

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

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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.
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Types of Storage Units

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

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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

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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:	
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Types of Storage Units

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

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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:	
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Types of Storage Units

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

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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.
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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