

## 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.

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**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

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<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

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<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

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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

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<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

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<b>Facility:</b>	<b>94RT01</b>
<b>Description:</b>	1994 radioactive waste disposal campaign into trench designated 94RT01
<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                      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

<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	1994	1994	False