

Site (Structure) : Pickering

Country: CANADA

Reporting Year: 2007

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

Location: Pickering, Ontario, Canada

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				
Uranium Mine & Mill Waste	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

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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
Uranium Mine & Mill Waste	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.
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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.