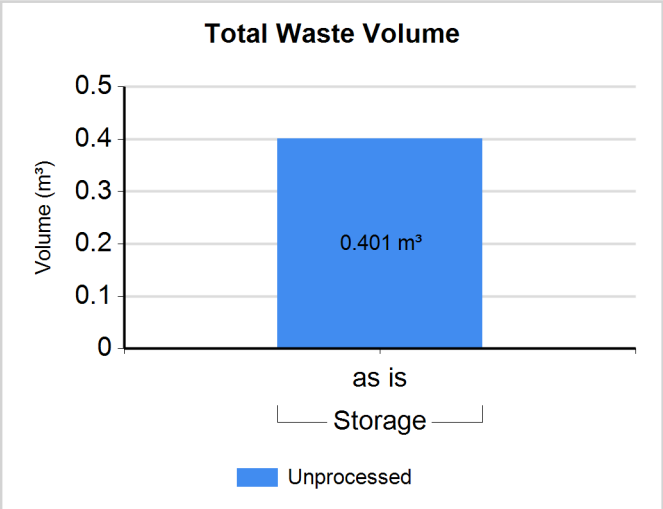
Site Name: **CSIRO**

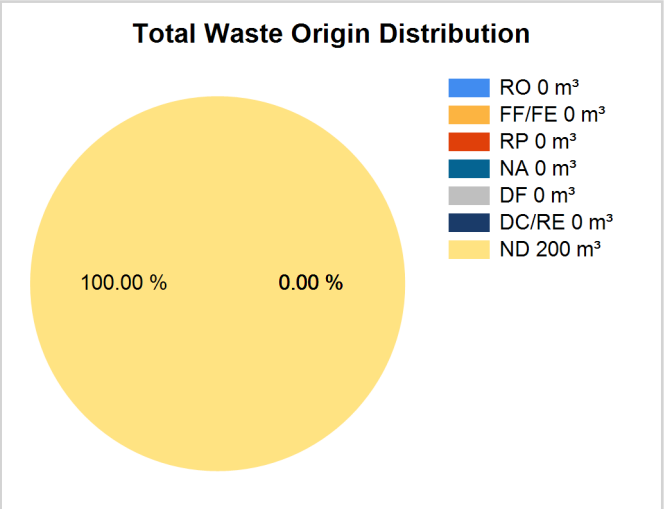
Full Name: Commonwealth Scientific and Industrial Reasearch Organisation

Inventory Reporting Date: December 2010 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

Data available but will not be reported.

Spent Sources > 30 years in Storage

Data available but will not be reported.

Site (Data) : CSIRO

Stock of waste as at December 2010

Country: AUSTRALIA Reporting Year: 2010

UMMT in Storage

Total Mass (t):	2000
Average Density (kg/m³):	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 (Data) : Defence

Stock of waste as at December 2010

Country: AUSTRALIA Reporting Year: 2010

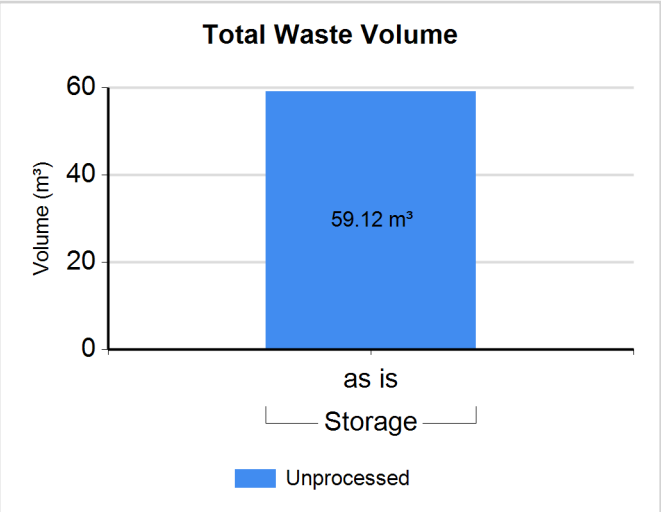
Site Name: **Defence**

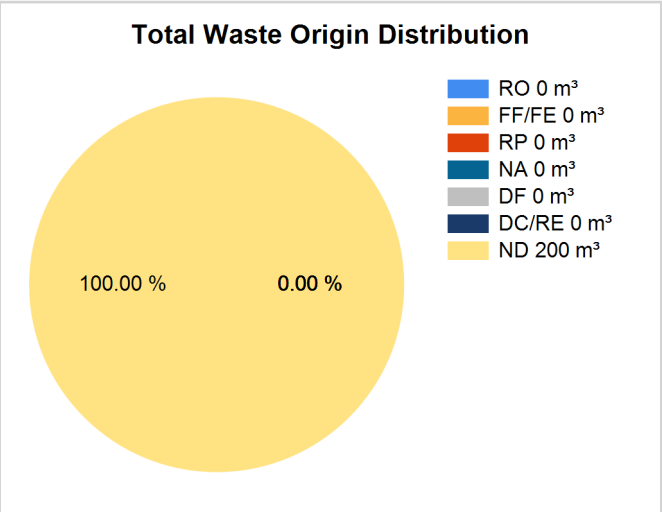
Full Name: Defence Department Radioactive Waste Management Site (incorporating facilities from different areas)

Inventory Reporting Date: December 2010 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

Data available but will not be reported.

Spent Sources > 30 years in Storage

Data available but will not be reported.

Multiple Nuclides SRS in Storage

Data available but will not be reported.

Site (Data) : NMI

Stock of waste as at December 2010

Country: AUSTRALIA Reporting Year: 2010

Site Name: **NMI**

Full Name: National Measurement Institute

Inventory Reporting Date: December 2010 Waste Matrix Used: IAEA Def.

Spent Sources <=30 years in Storage

Data available but will not be reported.

Spent Sources > 30 years in Storage

Data available but will not be reported.

Site (Data) : PAN

Stock of waste as at December 2010

Country: AUSTRALIA Reporting Year: 2010

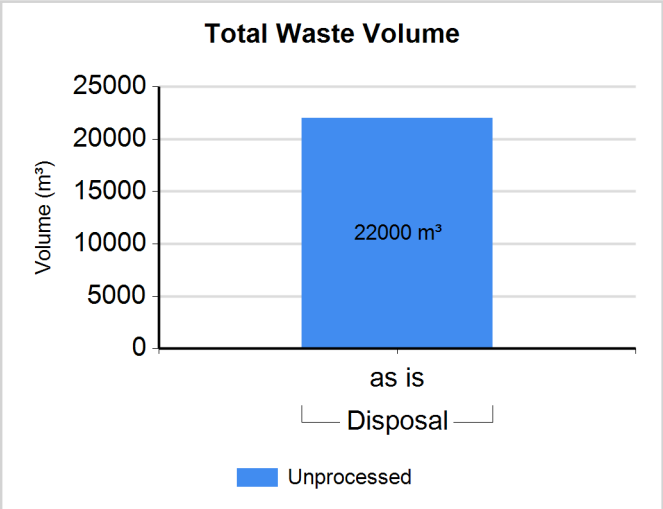
Site Name: **PAN**

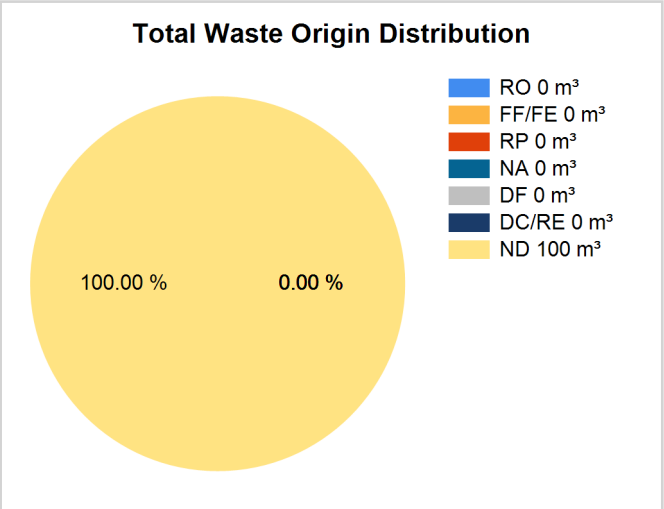
Full Name: Parks Australia North

Inventory Reporting Date: December 2010 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 (Data) : SSD

Stock of waste as at December 2010

Country: AUSTRALIA Reporting Year: 2010

Site Name: **SSD**

Full Name: Supervising Scientist Division

Inventory Reporting Date: December 2010 Waste Matrix Used: IAEA Def.

Spent Sources <=30 years in Storage

Data available but will not be reported.

Spent Sources > 30 years in Storage

Data available but will not be reported.

Site (Data) : NSW DoEC

Stock of waste as at December 2010

Country: AUSTRALIA Reporting Year: 2010

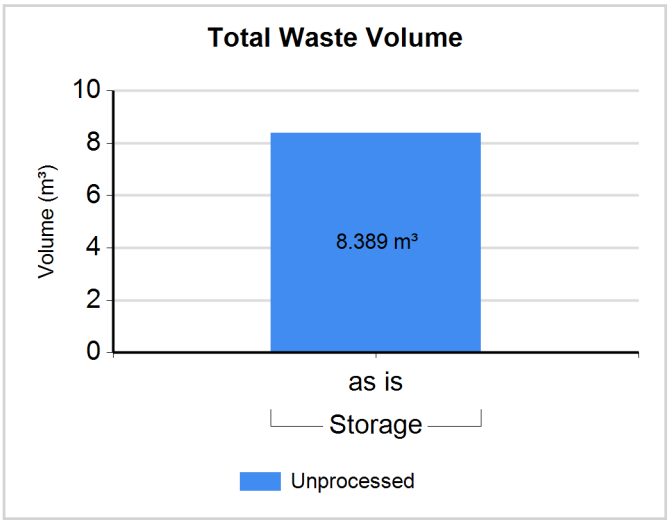
Site Name: **NSW DoEC**

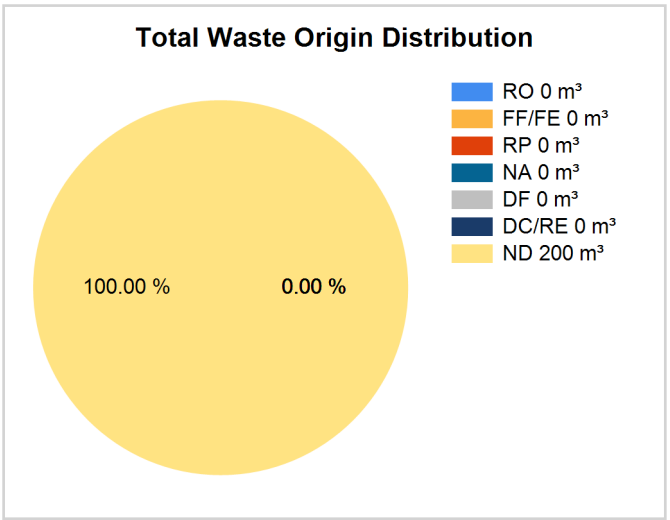
Full Name: New South Wales - Department of Environment and Conservation

Inventory Reporting Date: December 2010 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

Data available but will not be reported.

Spent Sources > 30 years in Storage

Data available but will not be reported.

Site (Data) : Mt Todd

Stock of waste as at December 2010

Country: AUSTRALIA Reporting Year: 2010

Site Name: **Mt Todd**

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

Inventory Reporting Date: December 2010 Waste Matrix Used: IAEA Def.

UMMT in Storage

No data available.

Site (Data) : NT DoHF

Stock of waste as at December 2010

Country: AUSTRALIA Reporting Year: 2010

Site Name: **NT DoHF**

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

Inventory Reporting Date: December 2010 Waste Matrix Used: IAEA Def.

Spent Sources <=30 years in Storage

Data available but will not be reported.

Spent Sources > 30 years in Storage

Data available but will not be reported.

Site (Data) : Ranger

Stock of waste as at December 2010

Country: AUSTRALIA Reporting Year: 2010

Site Name: **Ranger**

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

Inventory Reporting Date: December 2010 Waste Matrix Used: IAEA Def.

UMMT in Storage

Total Mass (t):	43100000
Average Density (kg/m³):	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 (Data) : Qld DoH

Stock of waste as at December 2010

Country: AUSTRALIA Reporting Year: 2010

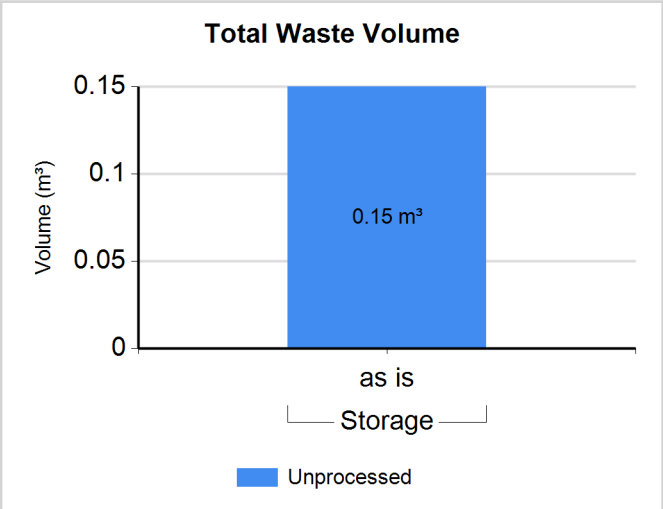
Site Name: **Qld DoH**

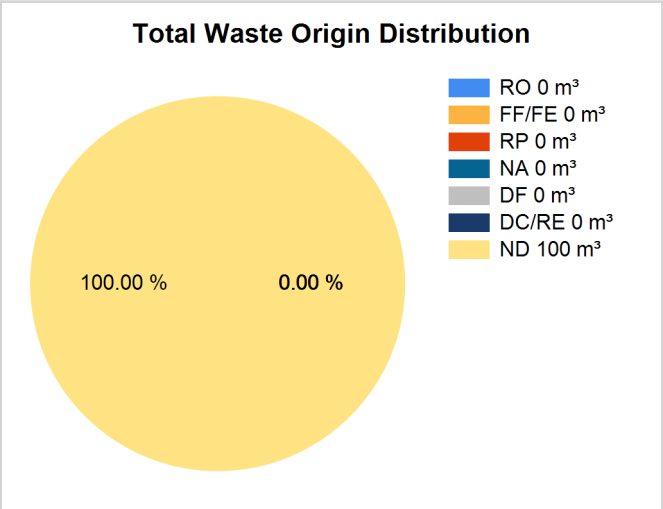
Full Name: Queensland Government - Department of Health

Inventory Reporting Date: December 2010 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

Data available but will not be reported.

Spent Sources > 30 years in Storage

Data available but will not be reported.

Site (Data) : Beverley

Stock of waste as at December 2010

Country: AUSTRALIA Reporting Year: 2010

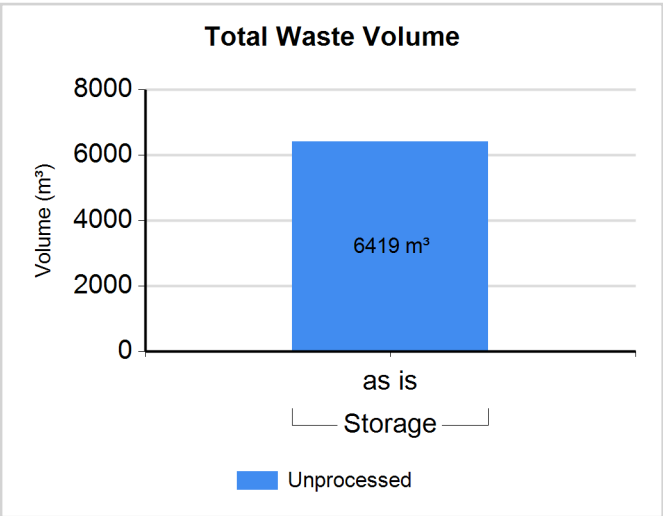
Site Name: **Beverley**

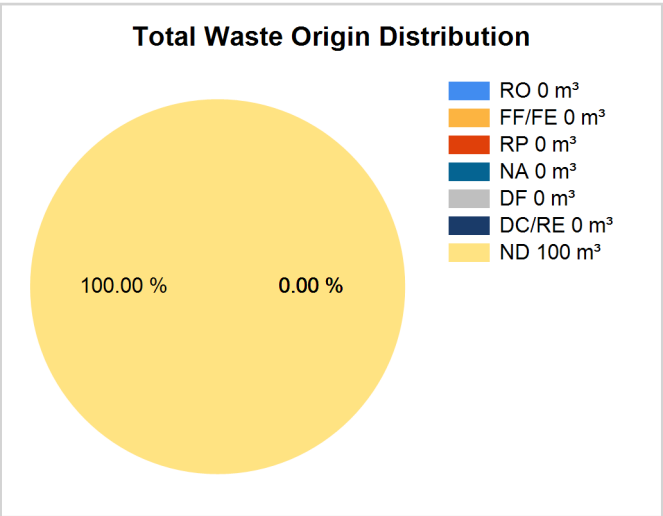
Full Name: Beverley Uranium Mine - Evaporation ponds, a liquid waste re-injection well and a solid waste disposal pit.

Inventory Reporting Date: December 2010 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 (Data) : Honeymoon

Stock of waste as at December 2010

Country: AUSTRALIA Reporting Year: 2010

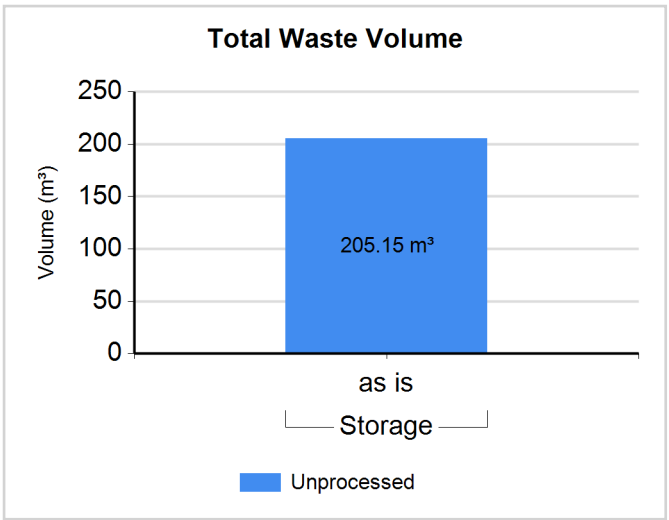
Site Name: **Honeymoon**

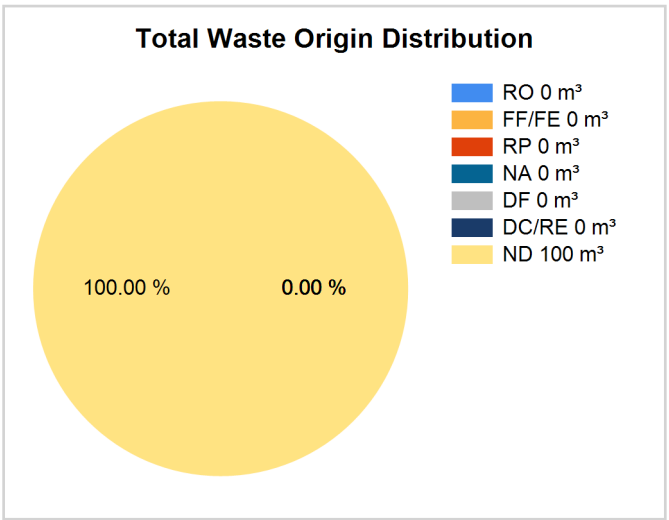
Full Name: Honeymoon Uranium Mine - Evaporation pond, a liquid waste reinjection well and a solid waste storage area.

Inventory Reporting Date: December 2010 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 (Data) : Maralinga

Stock of waste as at December 2010

Country: AUSTRALIA Reporting Year: 2010

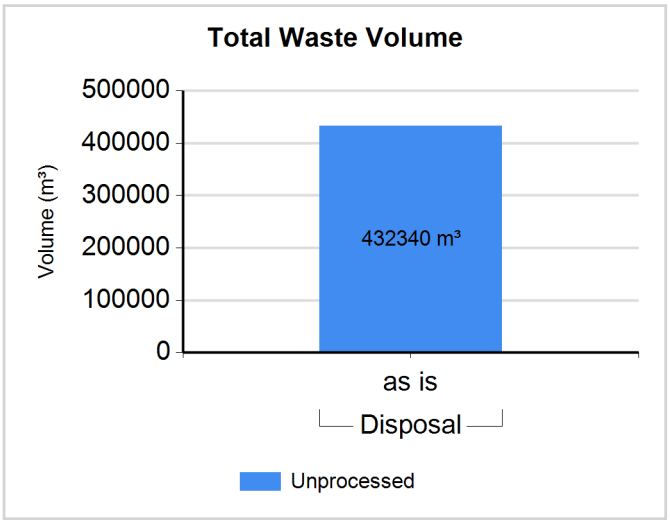
Site Name: **Maralinga**

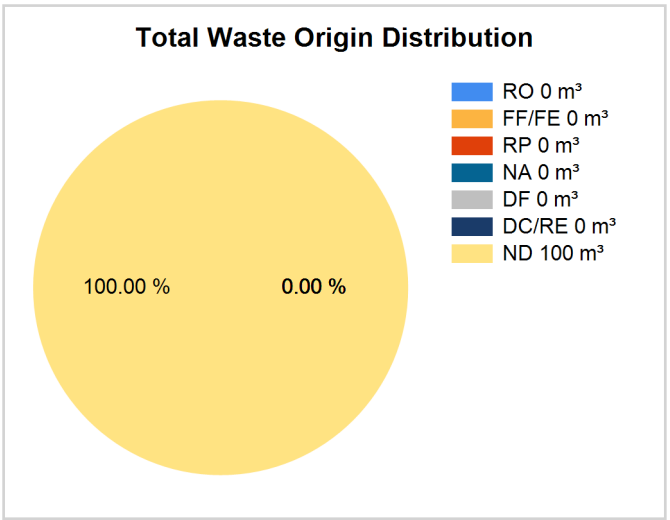
Full Name:

Inventory Reporting Date: December 2010 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 (Data) : OlympicDam

Stock of waste as at December 2010

Country: AUSTRALIA Reporting Year: 2010

Site Name: **OlympicDam**

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

Inventory Reporting Date: December 2010 Waste Matrix Used: IAEA Def.

UMMT in Storage

Total Mass (t):	178000000
Average Density (kg/m³):	1600

Site (Data) : Port Pirie

Stock of waste as at December 2010

Country: AUSTRALIA Reporting Year: 2010

Site Name: **Port Pirie**

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

Inventory Reporting Date: December 2010 Waste Matrix Used: IAEA Def.

UMMT in Storage

Total Mass (t):	192000
Average Density (kg/m³):	1600

Comment **# 26895:**

UMMT reported as volume (120000 cubic meters).

Site (Data) : RadiumHill

Stock of waste as at December 2010

Country: AUSTRALIA Reporting Year: 2010

Site Name: **RadiumHill**

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

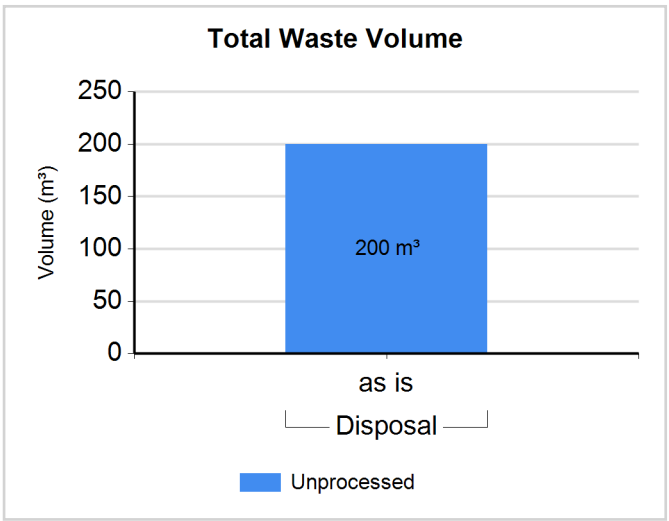
Inventory Reporting Date: December 2010 Waste Matrix Used: IAEA Def.

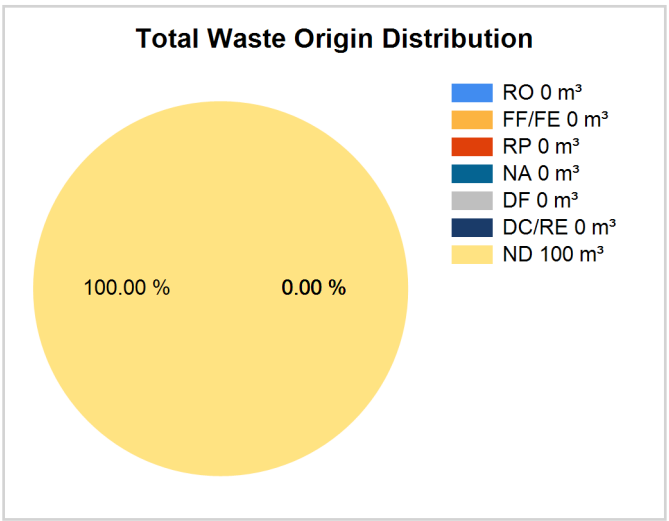
Comment **# 26987: Institutional Framework**

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 Disposal

Total Mass (t):	400000
Average Density (kg/m³):	1600

Comment **# 26896:**

UMMT reported as volume (250000 cubic meters)

Site (Data) : SA EPA

Stock of waste as at December 2010

Country: AUSTRALIA Reporting Year: 2010

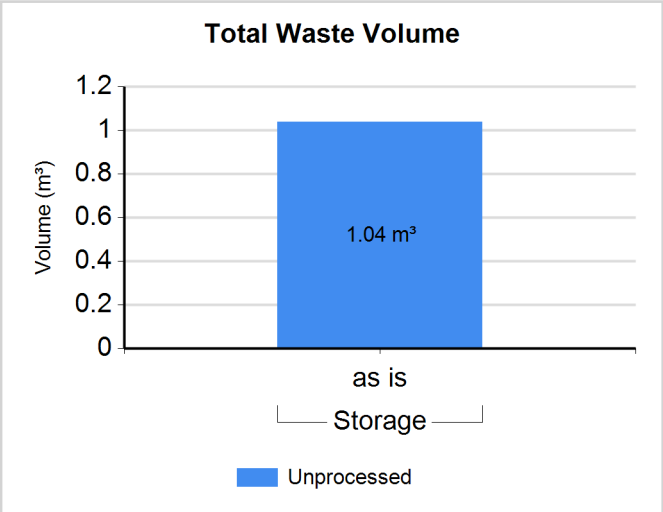
Site Name: **SA EPA**

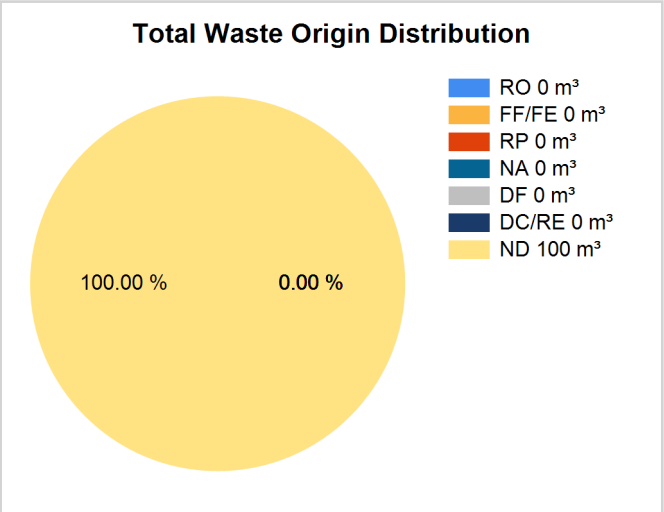
Full Name: South Australian Government - Environmental Protection Agency

Inventory Reporting Date: December 2010 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 <=30 years in Storage

Data available but will not be reported.

Spent Sources > 30 years in Storage

Data available but will not be reported.

UMMT in Storage

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

Site (Data) : Tas DHHS

Stock of waste as at December 2010

Country: AUSTRALIA Reporting Year: 2010

Site Name: **Tas DHHS**

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

Inventory Reporting Date: December 2010 Waste Matrix Used: IAEA Def.

Spent Sources <=30 years in Storage

Data available but will not be reported.

Spent Sources > 30 years in Storage

Data available but will not be reported.

Site (Data) : Vic DHS

Stock of waste as at December 2010

Country: AUSTRALIA Reporting Year: 2010

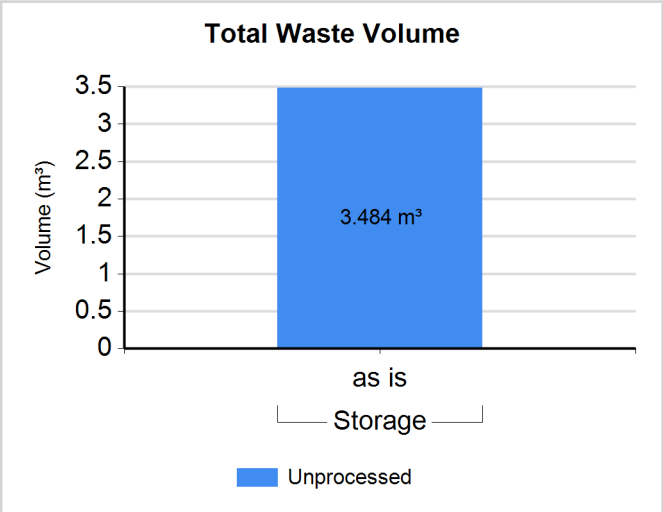
Site Name: **Vic DHS**

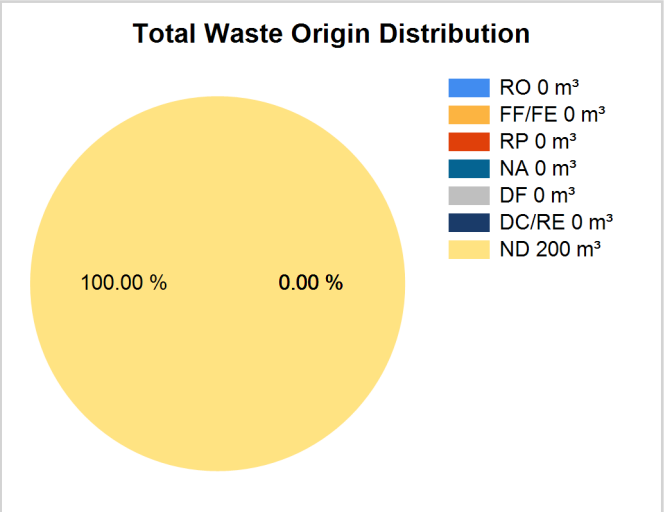
Full Name: Victorian Government - Department of Human Services

Inventory Reporting Date: December 2010 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

Data available but will not be reported.

Spent Sources > 30 years in Storage

Data available but will not be reported.

Site (Data) : Mt Walton

Stock of waste as at December 2010

Country: AUSTRALIA Reporting Year: 2010

Site Name: **Mt Walton**

Full Name: Mt Walton East Intractable Waste Management Facility

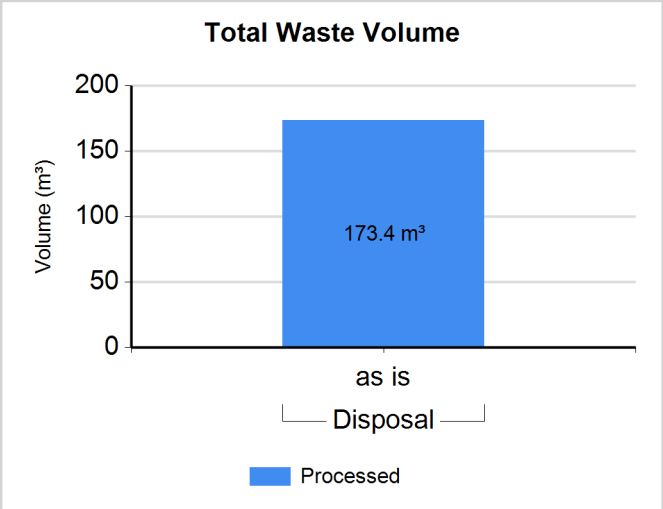
Inventory Reporting Date: December 2010 Waste Matrix Used: IAEA Def.

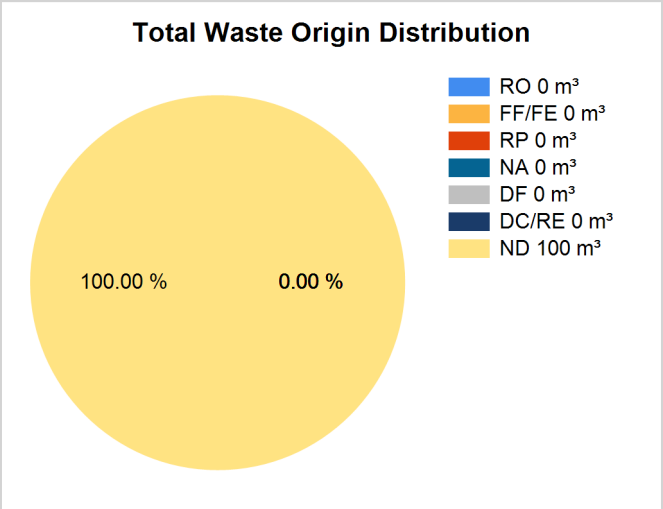
Comment **# 26985: Institutional Framework**

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 (Data) : WA RC

Stock of waste as at December 2010

Country: AUSTRALIA Reporting Year: 2010

Site Name: **WA RC**

Full Name: Western Australian Government - Radiological Council

Inventory Reporting Date: December 2010 Waste Matrix Used: IAEA Def.

Processing - Conditioning method(s)

Data available but will not be reported. **No data available.**

Regulators

Country: AUSTRALIA Reporting Year: 2010

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

Name:	**Qld Health**
Full Name:	Queensland Health
Divison:	Radiation Health Unit
City or Town:	Queensland
Main Website:	

Name:	**SA EPA**
Full Name:	South Australia - Environment Protection Authority
Divison:	Radiation Protection Branch
City or Town:	South Australia
Main Website:	

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

Name:	**Vic DH**
Full Name:	Victoria - Department of Health
Divison:	Radiation Safety
City or Town:	Victoria
Main Website:	

Regulators

Country: AUSTRALIA Reporting Year: 2010

Name:	**WA RC**
Full Name:	Western Australia - Radiological Council
Divison:	Radiation Health Branch
City or Town:	Western Australia
Main Website:	

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

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

Name:	**ARPANSA**
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: 2010

Name:	**ARPANS Act**	
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.

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

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

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

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

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

Regulations / Laws

Country: AUSTRALIA Reporting Year: 2010

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

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

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

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

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

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

Regulations / Laws

Country: AUSTRALIA Reporting Year: 2010

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

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

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

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

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

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

Regulations / Laws

Country: AUSTRALIA Reporting Year: 2010

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

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

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

Future Outlook

Country: AUSTRALIA Reporting Year: 2010

Data not available.

Future Outlook

Country: AUSTRALIA Reporting Year: 2010

Data not available.

Future Outlook

Country: AUSTRALIA Reporting Year: 2010

Data not available.

Future Outlook

Country: AUSTRALIA Reporting Year: 2010

Data not available.

Future Outlook

Country: AUSTRALIA Reporting Year: 2010

Data not available.

Future Outlook

Country: AUSTRALIA Reporting Year: 2010

Data not available.

Future Outlook

Country: AUSTRALIA Reporting Year: 2010

Data not available.