



Country Waste Profile Report for CANADA Reporting Year: 2011

*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: 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

Waste Classification Schemes

Country: CANADA

Reporting Year: 2011

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»:

Waste Classification Schemes

Country: CANADA

Reporting Year: 2011

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

Groups Overview

Country: CANADA

Reporting Year: 2011

Reporting Group:	Historic
Inventory Reporting Date:	December 2011
Waste Matrix Used:	Canadian
Description:	This group summarizes historic LLW that was managed in the past in a manner no longer considered acceptable but for which the owner cannot reasonably be held responsible and for which the federal government has accepted responsibility.

Site Name	Facility Name	Facilities Defined	
ChalkRiver	WMA D		storage
Deloro	Deloro		storage
FtMcMurray	FMLTMF		storage
GTA	GTA		storage
MISC Sites	CCPTSS		storage
	CSP		storage
	FSISM		storage
	JSM		storage
	LRSM		storage
	PSECS		storage
	PSETSS		storage
	PSSM		storage
	PTSS		storage
	SSRCS		storage
	STPTSS		storage
	TISM		storage
NTR	NTR		storage
PHAI	PGWMF		storage
	PHWMF		storage
	WWMF		storage

Reporting Group:	Mine&Mill
Inventory Reporting Date:	December 2011
Waste Matrix Used:	Canadian
Description:	

Groups Overview

Country: CANADA

Reporting Year: 2011

Uranium Mining and Milling Waste - Tailings and Waste Rocks

Uranium Mill and Tailings waste data will be reported in the new version of the NEWDB when an option to report data in units other than "volume" will be made available. Current waste data is available in tonne of dry mass.

A list of closed, decommissioned and operational tailings/waste rock sites has been provided in this database for your information.

Site Name	Facility Name	Facilities Defined	
Decomm	Cluff Lake		storage
Inactive	AgnewLake		storage
	BeaverLodg		storage
	Bicroft		storage
	Denison		storage
	Dyno		storage
	Gunnar		storage
	Key Lake		storage
	Lacnor		storage
	Lorado		storage
	Madawaska		storage
	Milliken		storage
	Nordic		storage
	Panel		storage
	PortRadium		storage
	Pronto		storage
	Quirke1&2		storage
	RabbitLake		storage
	Rayrock		storage
	Span-Amer		storage
	SR/CANMET		storage
	Stanleigh		storage
Operating	Cigar Lake		storage
	Key Lake		storage
	McArthur		storage
	McClellan Lk		storage
	RabbitLake		storage

Groups Overview

Country: CANADA

Reporting Year: 2011

Reporting Group:	Other
Inventory Reporting Date:	December 2011
Waste Matrix Used:	Canadian
Description:	Includes other nuclear fuel cycle facilities that generate radioactive waste.

Site Name	Facility Name	Facilities Defined		
BlindRiver	BRiverRef	processing	storage	
Cameco	Cameco		storage	
Port Hope	PHopeConv	processing	storage	

Reporting Group:	PowerRctor
Inventory Reporting Date:	December 2011
Waste Matrix Used:	Canadian
Description:	This group summarizes inventories of radioactive waste from nuclear power generation. The source companies are Ontario Power Generation (OPG), Hydro-Quebec (HQ), New Brunswick Power (NB).

Site Name	Facility Name	Facilities Defined		
Bruce A&B	BNPD- WWMF	processing	storage	
	BNPD-RWOS1		storage	
	NGSs Bays		storage	
Darlington	DWMF		storage	
	NGS Bays		storage	
Gentilly-2	HQWMF		storage	
	NGS bays		storage	
Pickering	NGSs Bays		storage	
	PWMF		storage	
Pt.Lepreau	NGS bays		storage	
	PLWMF		storage	

Groups Overview

Country: CANADA

Reporting Year: 2011

Reporting Group:	RsrchRctor			
Inventory Reporting Date:	December 2011			
Waste Matrix Used:	Canadian			
Description:	This group summarizes the inventories of radioactive waste from Atomic Energy of Canada Limited's (AECL's) prototype/demonstration/research reactors. Inventories do not include fuel bundles currently in the reactors.			
Site Name	Facility Name	Facilities Defined		
AECL-CRL	LiquidWst		storage	
	NPD-WMA G		storage	
	NPD-WMF		storage	
	NRU Bays		storage	
	WMAs		storage	
	WMAs		storage	
AECL-DP	DPWMF		storage	
AECL-G1	G1WMF		storage	
AECL-WL	WL-WMA		storage	
MNR	Pool		storage	

Site (Structure) : ChalkRiver

Country: CANADA

Reporting Year: 2011

Full Name: Chalk River Disposal Facility

Description:

Official Website:

License Holder(s): Atomic Energy of Canada Limited (AECL)

Comment # 26991: Institutional Framework

Atomic Energy of Canada Limited is the main organization responsible for R&D in radioactive waste management in Canada. Nuclear Waste Management Organization is the implementing organization for the management of high level waste and spent fuel in Canada. The waste generators, i.e. Ontario Power Generation, Hydro Quebec and New Brunswick Power, are responsible for the management and disposal of low and intermediate level waste from NPPs in Canada. The CNSC (Canadian Nuclear Safety Commission) is the responsible organization for all regulatory and licensing matters relating to radioactive waste management in Canada.

Waste management facilities that are located at this site:

Facility:	WMA D
Description:	Buildings and luggers
Detailed Facility Description:	<p>The facility consists of (a) trenches excavated in sand, (b) seepage pits, (c) concrete monoliths, (d) asphalt-lined trenches, (e) concrete bunkers, and (f) tile holes. The barriers are made up of concrete and asphalt.</p> <p>All facilities are located in dune sand and are at least 1 m above groundwater. The layout of the Waste Management Area (WMA) and of the whole CRL site is such that wide buffer zones are provided between the WMA and the laboratory workers or general public.</p>
Waste Packages:	<p>Various containers are used for packaging of waste in the WMA facilities, including metal drums and cans, plastic-wrapped bales, metal and wooden boxes, etc. Some liquid wastes are immobilized in cement. Specific details are not available.</p> <p>The types of waste managed at the WMA at CRL are very diverse in nature. The overall waste inventory consists of 80% low level waste, 15% intermediate level waste and 5% high level waste. The wastes arise from a variety of sources, which include research laboratories, hospitals, universities, radioisotope production, fuel fabrication, etc. The low level waste is generally contaminated trash, containing less than 4 GBq/m³ of fission and activation products. The intermediate level waste consists of spent ion exchange resins, spent sealed sources, incinerator ash, baled waste, etc, having more than 4 GBq/m³ of fission and activation products.</p> <p>The facility capacity is estimated to be 98,900 m³, and is effectively full to capacity as of 2001.</p>
Facility Operation:	<p>The site has been in operation since 1946. Recently, it has undergone a corrective action consisting of installation of surface caps above some of the older trenches and retrieval for processing and/or repackaging. Emplacement into disposal units started in 1946 and continued until 1979. The facility is now considered closed.</p>
Financing:	<p>Waste producers pay for waste management including disposal through provisioning in their accounts. Provisions are made in line with Canadian accounting standards.</p>

Site (Structure) : ChalkRiver

Country: CANADA

Reporting Year: 2011

Storage part of facility**WMA D**

The following shows storage status for waste classes and SRS.

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

List SRS?	No
List UMMT?	No

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

Types of Storage Units

Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
Luggers	various	0	No	No	No	No
MarineCont	various	0	No	No	No	No

Site (Data) : ChalkRiver

Stock of waste as at December 2011

Country: CANADA

Reporting Year: 2011

Site Name: ChalkRiver

Full Name: Chalk River Disposal Facility

Inventory Reporting Date: December 2011

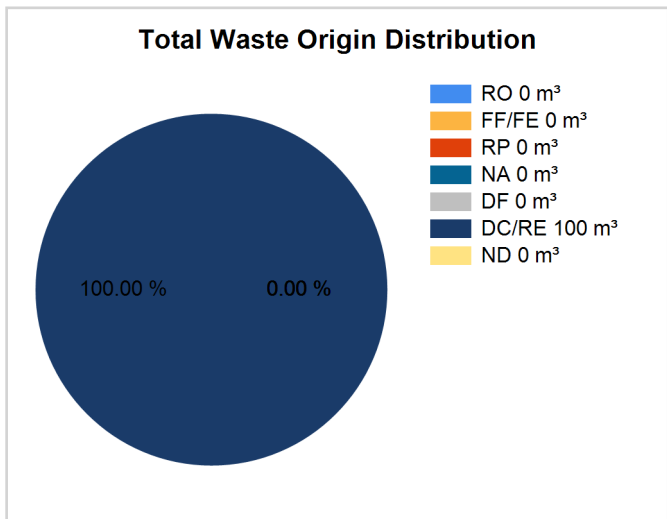
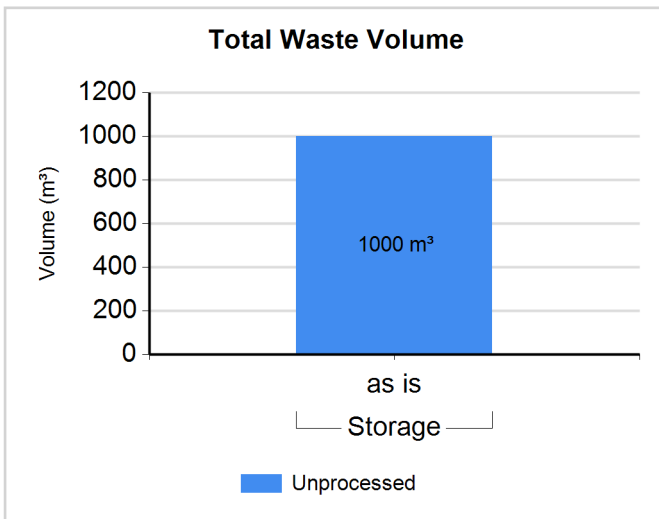
Waste Matrix Used: Canadian

Comment # 26991: Institutional Framework

Atomic Energy of Canada Limited is the main organization responsible for R&D in radioactive waste management in Canada. Nuclear Waste Management Organization is the implementing organization for the management of high level waste and spent fuel in Canada. The waste generators, i.e. Ontario Power Generation, Hydro Quebec and New Brunswick Power, are responsible for the management and disposal of low and intermediate level waste from NPPs in Canada. The CNSC (Canadian Nuclear Safety Commission) is the responsible organization for all regulatory and licensing matters relating to radioactive waste management in Canada.

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	1000.000	1000.000	0.00	0.00	0.00	0.00	0.00	100.00	0.00

Site (Structure) : Deloro

Country: CANADA

Reporting Year: 2011

Full Name: Deloro Mine Site

Description:

Official Website:

License Holder(s): Ontario Ministry of the Environment (OMOE)

Waste management facilities that are located at this site:

Facility:	Deloro					
Description:	Deloro Mine Site - LLW Contaminated soils and historical tailings.					
Storage part of facility Deloro						
The following shows storage status for waste classes and SRS.						
Waste Class	Actual	Planned				
HLW	No	No				
ILW	No	No				
LLW	Yes	No				
List SRS?	No					
List UMMT?	No					
Capacity:	37,500 cubic metres					
Types of Storage Units						
Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
Various	not in list	0	No	No	No	No

Site (Data) : Deloro

Stock of waste as at December 2011

Country: CANADA

Reporting Year: 2011

Site Name: Deloro

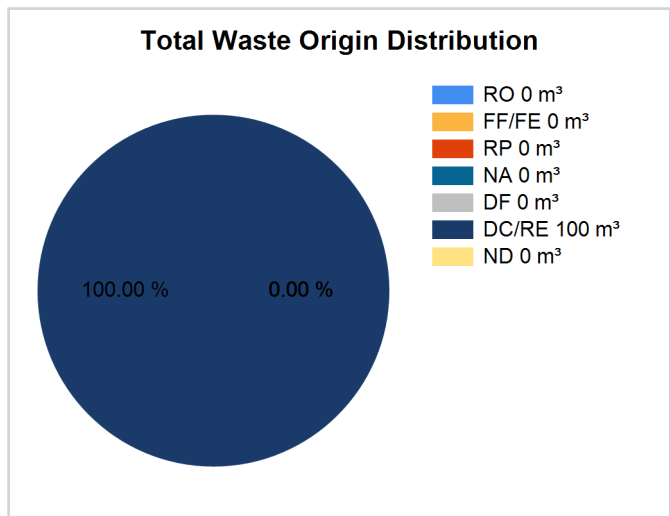
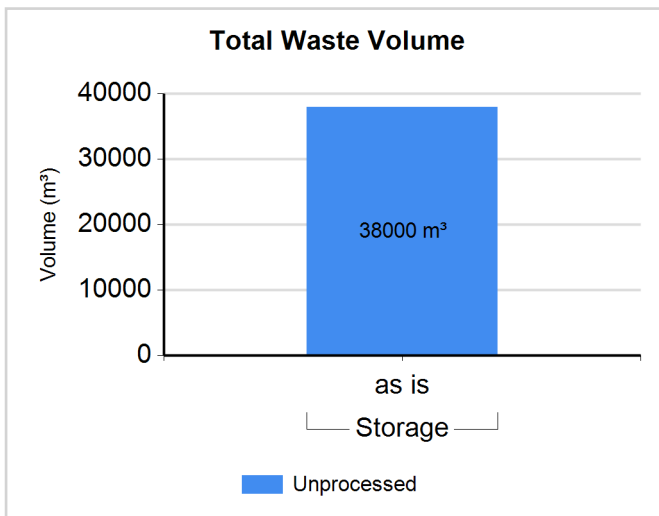
Full Name: Deloro Mine Site

Inventory Reporting Date: December 2011

Waste Matrix Used: Canadian

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 / Deloro	N	N	38000.000	38000.000	0.00	0.00	0.00	0.00	0.00	100.00	0.00

Site (Structure) : FtMcMurray

Country: CANADA

Reporting Year: 2011

Full Name: Fort McMurray

Description:

Official Website:

License Holder(s): AECL-LLRWMO

Waste management facilities that are located at this site:

Facility:	FMLTMF	
Description:	Fort McMurray Long-Term Management Facility (FMLTMF) is in a storage-with-surveillance mode. LLW - Contaminated soils	
Storage part of facility		
The following shows storage status for waste classes and SRS.		
Waste Class	Actual	Planned
HLW	No	No
ILW	No	No
LLW	No	No
List SRS?	#Error	
List UMMT?	#Error	
Capacity:		

Site (Data) : FtMcMurray

Stock of waste as at December 2011

Country: CANADA

Reporting Year: 2011

Site Name: FtMcMurray

Full Name: Fort McMurray

Inventory Reporting Date: December 2011

Waste Matrix Used: Canadian

No Waste Data to report.

Site (Structure) : GTA

Country: CANADA

Reporting Year: 2011

Full Name: Greater Toronto Area

Description:

Official Website:

License Holder(s): AECL - LLRWMO, Toronto Regional Conservation Authority (TRCA), Ontario Realty Corporation (ORC)

Waste management facilities that are located at this site:

Facility:	GTA
Description:	Greater Toronto ARea - LLW - Radium contaminated soils. Radium contamination fixed to structural elements in buildings.

Storage part of facility GTA

The following shows storage status for waste classes and SRS.

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

List SRS?	No
List UMMT?	No

Capacity:	13,5000 cubic metres
-----------	----------------------

Types of Storage Units

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

Site (Data) : GTA

Stock of waste as at December 2011

Country: CANADA

Reporting Year: 2011

Site Name: **GTA**

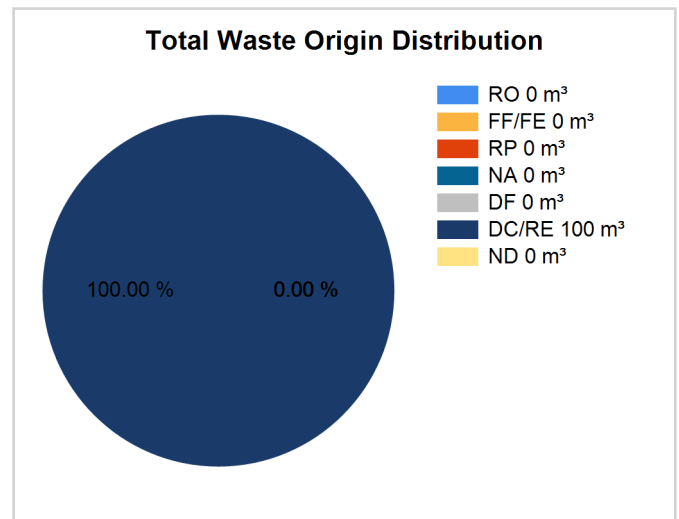
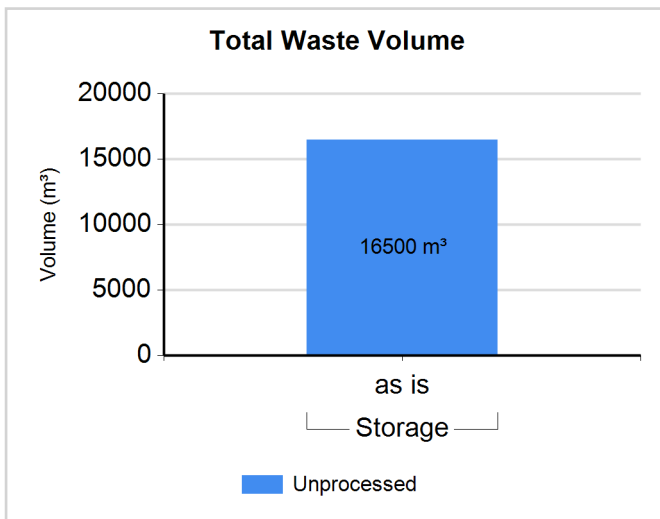
Full Name: Greater Toronto Area

Inventory Reporting Date: December 2011

Waste Matrix Used: Canadian

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 / GTA	N	N	16500.000	16500.000	0.00	0.00	0.00	0.00	0.00	100.00	0.00

Site (Structure) : MISC Sites

Country: CANADA

Reporting Year: 2011

Full Name: Various sites with low-level radioactive waste from past practices

Description:

Official Website:

License Holder(s): various license holders

Waste management facilities that are located at this site:

Facility:	CCPTSS	
Description:	Cameco Centre Pier Temporary Storage Site (CCPTSS is in a storage-with-surveillance mode)	
Storage part of facility		
The following shows storage status for waste classes and SRS.		
Waste Class	Actual	Planned
HLW	No	No
ILW	No	No
LLW	No	No
List SRS?	#Error	
List UMMT?	#Error	
Capacity:		

Site (Structure) : MISC Sites

Country: CANADA

Reporting Year: 2011

Facility:	CSP	
Description:	Caroline Street Park (CSP is in a storage-surveillance mode)	
Storage part of facility		
The following shows storage status for waste classes and SRS.		
Waste Class	Actual	Planned
HLW	No	No
ILW	No	No
LLW	No	No
List SRS?	#Error	
List UMMT?	#Error	
Capacity:		

Site (Structure) : MISC Sites

Country: CANADA

Reporting Year: 2011

Facility:	FSISM	
Description:	Fort Smith Interim Storage Mound (The FSISM is in a storage-with-surveillance mode)	
Storage part of facility		
The following shows storage status for waste classes and SRS.		
Waste Class	Actual	Planned
HLW	No	No
ILW	No	No
LLW	No	No
List SRS?	#Error	
List UMMT?	#Error	
Capacity:		

Site (Structure) : MISC Sites

Country: CANADA

Reporting Year: 2011

Facility:	JSM	
Description:	John Street Mound (JSM is in a storage-with-surveillance mode)	
Storage part of facility		
The following shows storage status for waste classes and SRS.		
Waste Class	Actual	Planned
HLW	No	No
ILW	No	No
LLW	No	No
List SRS?	#Error	
List UMMT?	#Error	
Capacity:		

Site (Structure) : MISC Sites

Country: CANADA

Reporting Year: 2011

Facility:	LRSM												
Description:	Lakeshore Road Storage Mound (LRSM is in a storage-with-surveillance mode)												
Storage part of facility													
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>HLW</td><td>No</td><td>No</td></tr><tr><td>ILW</td><td>No</td><td>No</td></tr><tr><td>LLW</td><td>No</td><td>No</td></tr></tbody></table>	Waste Class	Actual	Planned	HLW	No	No	ILW	No	No	LLW	No	No	
Waste Class	Actual	Planned											
HLW	No	No											
ILW	No	No											
LLW	No	No											
List SRS?	#Error												
List UMMT?	#Error												
Capacity:													

Site (Structure) : MISC Sites

Country: CANADA

Reporting Year: 2011

Facility:	PSECS
Description:	Pine Street Extension Consolidation Site (The PSECS is in Storage-with-surveillance mode)

Storage part of facility

The following shows storage status for waste classes and SRS.

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

List SRS?	#Error
List UMMT?	#Error
Capacity:	

Site (Structure) : MISC Sites

Country: CANADA

Reporting Year: 2011

Facility:	PSETSS	
Description:	Pine Street Extension Temporary Storage Site (The PSETSS is in storage-with-surveillance mode)	
Storage part of facility		
The following shows storage status for waste classes and SRS.		
Waste Class	Actual	Planned
HLW	No	No
ILW	No	No
LLW	No	No
List SRS?	#Error	
List UMMT?	#Error	
Capacity:		

Site (Structure) : MISC Sites

Country: CANADA

Reporting Year: 2011

Facility:	PSSM												
Description:	Peter Street Storage Mound (PSSM is in a storage-with-surveillance mode)												
Storage part of facility													
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>HLW</td><td>No</td><td>No</td></tr><tr><td>ILW</td><td>No</td><td>No</td></tr><tr><td>LLW</td><td>No</td><td>No</td></tr></tbody></table>	Waste Class	Actual	Planned	HLW	No	No	ILW	No	No	LLW	No	No	
Waste Class	Actual	Planned											
HLW	No	No											
ILW	No	No											
LLW	No	No											
List SRS?	#Error												
List UMMT?	#Error												
Capacity:													

Site (Structure) : MISC Sites

Country: CANADA

Reporting Year: 2011

Facility:	PTSS	
Description:	Passmore Temporary Storage Site (PTSS is in a storage-with-surveillance mode)	
Storage part of facility		
The following shows storage status for waste classes and SRS.		
Waste Class	Actual	Planned
HLW	No	No
ILW	No	No
LLW	No	No
List SRS?	#Error	
List UMMT?	#Error	
Capacity:		

Site (Structure) : MISC Sites

Country: CANADA

Reporting Year: 2011

Facility:	SSRCS	
Description:	Strachan Street Ravine Consolidation Site (SSECS is in a storage-with-surveillance mode)	
Storage part of facility		
The following shows storage status for waste classes and SRS.		
Waste Class	Actual	Planned
HLW	No	No
ILW	No	No
LLW	No	No
List SRS?	#Error	
List UMMT?	#Error	
Capacity:		

Site (Structure) : MISC Sites

Country: CANADA

Reporting Year: 2011

Facility:	STPTSS
Description:	Sewage Treatment Plant Temporary Storage Site (STPTSS is in a storage-with-surveillance mode)

Storage part of facility

The following shows storage status for waste classes and SRS.

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

List SRS?	#Error
List UMMT?	#Error
Capacity:	

Site (Structure) : MISC Sites

Country: CANADA

Reporting Year: 2011

Facility:	TISM		
Description:	Tulita Interim Storage Mound (The TISM is in a storage-with-surveillance mode)		
Storage part of facility			
The following shows storage status for waste classes and SRS.			
Waste Class	Actual	Planned	
HLW	No	No	
ILW	No	No	
LLW	No	No	
List SRS?	#Error		
List UMMT?	#Error		
Capacity:			

Site (Data) : MISC Sites

Stock of waste as at December 2011

Country: CANADA

Reporting Year: 2011

Site Name: MISC Sites

Full Name: Various sites with low-level radioactive waste from past practices

Inventory Reporting Date: December 2011 Waste Matrix Used: Canadian

No Waste Data to report.

Site (Structure) : NTR

Country: CANADA

Reporting Year: 2011

Full Name: Northern Transportation Route

Description:

Official Website:

License Holder(s): Atomic Energy of Canada Limited - Lower Level Radioactive Waste Management Office (LLRWMO)

Waste management facilities that are located at this site:

Facility:	NTR					
Description:	Northern Transportation Route - Low-level historic waste sites identified along the NTR. Contaminated soil. The NTR extends from the Port Radium Mine site on Great Bear Lake, via a 2,100-kilometre system of lakes and rivers south to Fort McMurray.					
Storage part of facility		NTR				
The following shows storage status for waste classes and SRS.						
Waste Class	Actual	Planned				
HLW	No	No				
ILW	No	No				
LLW	Yes	No				
List SRS?	No					
List UMMT?	No					
Capacity:	10,000 cubic metres					
Types of Storage Units						
Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
Soil	not in list	0	No	No	No	No

Site (Data) : NTR

Stock of waste as at December 2011

Country: CANADA

Reporting Year: 2011

Site Name: NTR

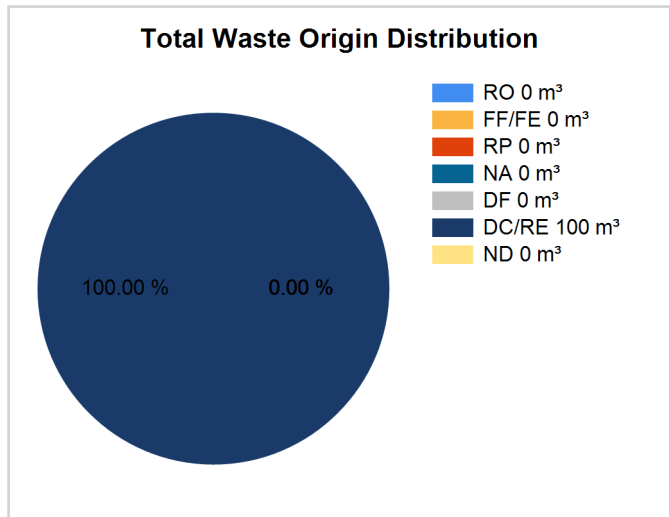
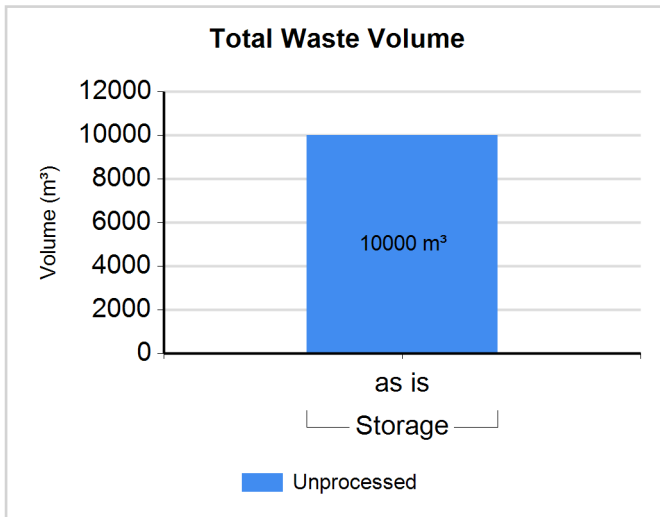
Full Name: Northern Transportation Route

Inventory Reporting Date: December 2011

Waste Matrix Used: Canadian

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 / NTR	N	N	10000.000	10000.000	0.00	0.00	0.00	0.00	0.00	100.00	0.00

Site (Structure) : PHAI

Country: CANADA

Reporting Year: 2011

Full Name: Port Hope Area Initiative (PHAI)

Description:

Official Website:

License Holder(s): Atomic Energy of Canada Limited (AECL) - Low Level Radioactive Waste Management Office (LLRWMO) is responsible for Port Hope Waste Management Facility. / Cameco is responsible for Port Granby Waste Management Facility in the Municipality of Clarington and Welcome Waste Management Facility.

Atomic Energy of Canada Limited (AECL) - Low Level Radioactive Waste Management Office (LLRWMO) is responsible for Port Hope Waste Management Facility. / Cameco is responsible for Port Granby Waste Management Facility in the Municipality of Clarington and Welcome Waste Management Facility.

Waste management facilities that are located at this site:

Facility:	PGWMF					
Description:	Port Granby Waste Management Facility (PGWMF) - LLW burial of wastes and contaminated soils.					
Storage part of facility PGWMF						
The following shows storage status for waste classes and SRS.						
Waste Class	Actual	Planned				
HLW	No	No				
ILW	No	No				
LLW	Yes	No				
List SRS?	No					
List UMMT?	No					
Capacity:	440,000 cubic metres Site is in SWS mode					
Types of Storage Units						
Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
Soil	mound	0	No	No	No	No

Site (Structure) : PHAI

Country: CANADA

Reporting Year: 2011

Facility:	PHWMF					
Description:	Port Hope Waste Management Facility (PHWMF) - LLW - Above-ground mounds of contaminated soils.					
Storage part of facility		PHWMF				
The following shows storage status for waste classes and SRS.						
Waste Class	Actual	Planned				
HLW	No	No				
ILW	No	No				
LLW	Yes	No				
List SRS?	No					
List UMMT?	No					
Capacity:	720,000 cubic metres Site is in SWS mode					
Types of Storage Units						
Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
PHWMF	mound	0	No	No	No	No

Site (Structure) : PHAI

Country: CANADA

Reporting Year: 2011

Facility:	WWMF					
Description:	Welcome Waste Management Facility (WWMF) - LLW burial of wastes and contaminated soils.					
Storage part of facility WWMF						
The following shows storage status for waste classes and SRS.						
Waste Class	Actual	Planned				
HLW	No	No				
ILW	No	No				
LLW	Yes	No				
List SRS?	No					
List UMMT?	No					
Capacity:	480,000 Site is in SWS mode					
Types of Storage Units						
Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
Soil	mound	0	No	No	No	No

Site (Data) : PHAI

Stock of waste as at December 2011

Country: CANADA

Reporting Year: 2011

Site Name: PHAI

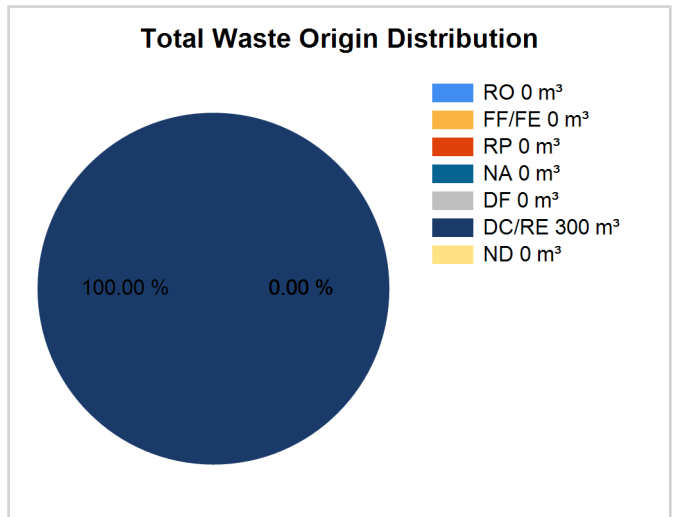
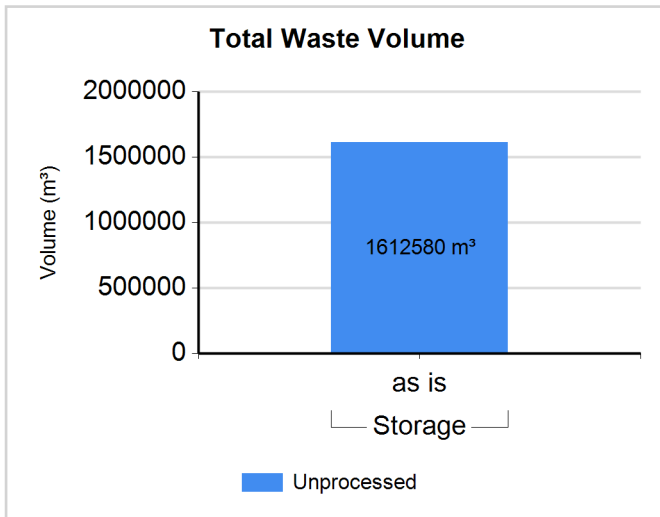
Full Name: Port Hope Area Initiative (PHAI)

Inventory Reporting Date: December 2011

Waste Matrix Used: Canadian

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 / PGWMF	N	N	438200.000	438200.000	0.00	0.00	0.00	0.00	0.00	100.00	0.00
LLW	Storage / PHWMF	N	N	720000.000	720000.000	0.00	0.00	0.00	0.00	0.00	100.00	0.00
LLW	Storage / WWMF	N	N	454380.000	454380.000	0.00	0.00	0.00	0.00	0.00	100.00	0.00

Site (Structure) : Decomm

Country: CANADA

Reporting Year: 2011

Full Name: Decommissioning Tailings Sites

Decommissioned tailings/waste rock site has been provided in this database for your information.

Description:

Official Website:

License Holder(s): AREVA

Waste management facilities that are located at this site:

Facility:	Cluff Lake					
Description:	AREVA - Saskatchewan - Tailings Management Area - Surface					
Storage part of facility						
Cluff Lake						
The following shows storage status for waste classes and SRS.						
Waste Class	Actual	Planned				
HLW	No	No				
ILW	No	No				
LLW	No	No				
List SRS?	No					
List UMMT?	Yes					
Capacity:	This is a closed facility					
Types of Storage Units						
Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
Tailings	not in list	0	Yes	No	No	No

Site (Data) : Decomm

Stock of waste as at December 2011

Country: CANADA

Reporting Year: 2011

Site Name: Decomm

Full Name: Decommissioning Tailings Sites

Decommissioned tailings/waste rock site has been provided in this database for your information.

Inventory Reporting Date: December 2011

Waste Matrix Used: Canadian

UMMT in Storage

Total Mass (t):	3230000
Average Density (kg/m ³):	0

Comment # 27242: Decommissioning Tailing Sites

Cluff Lake - Responsible party: AREVA

Site (Structure) : Inactive

Country: CANADA

Reporting Year: 2011

Full Name: Closed/Inactive Uranium Tailings and Waste Rock Sites (as of December 31, 2010)

A list of closed tailings/waste rock sites has been provided in this database for your information.

Description:

Official Website:

License Holder(s): MISC.

Waste management facilities that are located at this site:

Facility:	AgnewLake					
Description:	Agnew Lake Mines - Espanola - Ontario Ministry of Northern Development & Mines - Ontario - Dry Tailings Management Area - Lake-vegetated, aboveground tailings - Decommissioned since 1990/ongoing monitoring					
Storage part of facility		AgnewLake				
The following shows storage status for waste classes and SRS.						
Waste Class	Actual	Planned				
HLW	No	No				
ILW	No	No				
LLW	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	0	Yes	No	No	No

Site (Structure) : Inactive

Country: CANADA

Reporting Year: 2011

Facility:	BeaverLodg					
Description:	Beaverlodge - Cameco - Saskatchewan - Surface Tailings and Underground/Mine Backfill - Decommissioned since 1982/ongoing monitoring					
Storage part of facility		BeaverLodg				
The following shows storage status for waste classes and SRS.						
Waste Class	Actual	Planned				
HLW	No	No				
ILW	No	No				
LLW	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	0	Yes	No	No	No

Site (Structure) : Inactive

Country: CANADA

Reporting Year: 2011

Facility:	Bicroft					
Description:	Bicroft - Bancroft - Lac Properties Inc. - Ontario - Bicroft Tailings Management Area - Aboveground tailings in two areas - Closed since 1964/ongoing monitoring					
Storage part of facility		Bicroft				
The following shows storage status for waste classes and SRS.						
Waste Class	Actual	Planned				
HLW	No	No				
ILW	No	No				
LLW	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	0	Yes	No	No	No

Site (Structure) : Inactive

Country: CANADA

Reporting Year: 2011

Facility:	Denison
Description:	Denison - Elliot Lake - Denison Mines Inc. - Ontario - Denison Tailings Management Area (TMA1, TMA2) - Flooded, aboveground tailings - Decommissioned/ongoing monitoring

Storage part of facility Denison

The following shows storage status for waste classes and SRS.

Waste Class	Actual	Planned
HLW	No	No
ILW	No	No
LLW	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	0	Yes	No	No	No

Site (Structure) : Inactive

Country: CANADA

Reporting Year: 2011

Facility:	Dyno					
Description:	Dyno - Bancroft - EnCana Corporation - Ontario - Surface tailings - Closed since 1960/ongoing monitoring					
Storage part of facility		Dyno				
The following shows storage status for waste classes and SRS.						
Waste Class	Actual	Planned				
HLW	No	No				
ILW	No	No				
LLW	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	0	Yes	No	No	No

Site (Structure) : Inactive

Country: CANADA

Reporting Year: 2011

Facility:	Gunnar
Description:	Saskatchewan Research Council - Saskatchewan - Surface Tailings - Closed since 1964

Storage part of facility Gunnar

The following shows storage status for waste classes and SRS.

Waste Class	Actual	Planned
HLW	No	No
ILW	No	No
LLW	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	0	Yes	No	No	No

Site (Structure) : Inactive

Country: CANADA

Reporting Year: 2011

Facility:	Key Lake					
Description:	Cameco - Saskatchewan - Surface Tailings (Old Tailings Pond) - Aboveground tailings management facility - Closed since 1996/ongoing monitoring					
Storage part of facility		Key Lake				
The following shows storage status for waste classes and SRS.						
Waste Class	Actual	Planned				
HLW	No	No				
ILW	No	No				
LLW	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	0	Yes	No	No	No

Site (Structure) : Inactive

Country: CANADA

Reporting Year: 2011

Facility:	Lacnor					
Description:	Lacnor - Elliot Lake - Rio Algom Ltd. - Ontario - Lacnor Waste Management Area - Aboveground tailings - Decommissioned/ongoing monitoring					
Storage part of facility		Lacnor				
The following shows storage status for waste classes and SRS.						
Waste Class	Actual	Planned				
HLW	No	No				
ILW	No	No				
LLW	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	0	Yes	No	No	No

Site (Structure) : Inactive

Country: CANADA

Reporting Year: 2011

Facility:	Lorado
Description:	Saskatchewan Research Council - Saskatchewan - Surface Tailings - Closed since 1960

Storage part of facility Lorado

The following shows storage status for waste classes and SRS.

Waste Class	Actual	Planned
HLW	No	No
ILW	No	No
LLW	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	0	Yes	No	No	No

Site (Structure) : Inactive

Country: CANADA

Reporting Year: 2011

Facility:	Madawaska					
Description:	Madawaska - Bancroft - EnCana Coporation - Ontario - Surface Tailings - Two areas - Decommissioned/ongoing monitoring					
Storage part of facility Madawaska						
The following shows storage status for waste classes and SRS.						
Waste Class	Actual	Planned				
HLW	No	No				
ILW	No	No				
LLW	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	0	Yes	No	No	No

Site (Structure) : Inactive

Country: CANADA

Reporting Year: 2011

Facility:	Milliken
Description:	Milliken - Elliot Lake - Rio Algom Ltd. - Ontario - Milliken tailings management area - Decommissioned/ongoing monitoring

Storage part of facility Milliken

The following shows storage status for waste classes and SRS.

Waste Class	Actual	Planned
HLW	No	No
ILW	No	No
LLW	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	0	Yes	No	No	No

Site (Structure) : Inactive

Country: CANADA

Reporting Year: 2011

Facility:	Nordic					
Description:	Nordic - Elliot Lake - Rio Algom Ltd. - Ontario - Nordic Waste Manage - Aboveground tailings - Decommissioned/ongoing monitoring					
Storage part of facility		Nordic				
The following shows storage status for waste classes and SRS.						
Waste Class	Actual	Planned				
HLW	No	No				
ILW	No	No				
LLW	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	0	Yes	No	No	No

Site (Structure) : Inactive

Country: CANADA

Reporting Year: 2011

Facility:	Panel					
Description:	Panel - Elliot Lake - Rio Algom Ltd. - Ontario - Panel Mine TMA, Main Basin (North) and South Basin - Flooded, aboveground tailings - Decommissioned/ongoing monitoring					
Storage part of facility		Panel				
The following shows storage status for waste classes and SRS.						
Waste Class	Actual	Planned				
HLW	No	No				
ILW	No	No				
LLW	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	0	Yes	No	No	No

Site (Structure) : Inactive

Country: CANADA

Reporting Year: 2011

Facility:	PortRadium					
Description:	Indian and Northern Affairs Canada - Northwest Territories - Surface Tailings - Four Areas: North and South tailings piles - Decommissioned since 1984/ongoing monitoring					
Storage part of facility		PortRadium				
The following shows storage status for waste classes and SRS.						
Waste Class	Actual	Planned				
HLW	No	No				
ILW	No	No				
LLW	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	0	Yes	No	No	No

Site (Structure) : Inactive

Country: CANADA

Reporting Year: 2011

Facility:	Pronto					
Description:	Pronto - Blind River - Rio Algom Ltd. - Ontario - Pronto Waste Management Area - Aboveground tailings - Decommissioned/ongoing monitoring					
Storage part of facility		Pronto				
The following shows storage status for waste classes and SRS.						
Waste Class	Actual	Planned				
HLW	No	No				
ILW	No	No				
LLW	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	0	Yes	No	No	No

Site (Structure) : Inactive

Country: CANADA

Reporting Year: 2011

Facility:	Quirke1&2
Description:	Quirke 1 and 2 - Elliot Lake - Rio Algom Ltd. - Ontario - Quirke Mine Tailings Management Area (TMA) - Flooded, aboveground tailings - Decommissioned/ongoing monitoring

Storage part of facility**Quirke1&2**

The following shows storage status for waste classes and SRS.

Waste Class	Actual	Planned
HLW	No	No
ILW	No	No
LLW	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	0	Yes	No	No	No

Site (Structure) : Inactive

Country: CANADA

Reporting Year: 2011

Facility:	RabbitLake
Description:	Cameco - Saskatchewan - Surface Tailings - Aboveground tailings management facility - Closed since 1985/being decommissioned

Storage part of facility RabbitLake

The following shows storage status for waste classes and SRS.

Waste Class	Actual	Planned
HLW	No	No
ILW	No	No
LLW	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	0	Yes	No	No	No

Site (Structure) : Inactive

Country: CANADA

Reporting Year: 2011

Facility:	Rayrock
Description:	Indian and Northern Affairs Canada - Northwest Territories - North and South Tailings piles - Closed since 1959/ongoing monitoring

Storage part of facility Rayrock

The following shows storage status for waste classes and SRS.

Waste Class	Actual	Planned
HLW	No	No
ILW	No	No
LLW	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	0	Yes	No	No	No

Site (Structure) : Inactive

Country: CANADA

Reporting Year: 2011

Facility:	Span-Amer					
Description:	Spanish-American - Elliot Lake - Rio Algom Ltd. - Ontario - Spanish American Tailings Management Area - Flooded, aboveground tailings - Decommissioned/ongoing monitoring					
Storage part of facility		Span-Amer				
The following shows storage status for waste classes and SRS.						
Waste Class	Actual	Planned				
HLW	No	No				
ILW	No	No				
LLW	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	0	Yes	No	No	No

Site (Structure) : Inactive

Country: CANADA

Reporting Year: 2011

Facility:	SR/CANMET					
Description:	Stanrock/CANMET - Elliot Lake - Denison Mines Inc. - Ontario - Stanrock Tailings Management Area (TMA) - Aboveground tailings - Decommissioned/ongoing monitoring					
Storage part of facility		SR/CANMET				
The following shows storage status for waste classes and SRS.						
Waste Class	Actual	Planned				
HLW	No	No				
ILW	No	No				
LLW	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	0	Yes	No	No	No

Site (Structure) : Inactive

Country: CANADA

Reporting Year: 2011

Facility:	Stanleigh					
Description:	Stanleigh - Elliot Lake - Rio Algom Ltd. - Ontario - Stanleigh Tailings Management Area (TMA) - Flooded, aboveground tailings - Decommissioned/ongoing monitoring					
Storage part of facility		Stanleigh				
The following shows storage status for waste classes and SRS.						
Waste Class	Actual	Planned				
HLW	No	No				
ILW	No	No				
LLW	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	0	Yes	No	No	No

Site (Data) : Inactive

Stock of waste as at December 2011

Country: CANADA

Reporting Year: 2011

Site Name: Inactive

Full Name: Closed/Inactive Uranium Tailings and Waste Rock Sites (as of December 31, 2010)

A list of closed tailings/waste rock sites has been provided in this database for your information.

Inventory Reporting Date: December 2011

Waste Matrix Used: Canadian

UMMT in Storage

Total Mass (t):	197641000
Average Density (kg/m ³):	0

Comment **# 27243: Inactive Tailings Sites**

Includes the following sites:

Key Lake - Cameco
 Rabbit Lake - Cameco
 Beaverlodge - Cameco
 Gunnar - Saskatchewan Research Council
 Lorado - Saskatchewan Research Council
 Port Radium - Indian and Northern Affairs Canada
 Rayrock - Indian and Northern Affairs Canada
 Quirke 1 and 2 - Rio Algom Ltd.
 Panel - Rio Algom Ltd.
 Denison - Denison Mines Inc.
 Spanish American - Rio Algom Ltd.
 Stanrock/Can-met - Denison Mines Inc.
 Stanleigh - Rio Algom Ltd.
 Lacnor - Rio Algom Ltd.
 Nordic - Rio Algom Ltd.
 Milliken - Rio Algom Ltd.
 Pronto - Rio Algom Ltd.
 Agnew lake - Ontario Ministry of Northern Development and Mines
 Dyno - EWL Management Ltd.
 Bicroft - Barrick Gold Corp.
 Madawaska - EWL Management Ltd.

Site (Structure) : Operating

Country: CANADA

Reporting Year: 2011

Full Name: Uranium tailings and waste rock at Operational Mine Sites (as of December 31, 2010)

A list of operational tailings/waste rock sites has been provided in this database for your information.

Description:

Official Website:

License Holder(s): MISC.

Waste management facilities that are located at this site:

Facility:	Cigar Lake					
Description:	Cameco - Saskatchewan - No tailings onsite. Once operational, ore will be transported to McClean Lake and Rabbit Lake for milling. Construction/Anticipated start-up in 2012					
Storage part of facility		Cigar Lake				
The following shows storage status for waste classes and SRS.						
Waste Class	Actual	Planned				
HLW	No	No				
ILW	No	No				
LLW	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?
Min-WasRck	not in list	1999	No	No	No	No

Site (Structure) : Operating

Country: CANADA

Reporting Year: 2011

Facility:	Key Lake
Description:	Cameco - Saskatchewan - Deilman Tailings Management Facility (DTMF) - Tailings management area stores tailings from Key Lake and McArthur River.

Storage part of facility**Key Lake**

The following shows storage status for waste classes and SRS.

Waste Class	Actual	Planned
HLW	No	No
ILW	No	No
LLW	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	1995	No	No	No	No
Min-WasRck	not in list	1995	No	No	No	No
NM-WasRck	not in list	1995	No	No	No	No

Site (Structure) : Operating

Country: CANADA

Reporting Year: 2011

Facility:	McArthur
Description:	McArthur River - Cameco - Saskatchewan - No tailings onste. Ore is transported to Key Lake for milling.

Storage part of facility **McArthur**

The following shows storage status for waste classes and SRS.

Waste Class	Actual	Planned
HLW	No	No
ILW	No	No
LLW	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?
Min-WasRck	not in list	1999	No	No	No	No
NMWasRck	not in list	1999	No	No	No	No

Site (Structure) : Operating

Country: CANADA

Reporting Year: 2011

Facility:	McClellan Lk
Description:	McClellan Lake Operations - AREVA - Saskatchewan - JEB TMF - In-pit tailings management facility stores tailings from McClellan Lake. This facility will soon be used for tailing from Cigar Lake and Midwest as well.

Storage part of facility McClellan Lk

The following shows storage status for waste classes and SRS.

Waste Class	Actual	Planned
HLW	No	No
ILW	No	No
LLW	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	pit	1999	No	No	No	No
Min-WasRck	not in list	1999	No	No	No	No
NMWasRck	not in list	1999	No	No	No	No

Site (Structure) : Operating

Country: CANADA

Reporting Year: 2011

Facility:	RabbitLake
Description:	Cameco - Saskatchewan - Rabbit Lake In-Pit TMF - Tailings management area holds tailings from Rabbit Lake and Cigar Lake.

Storage part of facility RabbitLake

The following shows storage status for waste classes and SRS.

Waste Class	Actual	Planned
HLW	No	No
ILW	No	No
LLW	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	pit	1985	No	No	No	No
Min-WasRck	not in list	1985	No	No	No	No
NMWasRck	not in list	1985	No	No	No	No

Site (Data) : Operating

Stock of waste as at December 2011

Country: CANADA

Reporting Year: 2011

Site Name: Operating

Full Name: Uranium tailings and waste rock at Operational Mine Sites (as of December 31, 2010)

A list of operational tailings/waste rock sites has been provided in this database for your information.

Inventory Reporting Date: December 2011

Waste Matrix Used: Canadian

UMMT in Storage

Total Mass (t):	13347160
Average Density (kg/m ³):	0

Site (Structure) : BlindRiver

Country: CANADA

Reporting Year: 2011

Full Name: Cameco Blind River Refinery

Description:

Official Website:

License Holder(s): Cameco

Waste management facilities that are located at this site:

Facility:	BRiverRef					
Description:	Cameco Blind River Refinery - WM programs collect, clean, monitor and, if necessary, cut to acceptable sizes all scrap material.					
Storage part of facility BRiverRef						
The following shows storage status for waste classes and SRS.						
Waste Class	Actual	Planned				
HLW	No	No				
ILW	No	No				
LLW	Yes	No				
List SRS?	No					
List UMMT?	No					
Capacity:	The stored non-recyclable material that cannot be cleaned will remain in storage until a future recycle or disposal routes are identified.					
Types of Storage Units						
Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
drums	not in list	0	No	No	No	No
Processing part of facility BRiverRef						
The following shows processing status for waste classes and SRS.						
Waste Class	Actual	Planned				
HLW	No	No				
ILW	No	No				
LLW	Yes	No				
Type:	Treatment					
Year opened:	0					

Site (Data) : BlindRiver

Stock of waste as at December 2011

Country: CANADA

Reporting Year: 2011

Site Name: BlindRiver

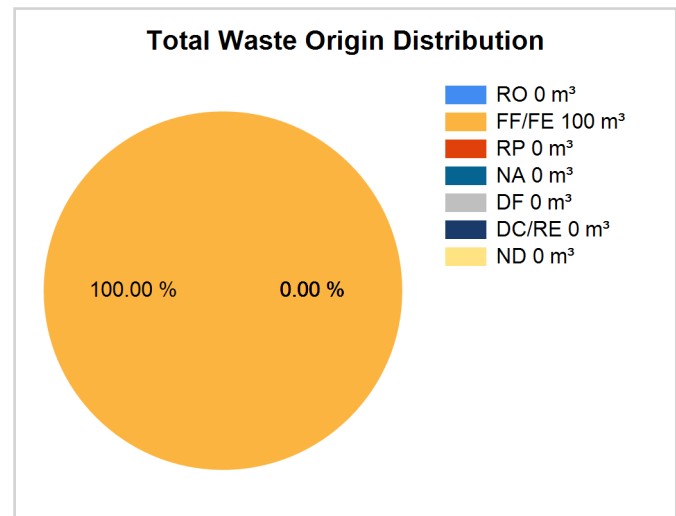
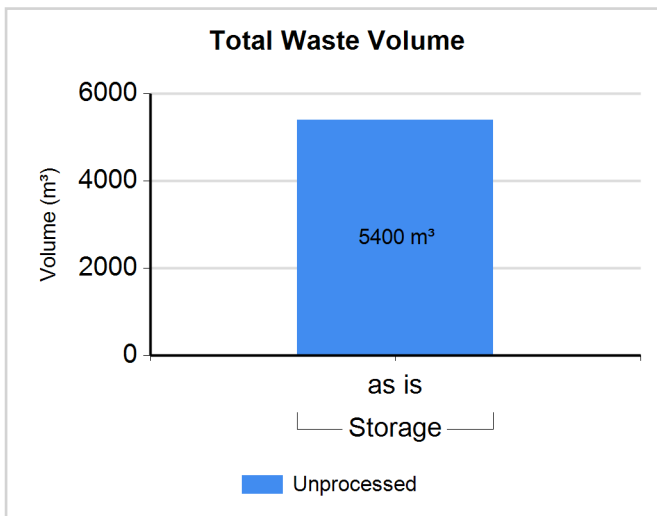
Full Name: Cameco Blind River Refinery

Inventory Reporting Date: December 2011

Waste Matrix Used: Canadian

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 / BRiverRef	N	N	5400.000	5400.000	0.00	100.00	0.00	0.00	0.00	0.00	0.00

Processing - Treatment method(s)

No data available.

Site (Structure) : Cameco

Country: CANADA

Reporting Year: 2011

Full Name: Cameco Fuel Manufacturing

Description:

Official Website:

License Holder(s): Cameco

Waste management facilities that are located at this site:

Facility:	Cameco					
Description:	LLRW stored in 205L drums					
Storage part of facility						
Cameco						
The following shows storage status for waste classes and SRS.						
Waste Class	Actual	Planned				
HLW	No	No				
ILW	No	No				
LLW	Yes	No				
List SRS?	No					
List UMMT?	No					
Capacity:						
Types of Storage Units						
Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
Drums	not in list	0	No	No	No	No

Site (Data) : Cameco

Stock of waste as at December 2011

Country: CANADA

Reporting Year: 2011

Site Name: Cameco

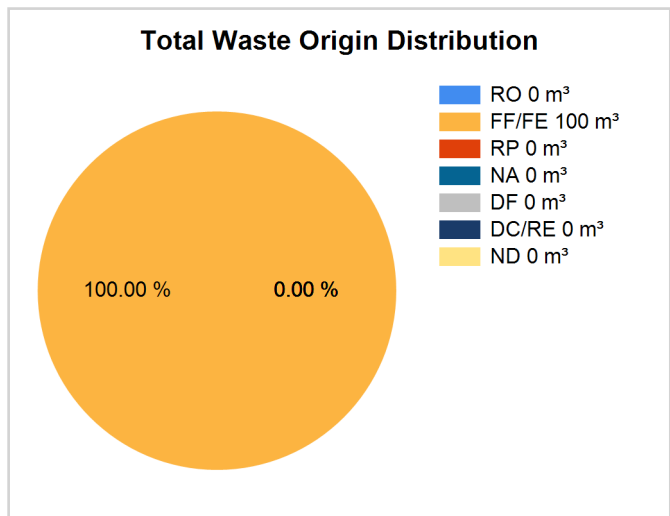
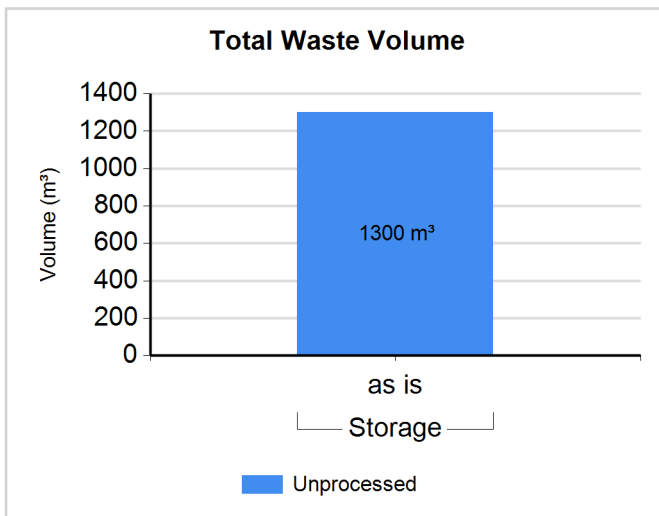
Full Name: Cameco Fuel Manufacturing

Inventory Reporting Date: December 2011

Waste Matrix Used: Canadian

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

Data available but will not be reported.

Site (Structure) : Port Hope

Country: CANADA

Reporting Year: 2011

Full Name: Cameco Port Hope Conversion Facility

Description:

Official Website:

License Holder(s): Cameco

Waste management facilities that are located at this site:

Facility:	PHopeConv					
Description:	Cameco Port Hope Conversion Facility - WM programs collect, clean, monitor and, if necessary, cut to acceptable sizes all scrap material.					
Storage part of facility PHopeConv						
The following shows storage status for waste classes and SRS.						
Waste Class	Actual	Planned				
HLW	No	No				
ILW	No	No				
LLW	Yes	No				
List SRS?	No					
List UMMT?	No					
Capacity:	The stored non-recyclable material that cannot be cleaned will remain in storage until a future recycle or disposal routes are identified.					
Types of Storage Units						
Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
Drums	not in list	0	No	No	No	No
Processing part of facility PHopeConv						
The following shows processing status for waste classes and SRS.						
Waste Class	Actual	Planned				
HLW	No	No				
ILW	No	No				
LLW	Yes	No				
Type:	Treatment					
Year opened:	0					

Site (Data) : Port Hope

Stock of waste as at December 2011

Country: CANADA

Reporting Year: 2011

Site Name: Port Hope

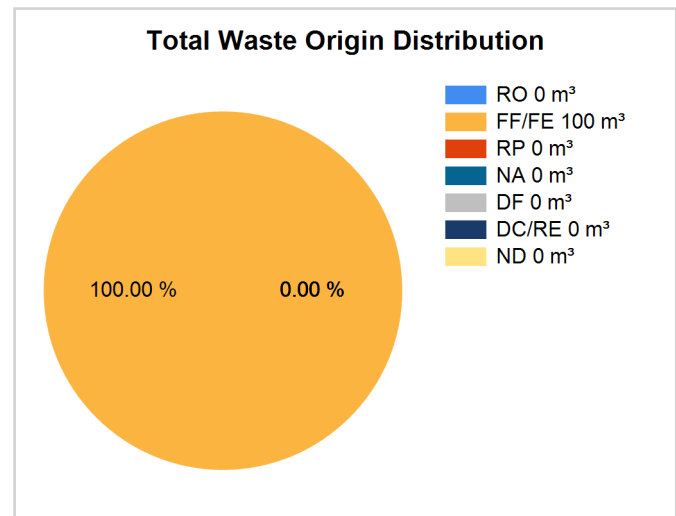
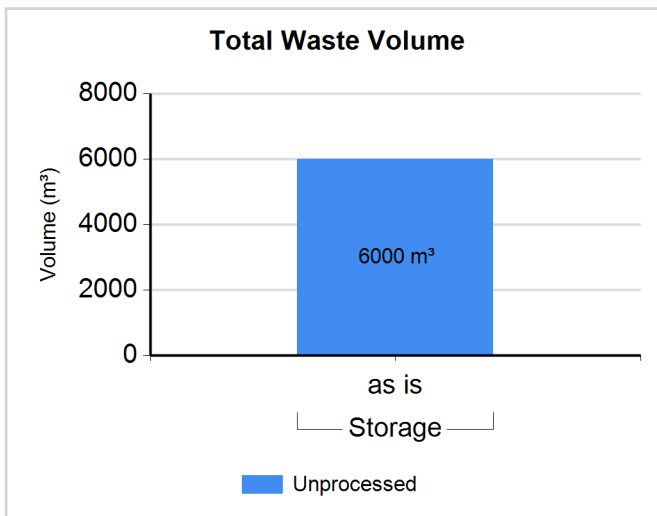
Full Name: Cameco Port Hope Conversion Facility

Inventory Reporting Date: December 2011

Waste Matrix Used: Canadian

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 / PHopeConv	N	N	6000.000	6000.000	0.00	100.00	0.00	0.00	0.00	0.00	0.00

Processing - Treatment method(s)

No data available.

Site (Structure) : Bruce A&B

Country: CANADA

Reporting Year: 2011

Full Name: Bruce Nuclear Generating Stations A and B

Description:

Official Website:

License Holder(s): Ontario Power Generation

Waste management facilities that are located at this site:

Facility:	BNPD- WWMF
Description:	Western Waste Management Facility (WWMF). The WWMF is owned and operated by OPG at the Bruce nuclear site and consists of 2 distinct areas: - a low- and intermediate-level radioactive waste storage area, and - a spent fuel dry storage area. See comment.

Storage part of facility **BNPD- WWMF**

The following shows storage status for waste classes and SRS.

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

List SRS?	No
List UMMT?	No

Capacity:	It can provide dry storage up to 750,000 fuel bundles or approximately 2,000 dry storage containers from Bruce NGS-A and Bruce NGS-B. WWMF typically receives ~600m ³ of L&ILW per month. Please see comment.
------------------	--

Types of Storage Units

Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
Used Fuel	not in list	2003	No	No	No	No
L&ILW	not in list	0	No	No	No	No

Site (Structure) : Bruce A&B

Country: CANADA

Reporting Year: 2011

Processing part of facility **BNPD- WWMF**

The following shows processing status for waste classes and SRS.

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

Type:	Treatment
Year opened:	0

Site (Structure) : Bruce A&B

Country: CANADA

Reporting Year: 2011

Facility:	BNPD-RWOS1
Description:	Radioactive Waste Operations Site 1 (RWOS 1) - RWOS 1 is owned and maintained by OPG at the Bruce nuclear site. The facility provides for the storage of low- and intermediate-level waste produced at the Douglas Point Nuclear Generating Station.

Storage part of facility BNPD-RWOS1

The following shows storage status for waste classes and SRS.

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

List SRS?	No
List UMMT?	No

Capacity:	The facility, which has been operated in storage-with-surveillance mode since the mid-1970s, is closed to new wastes.
------------------	---

Types of Storage Units

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

Site (Structure) : Bruce A&B

Country: CANADA

Reporting Year: 2011

Facility:	NGSs Bays
Description:	Bruce A & B Nuclear Generating Stations (NGSs) storage bays

Storage part of facility**NGSs Bays**

The following shows storage status for waste classes and SRS.

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

List SRS?	No
List UMMT?	No

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

Types of Storage Units

Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
Bays	pool	0	No	No	No	No

Site (Data) : Bruce A&B

Stock of waste as at December 2011

Country: CANADA

Reporting Year: 2011

Site Name: Bruce A&B

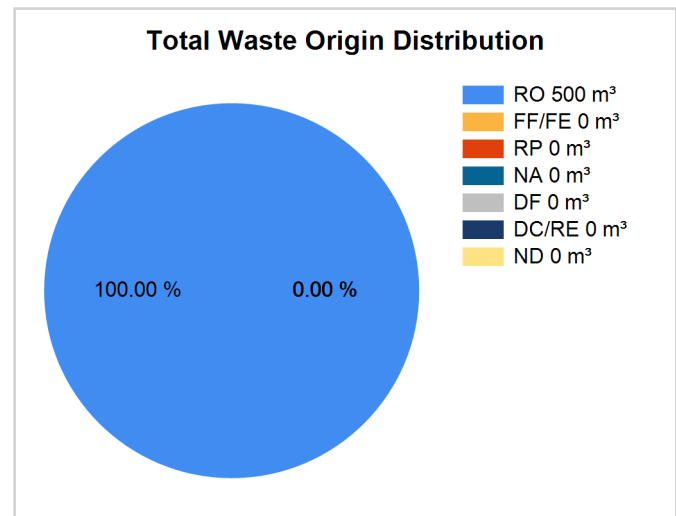
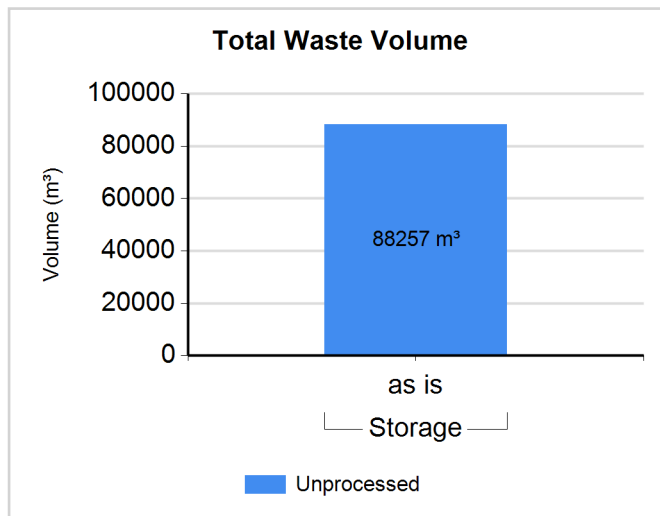
Full Name: Bruce Nuclear Generating Stations A and B

Inventory Reporting Date: December 2011

Waste Matrix Used: Canadian

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: HLW

Waste Class Name	Location / Facility	Proc	Est.	Volume "as is" (m³)	Volume "as dispo" (m³)	RO %	FF/FE %	RP %	NA %	DF %	DC/RE %	ND %
HLW	Storage	N	N	3797.000	3797.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00

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 / BNPD-WWFM	N	N	10430.000	10430.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00
ILW	Storage / BNPD-RWOS1	N	N	10.000	10.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00

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 / BNPD-WWFM	N	N	73690.000	73690.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00
LLW	Storage / BNPD-RWOS1	N	N	330.000	330.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00

Site (Data) : Bruce A&B

Stock of waste as at December 2011

Country: CANADA

Reporting Year: 2011

Processing - Treatment method(s)

Method	Status			
	Planned	R&D program	Current practice method use over the last 5 years	Past Practice
Incineration	Y	N		N
Shredding and Compaction	Y	N		N
Size Reduction	Y	N		N

Site (Structure) : Darlington

Country: CANADA

Reporting Year: 2011

Full Name: OPG - Darlington Nuclear Generating Station

Description:

Official Website:

License Holder(s): Ontario Power Generation

Waste management facilities that are located at this site:

Facility:	DWMF					
Description:	Darlington Waste Management Facility (DWMF) - Not yet in use					
Storage part of facility DWMF						
The following shows storage status for waste classes and SRS.						
Waste Class	Actual	Planned				
HLW	Yes	No				
ILW	No	No				
LLW	No	No				
List SRS?	No					
List UMMT?	No					
Capacity:	Processing and storage building can house up to 500 dry storage containers,. Once the two additional storage buildings are constructed in the future, a storage of capacity up to 575,000 fuel bundles will be available.					
Types of Storage Units						
Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
Used Fuel	not in list	0	No	No	No	No

Site (Structure) : Darlington

Country: CANADA

Reporting Year: 2011

Facility:	NGS Bays
Description:	Darlington Nuclear Generating Station (NGS) water-filled storage bays

Storage part of facility**NGS Bays**

The following shows storage status for waste classes and SRS.

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

List SRS?	No
List UMMT?	No

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

Types of Storage Units

Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
Bays	pool	0	No	No	No	No

Site (Data) : Darlington

Stock of waste as at December 2011

Country: CANADA

Reporting Year: 2011

Site Name: Darlington

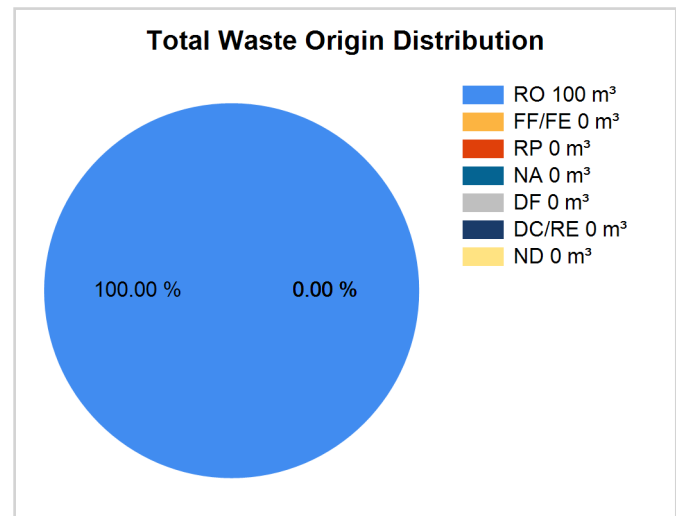
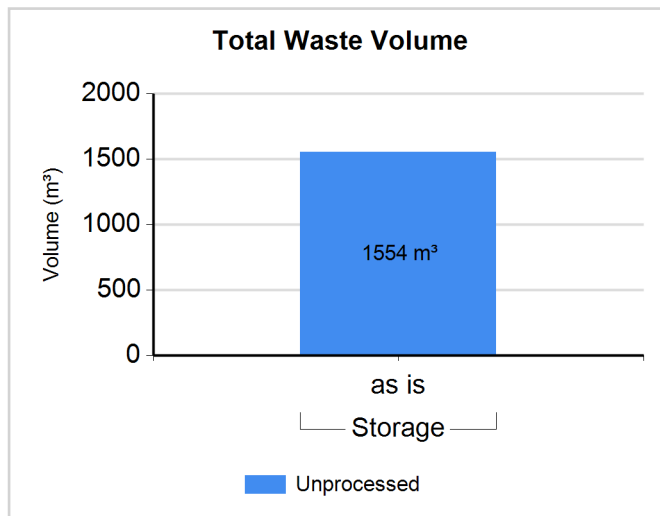
Full Name: OPG - Darlington Nuclear Generating Station

Inventory Reporting Date: December 2011

Waste Matrix Used: Canadian

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: HLW

Waste Class Name	Location / Facility	Proc	Est.	Volume "as is" (m³)	Volume "as dispo" (m³)	RO %	FF/FE %	RP %	NA %	DF %	DC/RE %	ND %
HLW	Storage	N	N	1554.000	1554.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00

Site (Structure) : Gently-2

Country: CANADA

Reporting Year: 2011

Full Name: Hydro- Quebec - Gently-2 Nuclear Generating Station

Description:

Official Website:

License Holder(s): Hydro-Quebec

Waste management facilities that are located at this site:

Facility:	HQWMF					
Description:	Hydro-Quebec Waste Management Facility (HQWMF) - Gently-2 consists of the used fuel dry storage area and the low-level radioactive waste management area (WMA). Accepts spent fuel and L&ILW produced at the Gently-2 Nuclear Generating Station					
Storage part of facility		HQWMF				
The following shows storage status for waste classes and SRS.						
Waste Class	Actual	Planned				
HLW	Yes	No				
ILW	Yes	No				
LLW	Yes	No				
List SRS?	No					
List UMMT?	No					
Capacity:	This facility has been authorized to build a total of 20 CANSTOR module, with a total storage capacity of 240,000 spent fuel bundles. By the end of 2007, seven CANSTOR modules had been built and were in service. WMA receives ~ 25m3 of L&ILW per year.					
Types of Storage Units						
Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
Used Fuel	not in list	1995	No	No	Yes	No
L&ILW	not in list	0	No	No	No	No

Site (Structure) : Gentilly-2

Country: CANADA

Reporting Year: 2011

Facility:	NGS bays
Description:	Gentilly-2 Nuclear Generating Station (NGS) irradiated fuel bays

Storage part of facility**NGS bays**

The following shows storage status for waste classes and SRS.

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

List SRS?	No
List UMMT?	No

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

Types of Storage Units

Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
Fuel Bays	pool	0	No	No	No	No

Site (Data) : Gentilly-2

Stock of waste as at December 2011

Country: CANADA

Reporting Year: 2011

Site Name: Gentilly-2

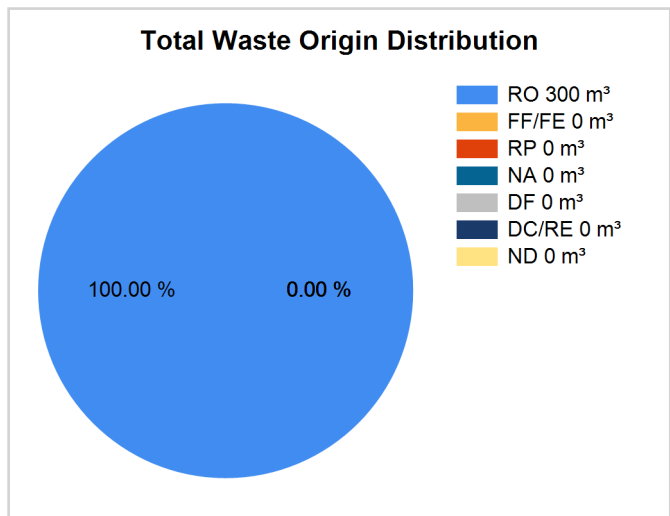
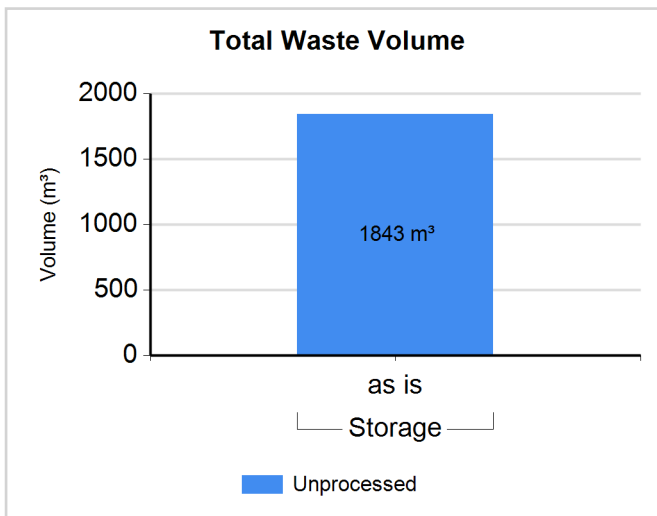
Full Name: Hydro- Quebec - Gentilly-2 Nuclear Generating Station

Inventory Reporting Date: December 2011

Waste Matrix Used: Canadian

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: HLW

Waste Class Name	Location / Facility	Proc	Est.	Volume "as is" (m³)	Volume "as dispo" (m³)	RO %	FF/FE %	RP %	NA %	DF %	DC/RE %	ND %
HLW	Storage	N	N	473.000	473.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00

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 / HQWMF	N	N	310.000	310.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00

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 / HQWMF	N	N	1060.000	1060.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00

Site (Structure) : Pickering

Country: CANADA

Reporting Year: 2011

Full Name: OPG - Pickering A and B Nuclear Generating Station

Description:

Official Website:

License Holder(s): Ontario Power Generation

Waste management facilities that are located at this site:

Facility:	NGSs Bays					
Description:	Pickering A and B Nuclear Generating Stations (NGSs) irradiated fuel bays					
Storage part of facility						
NGSs Bays						
The following shows storage status for waste classes and SRS.						
Waste Class	Actual	Planned				
HLW	Yes	No				
ILW	No	No				
LLW	No	No				
List SRS?	No					
List UMMT?	No					
Capacity:						
Types of Storage Units						
Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
Fuel Bays	pool	0	No	No	No	No

Site (Structure) : Pickering

Country: CANADA

Reporting Year: 2011

Facility:	PWMF
Description:	Pickering Waste Management Facility- Consists of the used fuel dry storage area and a storage area, called the re-tube components storage area (RCSA). It stores spent fuel generated at the Pickering A&B NGSs and ILW from re-tubing refurbishment project.

Storage part of facility PWMF

The following shows storage status for waste classes and SRS.

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

List SRS?	No
List UMMT?	No

Capacity:	The PWMF can store up to 650 dry storage containers or 249,600 fuel bundles in the two existing storage buildings. At the present, the RCSA consists of 34 loaded DSMs, two empty DSMs and empty sapce for 2 additional DSMs. Please see comment.
------------------	---

Types of Storage Units

Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
Used Fuel	not in list	1996	No	No	No	No
RCSA	not in list	0	Yes	No	No	No

Comment **# 20141: Storage Facility PWMF**

An application to expand the facility has been approved for construction & would increase storage capacity of 1,000 dry storage containers. It is expected that the PWMF will be in operation until at least 10 years after the shutdown of the last Pickering reactor unit.

The RCSA prevents the pooling of rainwater and provides a low-maintenance surface. A drainage system directs the runoff water from the storage area to the Pickering NGS-B outfall. Catch basins permit the periodic sampling of the water.

Site (Data) : Pickering

Stock of waste as at December 2011

Country: CANADA

Reporting Year: 2011

Site Name: Pickering

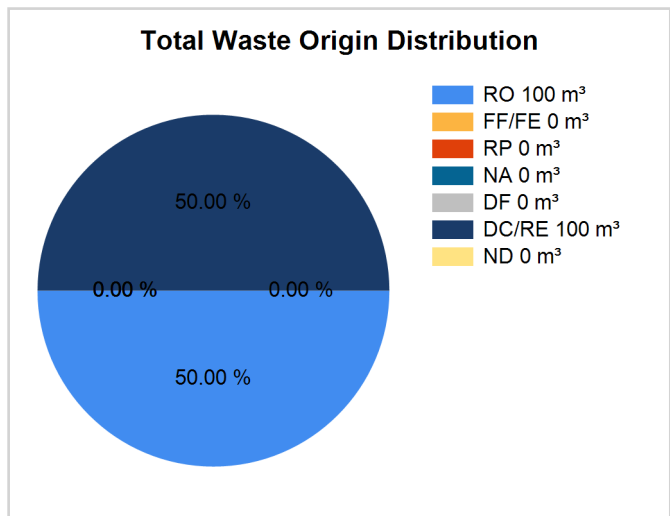
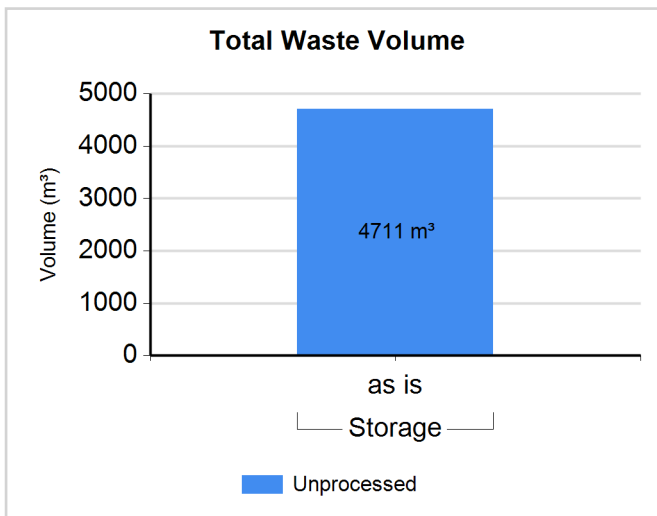
Full Name: OPG - Pickering A and B Nuclear Generating Station

Inventory Reporting Date: December 2011

Waste Matrix Used: Canadian

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: HLW

Waste Class Name	Location / Facility	Proc	Est.	Volume "as is" (m³)	Volume "as dispo" (m³)	RO %	FF/FE %	RP %	NA %	DF %	DC/RE %	ND %
HLW	Storage	N	N	2501.000	2501.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00

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 / PWWF	N	N	2210.000	2210.000	0.00	0.00	0.00	0.00	0.00	100.00	0.00

Site (Structure) : Pt.Lepreau

Country: CANADA

Reporting Year: 2011

Full Name: New Brunswick Power - Point Lepreau Nuclear Generating Station

Description:

Official Website:

License Holder(s): New Brunswick Power Nuclear Corporations

Waste management facilities that are located at this site:

Facility:	NGS bays					
Description:	Point Lepreau Nuclear Generating Station (NGS) irradiated fuel bays					
Storage part of facility NGS bays						
The following shows storage status for waste classes and SRS.						
Waste Class	Actual	Planned				
HLW	Yes	No				
ILW	No	No				
LLW	No	No				
List SRS?	No					
List UMMT?	No					
Capacity:						
Types of Storage Units						
Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
Fuel Bays	pool	0	No	No	No	No

Site (Structure) : Pt.Lepreau

Country: CANADA

Reporting Year: 2011

Facility:	PLWMF					
Description:	Point Lepreau Waste Management Facility (PLWMF) includes a Phase 1 Area for the storage of L&ILW produced at the Pt.Lepreau NGS, a Phase II Area for the storage of spent fuel. Phase III was completed in 2007 to accomodate the reactor refurbishment waste.					
Storage part of facility		PLWMF				
The following shows storage status for waste classes and SRS.						
Waste Class	Actual	Planned				
HLW	Yes	No				
ILW	Yes	No				
LLW	Yes	No				
List SRS?	No					
List UMMT?	No					
Capacity:	The facility is authorized to construct 300 canisters for a total of 180,000 spent fuel bundles. By the end of 2007, the facility had constructed 180 canisters. Please see additional information in attached comment.					
Types of Storage Units						
Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
Used Fuel	not in list	1990	No	No	No	No

Site (Data) : Pt.Lepreau

Stock of waste as at December 2011

Country: CANADA

Reporting Year: 2011

Site Name: Pt.Lepreau

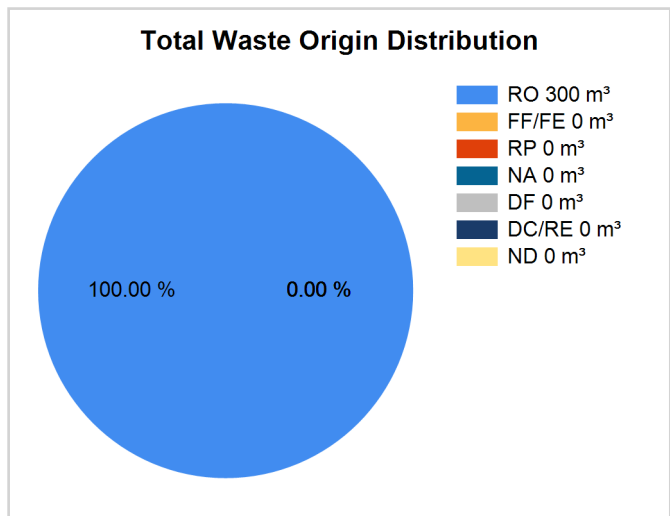
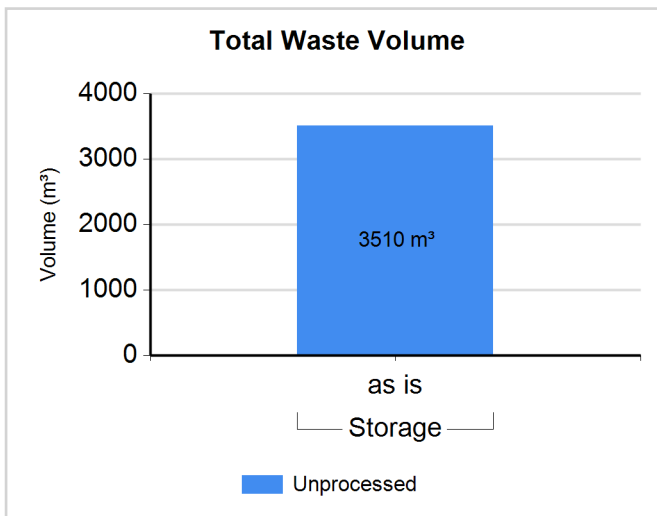
Full Name: New Brunswick Power - Point Lepreau Nuclear Generating Station

Inventory Reporting Date: December 2011

Waste Matrix Used: Canadian

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: HLW

Waste Class Name	Location / Facility	Proc	Est.	Volume "as is" (m³)	Volume "as dispo" (m³)	RO %	FF/FE %	RP %	NA %	DF %	DC/RE %	ND %
HLW	Storage	N	N	498.000	498.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00

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 / PLWMF	N	N	143.000	143.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00

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 / PLWMF	N	N	2869.000	2869.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00

Site (Structure) : AECL-CRL

Country: CANADA

Reporting Year: 2011

Full Name: Atomic Energy of Canada Limited (AECL) - Chalk River Laboratories (CRL)

Description:

Official Website:

License Holder(s): Atomic Energy of Canada Limited

Waste management facilities that are located at this site:

Facility:	LiquidWst					
Description:	Legacy Stored Liquid Waste on CRL site from past activities. Located in Controlled Area 2 and the Waste Tank Farm.					
Storage part of facility		LiquidWst				
The following shows storage status for waste classes and SRS.						
Waste Class	Actual	Planned				
HLW	No	No				
ILW	Yes	No				
LLW	Yes	No				
List SRS?	No					
List UMMT?	No					
Capacity:						
Types of Storage Units						
Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
Tanks	tank (stainless steel)	0	No	No	No	No

Site (Structure) : AECL-CRL

Country: CANADA

Reporting Year: 2011

Facility:	NPD-WMA G
Description:	CRL Waste Management Area G (WMA G) - Nuclear Power Demonstration Fuel (NPD) - The WMA G at AECL CRL is a used fuel dry storage area and contains concrete canisters for used fuels. Please see attached comment for additional info.

Storage part of facility NPD-WMA G

The following shows storage status for waste classes and SRS.

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

List SRS?	No
List UMMT?	No

Capacity:	AECL has stored 68 full and partial spent fuel bundles from Bruce, Pickering and DP, as well as 4,853 fuel bundles from the NPD reactor, in 12 dry storage concrete canisters. They are currently in storage-with-surveillance mode. See comment.
------------------	---

Types of Storage Units

Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
Canisters	silo	0	Yes	No	No	No

Site (Structure) : AECL-CRL

Country: CANADA

Reporting Year: 2011

Facility:	NPD-WMF					
Description:	Nuclear Power Deomnstration Waste Management Facility - located in Rolphton, Ontario. Decommissioned reactor waste is stored in the Reactor Buildings. Please see comment.					
Storage part of facility		NPD-WMF				
The following shows storage status for waste classes and SRS.						
Waste Class	Actual	Planned				
HLW	No	No				
ILW	Yes	No				
LLW	Yes	No				
List SRS?	No					
List UMMT?	No					
Capacity:	Decommissioned reactor waste is stored in the Reactor Buildings.					
Types of Storage Units						
Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
Decomm	not in list	0	No	No	No	No

Site (Structure) : AECL-CRL

Country: CANADA

Reporting Year: 2011

Facility:	NRU Bays
Description:	National Research Universal (NRU) Storage Bays - Wet Storage of Spent Fuel

Storage part of facility**NRU Bays**

The following shows storage status for waste classes and SRS.

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

List SRS?	No
List UMMT?	No

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

Types of Storage Units

Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
NRU Bays	pool	0	No	No	No	No

Site (Structure) : AECL-CRL

Country: CANADA

Reporting Year: 2011

Facility:	WMAs
Description:	Contaminated Soils
	Luggers, 205L steel drums, B-25 containers in SMAGS, sand trenches, above ground stockpiles
Waste Packages:	Luggers, 205L steel drums, B-25 containers in SMAGS, sand trenches, above ground stockpiles

Storage part of facility**WMAs**

The following shows storage status for waste classes and SRS.

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

List SRS?	No
List UMMT?	No

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

Types of Storage Units

Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
Soils	various	0	No	No	No	No

Site (Structure) : AECL-CRL

Country: CANADA

Reporting Year: 2011

Facility:	WMAs
Description:	Other Waste Management Areas, including WMA A, B, C, D, E, & H - The WMAs provides various storage units for research reactor fuel and L&ILW.

Storage part of facility WMAs

The following shows storage status for waste classes and SRS.

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

List SRS?	No
List UMMT?	No

Capacity:	The WMAs have a variety of facilities (bunkers, trenches, tile holes, SMAGS, etc.) opened at various times. Some are closed and/or full.
------------------	--

Types of Storage Units

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

Site (Data) : AECL-CRL

Stock of waste as at December 2011

Country: CANADA

Reporting Year: 2011

Site Name: AECL-CRL

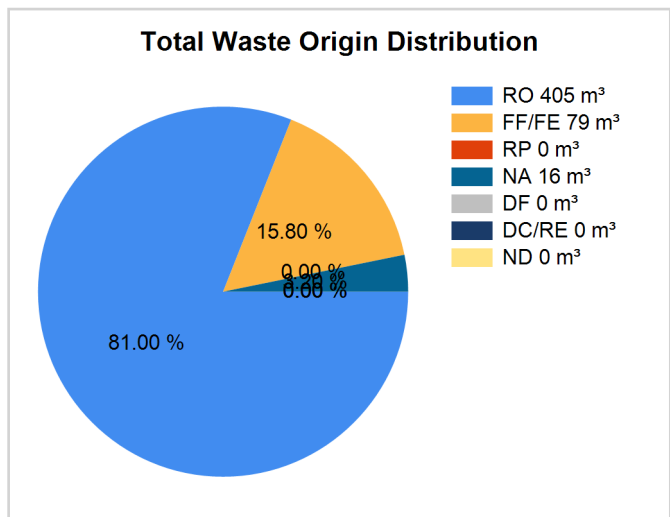
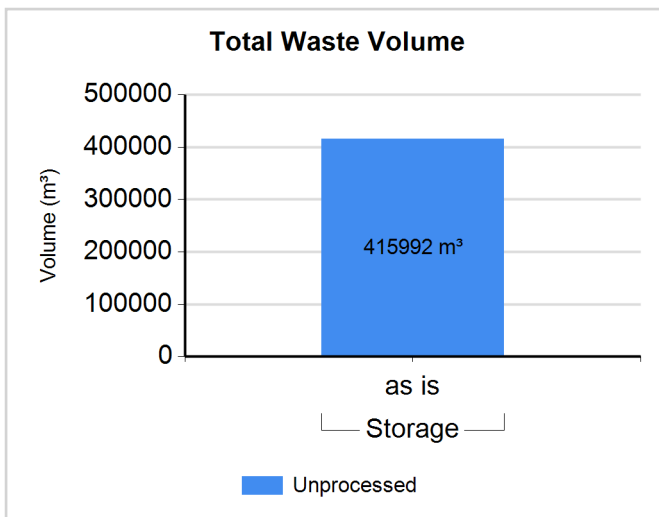
Full Name: Atomic Energy of Canada Limited (AECL) - Chalk River Laboratories (CRL)

Inventory Reporting Date: December 2011

Waste Matrix Used: Canadian

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: HLW

Waste Class Name	Location / Facility	Proc	Est.	Volume "as is" (m³)	Volume "as dispo" (m³)	RO %	FF/FE %	RP %	NA %	DF %	DC/RE %	ND %
HLW	Storage / NPD-WMA G	N	N	19.000	19.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00
HLW	Storage / WMAs	N	N	125.000	125.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00

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 / WMAs	N	N	18782.000	18782.000	65.00	34.00	0.00	1.00	0.00	0.00	0.00

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 / LiquidWst	N	Y	279000.000	279000.000	90.00	5.00	0.00	5.00	0.00	0.00	0.00
LLW	Storage / WMAs	N	Y	118066.000	118066.000	50.00	40.00	0.00	10.00	0.00	0.00	0.00

Site (Structure) : AECL-DP

Country: CANADA

Reporting Year: 2011

Full Name: AECL - Douglas Point (DP)

Description:

Official Website:

License Holder(s): Atomic Energy of Canada Limited

Waste management facilities that are located at this site:

Facility:	DPWMF					
Description:	Douglas Point Waste Management Facility (DPWMF) is located at the Bruce NGS. Concrete canisters at this site contains the spent fuel from prototype reactor at DP after 17 years of operation. Decommissioned reactor waste is stored in the Reactor Buildings.					
Storage part of facility		DPWMF				
The following shows storage status for waste classes and SRS.						
Waste Class	Actual	Planned				
HLW	Yes	No				
ILW	Yes	No				
LLW	Yes	No				
List SRS?	No					
List UMMT?	No					
Capacity:	Decommissioning began in 1986, approximately 22,000 spent fuel bundles were transported to concrete canisters in late 1987. The concrete canisters are currently in storage-with-surveillance mode. Decom reactor waste is stored at reactor building.					
Types of Storage Units						
Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
Spent Fuel	not in list	1987	Yes	No	No	No
Decomm.	not in list	0	No	No	No	No

Site (Data) : AECL-DP

Stock of waste as at December 2011

Country: CANADA

Reporting Year: 2011

Site Name: AECL-DP

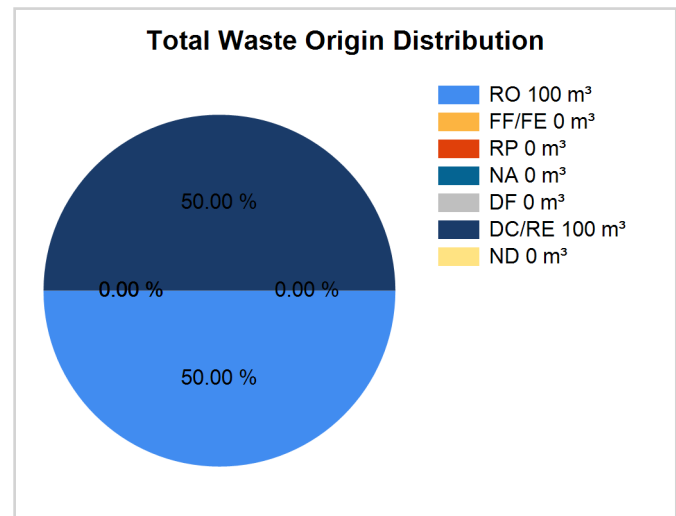
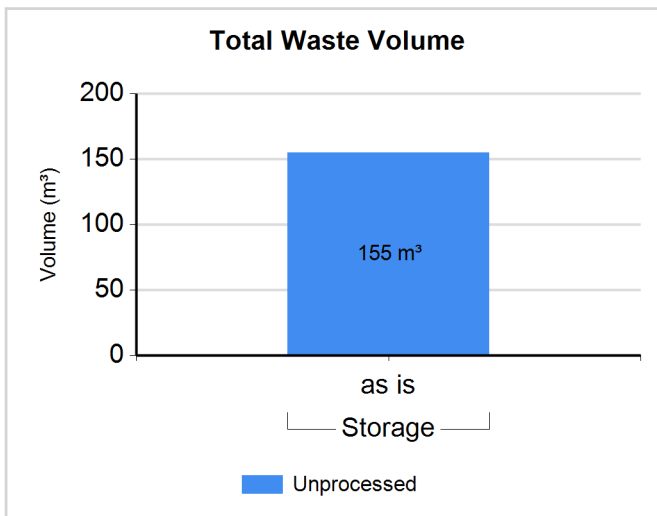
Full Name: AECL - Douglas Point (DP)

Inventory Reporting Date: December 2011

Waste Matrix Used: Canadian

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: HLW

Waste Class Name	Location / Facility	Proc	Est.	Volume "as is" (m³)	Volume "as dispo" (m³)	RO %	FF/FE %	RP %	NA %	DF %	DC/RE %	ND %
HLW	Storage / DPWMF	N	N	89.000	89.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00

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 / DPWMF	N	N	66.000	66.000	0.00	0.00	0.00	0.00	0.00	100.00	0.00

Site (Structure) : AECL-G1

Country: CANADA

Reporting Year: 2011

Full Name: AECL Gentilly-1 Nuclear Power Station
Please see comment.

Description:

Official Website:

License Holder(s): Atomic Energy of Canada Limited

Waste management facilities that are located at this site:

Facility:	G1WMF					
Description:	Gentilly-1 Waste Management Facility (G1WMF) - The Gentilly-1 Used Fuel Dry Storage Facility houses the spent fuel bundles from Gentilly-1 Prototype Reactor. Decommissioned reactor waste is stored in the Reactor Buildings.					
Storage part of facility		G1WMF				
The following shows storage status for waste classes and SRS.						
Waste Class	Actual	Planned				
HLW	Yes	No				
ILW	Yes	No				
LLW	Yes	No				
List SRS?	No					
List UMMT?	No					
Capacity:	In 1984, AECL began a two-year decommissioning program, a total of 3,213 spent fuel bundles were transferred to concrete canisters. The concrete canisters are currently in SWS mode. Decommissioned reactor waste is stored in the Reactor Buildings.					
Types of Storage Units						
Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
Spent Fuel	not in list	1984	Yes	No	No	No
Decomm	not in list	0	No	No	No	No

Site (Data) : AECL-G1

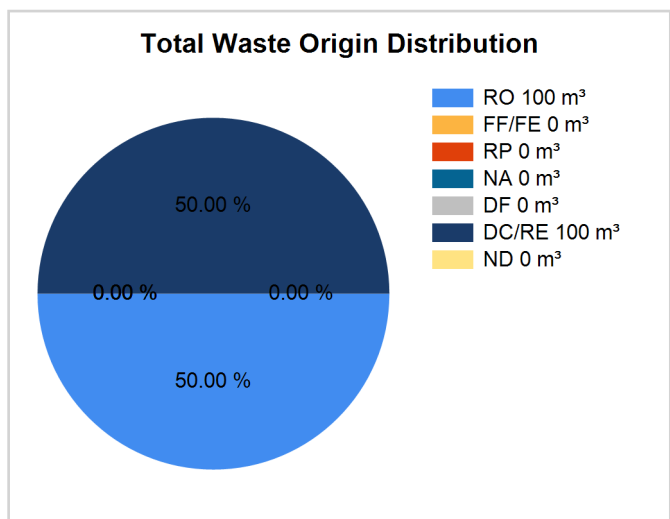
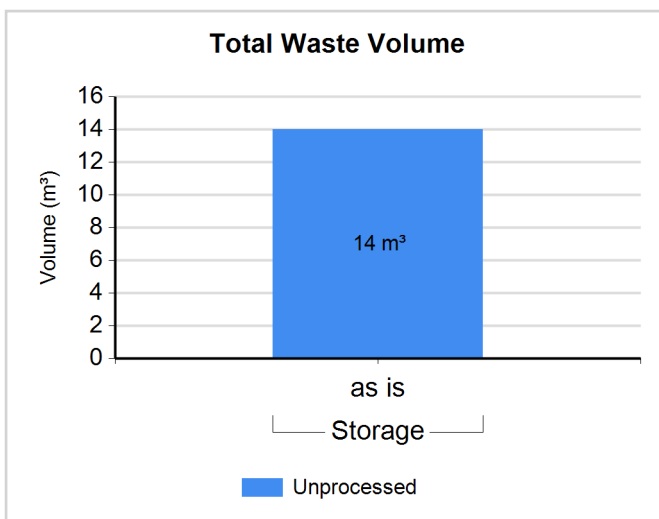
Stock of waste as at December 2011

Country: CANADA

Reporting Year: 2011

Site Name: AECL-G1**Full Name:** AECL Gentilly-1 Nuclear Power Station
Please see comment.**Inventory Reporting Date:** December 2011**Waste Matrix Used:** Canadian**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: HLW

Waste Class Name	Location / Facility	Proc	Est.	Volume "as is" (m³)	Volume "as dispo" (m³)	RO %	FF/FE %	RP %	NA %	DF %	DC/RE %	ND %
HLW	Storage / G1WMF	N	N	13.000	13.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00

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 / G1WMF	N	N	1.000	1.000	0.00	0.00	0.00	0.00	0.00	100.00	0.00

Site (Structure) : AECL-WL

Country: CANADA

Reporting Year: 2011

Full Name: AECL Whiteshell Laboratories

Description:

Official Website:

License Holder(s): Atomic Energy of Canada Limited

Waste management facilities that are located at this site:

Facility:	WL-WMA					
Description:	Waste Management Area - The Waste Management Area has various storage units for spent fuel and L&ILW. The Concrete Canister Storage Facility (or WL spent fuel storage facility) stores the spent fuel from the past research Reactor-1 Organic Cooled Reactor.					
Storage part of facility		WL-WMA				
The following shows storage status for waste classes and SRS.						
Waste Class	Actual	Planned				
HLW	Yes	No				
ILW	Yes	No				
LLW	Yes	No				
List SRS?	No					
List UMMT?	No					
Capacity:	The facility provides storage for 2,268 irradiated fuel bundles from both the WR-1 operation and CANDU reactor origin. Some spent fuel waste from operations prior to the 1975 canister development program is buried in standpipes in the WMA.					
Types of Storage Units						
Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
Spent Fuel	not in list	0	No	No	No	No
L&ILW	not in list	1963	No	No	No	No

Site (Data) : AECL-WL

Stock of waste as at December 2011

Country: CANADA

Reporting Year: 2011

Site Name: AECL-WL

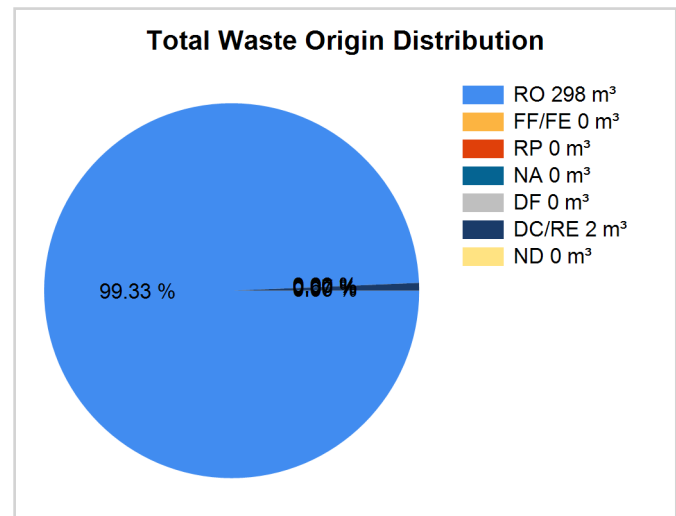
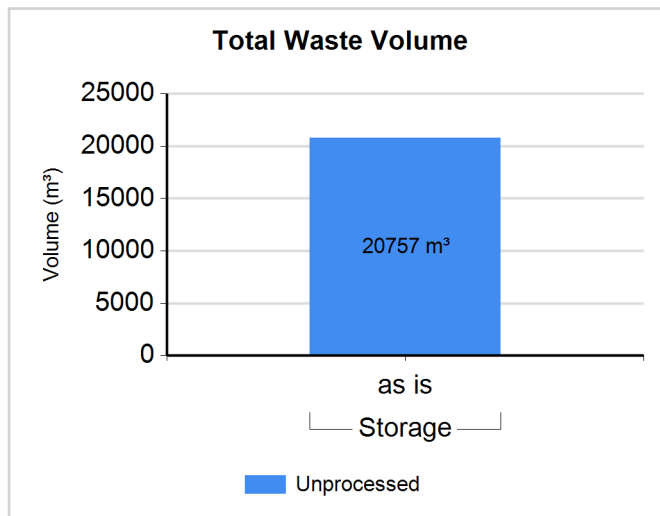
Full Name: AECL Whiteshell Laboratories

Inventory Reporting Date: December 2011

Waste Matrix Used: Canadian

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: HLW

Waste Class Name	Location / Facility	Proc	Est.	Volume "as is" (m³)	Volume "as dispo" (m³)	RO %	FF/FE %	RP %	NA %	DF %	DC/RE %	ND %
HLW	Storage / WL-WMA	N	N	9.000	9.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00

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 / WL-WMA	N	N	863.000	863.000	99.00	0.00	0.00	0.00	0.00	1.00	0.00

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 / WL-WMA	N	N	19885.000	19885.000	99.00	0.00	0.00	0.00	0.00	1.00	0.00

Site (Structure) : MNR

Country: CANADA

Reporting Year: 2011

Full Name: McMaster Nuclear Reactor (MNR)

Note: All MNR used fuel (HEU and LEU), irrespective of its origin, is sent to Savannah River in the United States. All fuel generated at the MNR is stored in a water environment.

Description:

Official Website:

License Holder(s): McMaster University

Waste management facilities that are located at this site:

Facility:	Pool					
Description:	Note: All MNR used fuel (HEU and LEU), irrespective of its origin, is sent to Savannah River in the United States. All fuel generated at the MNR is stored in a water environment.					
Storage part of facility						
Pool						
The following shows storage status for waste classes and SRS.						
Waste Class		Actual	Planned			
HLW		Yes	No			
ILW		No	No			
LLW		No	No			
List SRS?	No					
List UMMT?	No					
Capacity:						
Types of Storage Units						
Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
Pool	pool	0	No	No	No	No

Site (Data) : MNR

Stock of waste as at December 2011

Country: CANADA

Reporting Year: 2011

Site Name: MNR

Full Name: McMaster Nuclear Reactor (MNR)

Note: All MNR used fuel (HEU and LEU), irrespective of its origin, is sent to Savannah River in the United States. All fuel generated at the MNR is stored in a water environment.

Inventory Reporting Date: December 2011

Waste Matrix Used: Canadian

Country: CANADA

Reporting Year: 2011

Name:	CNSC
Full Name:	Canadian Nuclear Safety Commission
Divison:	
City or Town:	Ottawa
Main Website:	

Regulations / Laws

Country: CANADA

Reporting Year: 2011

Name:	NSCA		
Title or Name:	Nuclear Safety and Control Act		
Reference Number:	Statutes of Canada, 1997		
Date Promulgated or Proclaimed:	5/31/2000	Law	

Comment **# 7478: NSCA**

Nuclear Safety and Control Act: Canadian federal legislation on the regulation, development and use of nuclear energy and the production, possession and use of nuclear substances, prescribed equipment and prescribed information.

Name:	GNSCR		
Title or Name:	General Nuclear Safety and Control Regulations		
Reference Number:	SOR/2000-202		
Date Promulgated or Proclaimed:	5/31/2000	Regulation	

Comment **# 7479: GNSCR**

General Nuclear Safety and Control Regulations: Canadian federal regulations respecting licensing of nuclear activities,

Name:	RPR		
Title or Name:	Radiation Protection Regulations		
Reference Number:	SOR/2000/203		
Date Promulgated or Proclaimed:	5/31/2000	Regulation	

Comment **# 7480: RPRregs**

Radiation Protection Regulations: Canadian federal regulations on radiation protection relating to all nuclear facilities.

Name:	NSR		
Title or Name:	Nuclear Security Regulations		
Reference Number:	SOR/2000-209		
Date Promulgated or Proclaimed:	5/31/2000	Regulation	

Comment **# 7483: NSRregs**

Nuclear Security Regulations: Canadian federal regulations dealing with security aspects of all nuclear material and facilities.

Regulations / Laws

Country: CANADA

Reporting Year: 2011

Name:	PTNSRegs		
Title or Name:	Packaging and Transport of Nuclear Substances Regulations		
Reference Number:	SOR/2000-208		
Date Promulgated or Proclaimed:	5/31/2000	Regulation	

Comment **# 7484: PTNSRegs**

Packaging and Transport of Nuclear Substances Regulations: Canadian federal regulations dealing with the packing and transport of nuclear substances, including nuclear wastes.

Name:	NNPIECRegs		
Title or Name:	Nuclear Non-Proliferation Import and Export Control Regulations		
Reference Number:	SOR/2000/210		
Date Promulgated or Proclaimed:	5/31/2000	Regulation	

Name:	NFWA		
Title or Name:	Nuclear Fuel Waste Act		
Reference Number:	Statutes of Canada 2002		
Date Promulgated or Proclaimed:	11/15/2002	Law	

Comment **# 9930: NFWA**

The NFWA requires nuclear energy corporations to establish a waste management organization to
a) propose to the government of Canada approaches for the management of nuclear fuel waste, and
b) implement the approach

Name:	NSRDRegs		
Title or Name:	Nuclear Substances and Radiation Devices Regulations		
Reference Number:	SOR/2000/207		
Date Promulgated or Proclaimed:	5/31/2000	Regulation	

Name:	UMMRegs		
Title or Name:	Uranium Mines and Mills Regulations		
Reference Number:	SOR/2000/206		
Date Promulgated or Proclaimed:	5/31/2000	Regulation	

Milestones

Country: CANADA

Reporting Year: 2011

Start Year or Reference Year:	2006	End Year:	2011
Description of Milestone:			
<p>Initiation of the Nuclear Legacy Liabilities Program (NLLP), a 5-year start-up phase of a long-term, 70-year strategy to deal with the nuclear legacy liabilities. The Government of Canada had committed \$520 million to fund this program. The 5-year start-up phase is directed at addressing immediate health, safety, and environmental priorities, accelerating the decontamination and demolition of shutdown buildings, laying the groundwork for subsequent phases of the strategy, and continuing necessary care and maintenance activities. Also, the long-term strategy will be further developed and refined, and public consultations are planned to inform this work and decisions on the next phase of the strategy</p>			
Start Year or Reference Year:	2002	End Year:	
Description of Milestone:			
Entry into force of the Nuclear Fuel Waste Act - Report submitted to the federal government in November 2005.			
Start Year or Reference Year:	2000	End Year:	
Description of Milestone:			
Entry into force of the Canadian Nuclear Safety Control Act and related regulations			

Policies

Country: CANADA

Reporting Year: 2011

National Systems

Policy	(Yes;Partially;No)
Q14 Has your Country implemented a national policy for radioactive waste management?	Yes
Comment # 7486: P-290	
Managing Radioactive Waste. Policy of the Canadian Nuclear Safety Commission put in place July 2004	
Comment # 7487: P-223	
Protection of the Environment: Policy of the Canadian Nuclear Safety Commission relating to environmental protection from nuclear activities. Put in place February 2001	
Comment # 7488: R-71	
Deep Geological Disposal of Nuclear Fuel Waste: Regulatory Policy document of the Canadian Nuclear Safety Commission, January 1985	
Comment # 7489: R-85	
Radiation Protection Requisites for Exemption of Certain Radioactive Materials from further Licensing Upon Transerral for Disposal. Regulatory Policy document of the Canadian Nuclear Safety Commission, August 1989	
Comment # 7490: R-72	
Geological Considerations for Siting a Repository for Underground Disposal of High-Level Radioactive Waste. Regulatory Policy document of the Canadian Nuclear Safety Commission, September 1987.	
Comment # 9821: Policy Framework for Radioactive Waste	
Radioactive waste policy framework that will guide Canada's approach for radioactive waste disposal-1996 Natural Resources Canada	
Comment # 9822: G-320	
Draft guide of the Canadian Nuclear Safety Commission entitled "Assessing The Long Term Safety of Radioactive Waste Management" April 2005	

Strategies	(Yes;Partially;No)
Q15 Has your country developed strategies to implement a national policy?	Yes

Policies

Country: CANADA

Reporting Year: 2011

Requirements		(Yes;Partially;No)
Q17	identified the parties involved in the different steps of radioactive waste management	Yes
Q18	specified a rational set of safety, radiological and environmental protection objectives	Yes
Q19	implemented a mechanism to identify existing and anticipated radioactive wastes	Yes
Q20	implemented controls over radioactive waste generation	Yes
Q21	identified available methods and facilities to process, store and dispose of radioactive waste on an appropriate time-scale	Partially
Q22	taken into account interdependencies among all steps in radioactive waste generation and management	Yes
Q23	implemented appropriate research and development to support the operational and regulatory needs	Yes
Q24	implemented a funding structure and the allocation of resources that are essential for radioactive waste management	Yes
Q25	implemented formal mechanisms for disseminating information to the public and for public consultation	Yes

Comment # 7501: relevant legislation

These requirements are covered in federal legislation, the Nuclear Safety and Control Act, and regulations.

Responsibilities		(Complete;Incomplete)
Q28	establish and implement a legal framework for the management of radioactive waste	Complete
Q29	establish or designate a regulatory body that has the responsibility for carrying out the regulatory function with regard to safety and the protection of human health and the environment.	Complete
Q30	define the responsibilities of waste generators and operators of waste management facilities	Complete
Q31	provide for adequate resources	Complete
Q33	enforce compliance with regulatory requirements	Complete
Q34	implement the licensing process	Complete
Q35	advise the government	Complete
Q37	identify an acceptable destination for the radioactive waste	Complete
Q114	comply with legal requirements	Complete

Policies

Country: CANADA

Reporting Year: 2011

Activities		(Yes;Partially;No)
Q43	perform safety and environmental impact assessments for radioactive waste management facilities	Yes
Q44	ensure adequate radiation protection for workers, the general public and the environment	Yes
Q45	ensure suitable staff, equipment, facilities, training and operating procedures are available to perform the safe radioactive waste management steps	Yes
Q46	establish and implement a quality assurance programme for the radioactive waste generated or its processing, storage and disposal	Yes
Q47	establish and keep records of appropriate information regarding the generation, processing, storage and disposal of radioactive waste, including an inventory of radioactive waste	Yes
Q48	provide surveillance and control of activities involving radioactive waste as required by the regulatory body	Yes
Q49	collect, analyze and, as appropriate, share operational experience to ensure continued safety improvements in radioactive waste management	Yes
Q50	conduct or otherwise ensure appropriate research and development to support operational needs in radioactive waste management	Yes

Clearance		(Yes;No)
Q128	Does your country have "clearly defined clearance levels based on radiological criteria, with policy statements that material below those levels can be recycled or disposed of with non-radioactive wastes"?	No
Q129	Has your country ever used a "case-by-case" approach to clearing radioactive wastes (excluding spent/disused sealed radioactive sources)?	Yes
Q130	Has your country ever used clearance levels to dispose of, reuse or recycle radioactive waste as non-radioactive waste or as a non-radioactive resource (excluding spent/disused sealed radioactive sources)?	No

Policies

Country: CANADA

Reporting Year: 2011

Disposal Facilities

Licensing		(Yes - All;Yes - Some;No)
Q53	Environmental Assessment (EA)	Yes - All
Q54	Environmental Impact Statement (EIS)	Yes - All
Q55	Performance Assessment (PA)	Yes - All
Q56	Quality Assurance (QA)	Yes - All
Q57	Safety Assessment (SA)	Yes - All
Q59	If Quality Assurance is part of your Country's current, waste disposal facility licensing policy, does the QA Program conform to international standards (such as the ISO9000 series)?	Yes - All
Operation		(Yes - All;Yes - Some;No)
Q60	Does your Country have formal, documented waste acceptance criteria for its operating or proposed disposal facilities?	Yes - All
Post-Closure		(Yes;No)
Q61	Does your Country have any written policies to address the maintenance of records that describe the design, location and inventory of waste disposal facilities?	Yes
Q62	If the answer to the previous question was YES, does your Country have any policies, laws or regulations that prescribe what records are to be maintained?	Yes
Q63	Does your Country have any written policies to address active institutional controls or passive institutional controls, such as monitoring or access restrictions?	Yes
Q65	access restrictions	Yes
Q66	drainage and/or leachate collection system(s)	Yes
Q67	leachate treatment systems	Yes
Q68	environmental monitoring	Yes
Q69	facility monitoring	Yes
Q70	surveillance	Yes
Q71	plans for intervention measures during active institutional control if there is an unplanned release of radioactive materials from the disposal facility	Yes

Comment **# 7502: specification in licenses**

These requirements are generally noted in the General Nuclear Safety Regulations and are specifically addressed in each individual licence for a waste management facility.

Policies

Country: CANADA

Reporting Year: 2011

Processing/Storage

Policies/Procedures		(Yes;No)
Q73	waste sorting/segregation	No
Q74	waste minimization	No
Q75	waste storage	Yes
Q76	processing and/or storing and/or disposing of nuclear fuel cycle waste separately from non-nuclear fuel cycle waste (also known as nuclear applications waste)	No
Q78	Does your country have any legislation, regulation, or policy that waste processing must take place prior to storage (see following note)	No
Implementation		(Yes;No)
Q80	In your Country are there any waste processing facilities at the same location where the waste is generated?	Yes
Q81	In your Country are there any centralized waste processing facilities?	Yes
Q82	In your Country are there any mobile waste processing facilities?	No
Foreign		(Yes;No)
Q121	Has your country sent any wastes or spent fuel to another country for processing (reprocessing for fuel)?	No
Q124	Has your country accepted any wastes or spent fuel from another country for processing (reprocessing for fuel)?	No

Policies

Country: CANADA

Reporting Year: 2011

Spent/Disused SRS

Registration		(Yes;No)
Q84	Is there a national level registry?	Yes
Q85	If answer was yes, is the registry used only for disused/spent SRS?	No
Q87	Are there regional-level registries (one or more)?	No
Q90	Are there local-level registries (one or more)?	No
Procedures		(Yes;No)
Q91	Does your Country have documented procedures in place to ensure that sealed radioactive sources (SRS) are transferred to secure facilities in a timely manner after their user declares them to be spent?	Yes
Agreements		(Yes;No)
Q93	Government to Government agreements	No
Q94	Government - Supplier agreements	No
Q95	Supplier-User agreements	Yes
Q97	Do any agreements include suppliers that are outside of your Country?	Yes
Release / Disposal		(Yes;No)
Q99	Does your Country have any regulations to free-release spent sealed radioactive sources (SRS)?	Yes
Q100	Has your Country disposed of spent SRS in existing disposal facilities for LILW or HLW waste?	Yes
Q101	Does your Country plan to dispose of spent SRS in existing or planned disposal facilities for LILW or HLW waste?	Yes
Q102	Has your Country implemented dedicated disposal facilities for spent SRS?	No
Q103	Does your Country have plans to implement dedicated disposal facilities for spent SRS?	No

Comment **# 7504: federal regulations**

Federal regulations cover release and disposal of all radioactive materials: General Nuclear Safety and Control Regulations and the Radiation Protection Regulations.

Policies

Country: CANADA

Reporting Year: 2011

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

Comment # 7492: Import-Export

Nuclear Non-Proliferation Import and Export Control Regulations made pursuant to the Canadian Nuclear Safety and Control Act. Administered by the Canadian Nuclear Safety Commission.

Spent Fuel

(Yes;No)

Q105 Does your Country have laws or Regulations restricting either the import or export of spent fuel? Yes

Comment # 7503: relevant regulations

Federal regulations made pursuant to legislation: Nuclear Non-Proliferation Import and Export Control Regulations

Liquid HLW

Storage

(Yes;No)

Q106 Does your Country have high-level liquid wastes in storage? Yes

Processing

(Yes - All;Yes - Some;No)

Q107 If your Country has high-level liquid wastes in storage, are there documented plans in place to process these liquids? No

Timeframe

(Yes - All;Yes - Some;No)

Q108 If your Country has high-level liquid wastes in storage, are there plans to have this waste be processed within a specified time frame? No

UMMT

Responsibility

(Yes;No)

Q110 Does your Country have any Uranium Mine and Mill Tailings sites that do not have a designated authority to manage them? No

Policies

Country: CANADA

Reporting Year: 2011

Decommissioning**Funding****(Yes - All;Yes - Some;No)**

Q111 Does your Country require that funds should be set aside in support of future waste management activities, such as decommissioning activities? Yes - Some

Facilities**(Yes;No)**

Q119 Does Your Country have any nuclear fuel cycle facilities? Yes

Q120 Does Your Country have any nuclear applications facilities (non fuel cycle facilities)? Yes

Timeframe**(Yes - All;Yes - Some;No)**

Q112 Does your Country require a time frame for the decommissioning of nuclear fuel cycle facilities once these facilities cease operation? Yes - All

Q113 Does your Country require a time frame for the decommissioning of non-nuclear fuel cycle facilities once these facilities cease operation? Yes - All

Radionuclide Inventory by Waste Class

Country: CANADA

Reporting Year: 2011

No data available.

No data available.

No data available.

No data available.

No data available.

No data available.

No data available.

Future Outlook

Country: CANADA

Reporting Year: 2011

Data not available.

Future Outlook

Country: CANADA

Reporting Year: 2011

Data not available.

Future Outlook

Country: CANADA

Reporting Year: 2011

Data not available.

Future Outlook

Country: CANADA

Reporting Year: 2011

Data not available.

Future Outlook

Country: CANADA

Reporting Year: 2011

Data not available.

Future Outlook

Country: CANADA

Reporting Year: 2011

Data not available.

Future Outlook

Country: CANADA

Reporting Year: 2011

Data not available.