

## Site (Structure) : Ignal-NPP

Country: LITHUANIA

Reporting Year: 2005

Full Name: Ignalina Nuclear Power Plant

Description:

Official Website:

License Holder(s): Ignalina NPP

Comment **# 404: Concrete Tanks**

Concrete tanks for spent resins and evaporator concentrates (sludge)

Comment **# 405: SRS**

Since the late 1980s SRS were shipped to INPP. Over the years, until late in 2000, the disused SRS were dumped, together with other wastes, into various storage areas of SB155/1, SB157 and SB157/1.

Beginning late in 2000, the disused SRS have been stored separately from other waste in the compartment in SB157/1 reserved for this waste. The SRS, still in their own-shielded packages, are loaded into cylindrical stainless steel containers for storage, which are then placed in the storage compartment.

Waste management facilities that are located at this site:

<b>Facility:</b>	<b>WPF</b>	
<b>Description:</b>	Ignalina Waste Processing Facility	
<b>Processing part of facility</b>	<b>WPF</b>	
The following shows processing status for waste classes and SRS.		
<b>Waste Class</b>	<b>Actual</b>	<b>Planned</b>
Group-III Solid	Yes	Yes
Group-II Solid	Yes	Yes
Group-I Solid	Yes	Yes
LIQUID	Yes	Yes
<b>Type:</b>	Treatment, Conditioning	
<b>Year opened:</b>	1983	
<b>Comment</b>	<b># 7442: Cementation Facility</b>	
Erection of a cementation facility of spent ion exchange resins, perlite mixtures and sediments as well as a new interim storage facility is now in progress. This cementation facility is expected to be operational in 2005.		
<b>Comment</b>	<b># 7443: SWMSF</b>	
In the frame of the pre-decommissioning support projects, a new Solid Waste Management and Storage Facility (SWMSF) will be built under the Grant Agreement between the EBRD as administrator of a grant fund provided by the Ignalina International Decommissioning Support Funds and Lithuanian Government. Tendering process has been started in 2003. It is expected that the contract for design, construction and licensing of the SWMSF will be signed in 2005. The SWMSF will be built in order to characterize, treat, condition and interim store the retrieved operational waste accumulated on the site as well as the future operational and decommissioning wastes of the same types. The SWMSF will comprise, among others, the capabilities for size reduction, super compaction, incineration, packaging, immobilization and interim storage.		

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<b>Facility:</b>	<b>WSF</b>
<b>Description:</b>	Ignalina Waste Storage Facility.

**Storage part of facility**                      **WSF**

The following shows storage status for waste classes and SRS.

Waste Class	Actual	Planned
Group-III Solid	Yes	Yes
Group-II Solid	Yes	Yes
Group-I Solid	Yes	Yes
LIQUID	Yes	Yes

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?
CT	tank (concrete)	1983	No	No	No	No
SB155	building	1983	No	Yes	No	No
SB155/1	building	1990	No	Yes	No	Yes
SB157	building	1984	No	No	No	Yes
SB157/1	building	1989	No	No	No	Yes
SB158	building	1987	No	No	Yes	No

Comment                      **# 7441: Waste Storage Facility**

The INPP solid radwaste storage facility consists of four buildings, namely building No. 155, No. 155/1, No. 157 and No. 157/1. This facility is Soviet type facility designed for the interim storage of low and intermediate level radioactive waste arising as a consequence of operation of NPP. Since September 1990 institutional waste from Lithuanian small producers is stored in this facility too.

The solidified waste storage facility, building No. 158, is designed for the storage of bituminized radwaste arising as a product of radioactive liquid waste treatment at INPP. It contains 11 canyons with an effective volume of 2000 m<sup>3</sup> each. One canyon has an effective volume of 800 m<sup>3</sup>. It is intention to convert building 158 to a disposal facility.

Comment                      **# 7444: Licensed Landfill**

A Licensed Landfill for very low-level waste will be build at INPP site. A project is being launched in order to develop a Licensed Landfill concept, associated WAC, licensing requirements and tendering documents with intention to have this disposal facility in operation in 2007.