

Site (Structure) : SSE CRME

Country: UKRAINE

Reporting Year: 2011

Full Name: State Specialized Enterprise "Centralized Radioactive Waste Management Enterprise"

Location: 52, Kirova str., Chornobyl, Ukraine, 07270

Description: In order to promote efficient implementation of the state policy for radwaste management, Ministry of Emergencies of Ukraine Ordinance No. 1086 of 9 December 2010 was issued to establish a unique national operating organization for radwaste management at the stage of long-term storage and disposal: State Specialized Enterprise "Centralized Radioactive Waste Management Enterprise" (SSE CRME). The SSE CRME is based on two enterprises, SSE Komplex and SSE Technocenter, that deal with the lifetime stages of radwaste disposal facilities in the exclusion zone. The SSE CRME is the operating organization (operator) for all life stages of radioactive waste disposal facilities.

Official Website:

License Holder(s): State Specialized Enterprise "Centralized Radioactive Waste Management Enterprise"
 Director: Valentyn Melnychenko
 Fax: +38 04493 5 17 08

Waste management facilities that are located at this site:

Facility:	PTLRW					
Description:	PTLRW is composed of trenches and clamps with radioactive waste. Total number of the revealed trenches is till 1000 units					
Storage part of facility PTLRW						
The following shows storage status for waste classes and SRS.						
Waste Class		Actual	Planned			
Mid-Active		Yes	No			
Low-Active		No	No			
High-Active		No	No			
List SRS?	No					
List UMMT?	No					
Capacity:	1 296 588 m3					
Types of Storage Units						
Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
PTLRW	trench (unlined)	1986	No	Yes	No	No

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Facility:	PZRW
Description:	Trenches for solid radioactive waste disposal - "Buryakivka"
Detailed Facility Description:	<p>PZRW it is RWDP – Radioactive Waste Disposal (Storage) Point.</p> <p>There are three radioactive waste disposal (storage) points: Buryakivka, Pidlisnyy and ChNPP Stage III RWDP.</p> <p>The Buriakivka disposal facilities represent specially engineered trenches.</p> <p>There is 635 918 m³ low-level and intermediate-level waste. That result from New Safe Confinement construction, ChNPP decommissioning and decontamination of the exclusion zone territory is disposed of in near-surface radwaste disposal facilities of the Buriakivka RWDP. Their main engineering barrier is a compacted clay layer 1 meter thick to confine radioactive elements from the environment. The Buriakivka RWDP, which was commissioned in 1987, has practically exhausted its capabilities. An international project for Buriakivka safety reassessment and reconstruction has started.</p> <p>The Pidlisnyy and ChNPP Stage III RWDP were created in the first years of the ChNPP accident.</p> <p>The Pidlisnyy RWDP – there is 3960m³ accidental the ChNPP high le</p>

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Disposal part of facility PZRW

The following shows disposal status for waste classes and SRS.

Waste Class	Actual	Planned
Mid-Active	Yes	No
Low-Active	No	No
High-Active	Yes	No

List SRS?	No
List UMMT?	No

Type:	trench(es)		
Facility is modular?	No		
Capacity existing (m3):	660000	Capacity planned (m3):	690000

Depth (m):	4	Host medium:	sedimentary rock (plastic clay)
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Phase Name	Start Year	End Year	Estimate
operation	1987	0	False
EVENT: operating license granted	1996	1999	False
EVENT: operating license granted	1999	2003	False
EVENT: operating license granted	2003	2017	False

Comment **# 25546: the Pidlisnyy and ChNPP Stage III RWDP**

Now, preservation projects have been developed and agreed for the Pidlisnyy and ChNPP Stage III RWDP to prevent degradation of engineering barriers of these facilities and maintain their confining functions until a decision is made on further radwaste management of intermediate-long-lived and high-level waste stored in the facilities. These projects provide for additional barriers to prevent potential spread of radionuclides and improvement of monitoring systems.