

Waste Classification Schemes

Country: CANADA

Reporting Year: 2011

Waste Class Matrix: **IAEA Def.**

This country does use the IAEA Scheme: No

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

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Waste Class Matrix: **Canadian** Yes

Description: Radioactive waste is grouped into four categories: high-level radioactive waste, intermediate-level radioactive waste (ILW), low-level radioactive waste (LLW), and uranium mine and mill waste. The % cited are a first order estimate and will be updated in a future submission. Please refer to the comment that is included for this matrix.

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

Comment **# 20130: Waste Matrix CNSC/NRCan**

The classification of radioactive waste in Canada is described in the report "Canadian National Report for the Joint Convention on the Safety of Spent Fuel Management and on the Safety of Radioactive Waste Management", Third Report, October 2008 by the Government of Canada.

Comment **# 20139: Waste Matrix Canadian**

The Canadian Standards Association (CSA) - in collaboration with industry, government and the regulatory body - developed a standard that includes a radioactive waste classification system, CSA 293.3-08, which takes into account the IAEA Safety Guide DS-390, Radioactive Waste Classification, and the needs of the Canadian industry. The standard was published in March 2008. The radioactive waste-classification system described above recognizes four main classes of radioactive waste: high-level radioactive waste, intermediate-level radioactive waste (ILW), low-level radioactive waste (LLW), and uranium mine and mill waste.

Sub-classes for low-level wastes are also identified to provide better guidance on the appropriate waste management needs.

Comment **# 27365: Waste Data Update**

Please note that Canada updates its national waste inventory every three years. The waste data in this report reflects those from the last update in December 2010. The next update for the waste data will be in 2013.

Attachment **#1011: Waste Matrix**

Inventory_Report_2004.pdf

Inventory of Radioactive Waste in Canada (2004)

This report presents the inventory of radioactive waste in Canada to the end of 2003. It provides a review on the production, accumulation and projections of radioactive waste in Canada.

Attachment **#1830: Waste Matrix**

English Inventory Report 2009.pdf

Inventory of Radioactive Waste in Canada (2009)

This report presents the inventory of radioactive waste in Canada to the end of 2007. It provides a review on the production, accumulation and projections of radioactive waste in Canada.

Attachment **#2321: Waste Matrix**

Final 2012 InventoryRadWaste (E).pdf

Inventory of Radioactive Waste in Canada (2012).

This report presents the inventory of radioactive waste in Canada to the end of 2010. It provides a review on the production, accumulation and projections of radioactive waste in Canada.

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

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This country uses the following definitions:

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