Site (Structure) : BRINJE R

Country: SLOVENIA Reporting Year: 2013

Full Name: Reactor Infrastructure Centre, TRIGA Mark II research reactor

Description:

Official Website:

License Holder(s): Jozef Stefan Institute,
Jamova 39
1000 Ljubljana
Slovenia Institut Josef Stefan
tel: +386 1 477-3900 (operator)
fax: +386 1 2519-385
http://www.ijs.si/

Waste management facilities that are located at this site:

Facility:	**HCF**
Description:	Hot Cell Facility (HCF)
Detailed Facility Description:	The integral part of the IJS Reactor Infrastructure Centre is a Hot Cell Facility, which is among others licensed also for treatment of radioactive waste from small producers.
Waste Packages:	After refurbishment of Hot Cell Facility in 2007 it is equipped with equipment for treating solid and liquid radioactive waste (e.g. compactor, cutting devices, ultrasonic decontamination equipment, equipment for measurement of the contamination level in air and liquid effluents).
Facility Operation:	The Hot Cell Facility operates under the TRIGA Mark II research reactor operating license.
Financing:	The research reactor is operated by the Jožef Stefan Institute, a public research institution that is financed through the national budget by the Ministry for Higher Education, Science and Technology.

Processing part of facility HCF

The following shows processing status for waste classes and SRS.

Waste CLass	Actual	Planned
VLLW	No	No
LLW	No	No
ILW	No	No
HLW	No	No

Type:	Treatment, Conditioning
Year opened:	2008

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Facility:	**SF POOL**
Description:	There are two spent fuel storage pools which are an integral part of TRIGA Mark II research reactor.
Detailed Facility Description:	The two spent fuel pools are part of the TRIGA Mark II research reactor. The first spent fuel pool was constructed with the reactor in 1966 and is no longer in use. The second one was constructed in 1992. Its capacity is 195 spent fuel elements. It is located in the basement of the reactor building. It is accessible by the crane through the lid in the reactor hall floor. The pool is 3.5 m deep and is plated with stainless steel sheets. It is equipped with an on-line water radioactivity monitor. Both pools have been empty since 1999, when all spent fuel elements (total 219) were shipped to the USA for final disposal. The new pool is maintained operational and prepared for immediate use if necessary.
Waste Packages:	Spent fuel elements
Facility Operation:	TRIGA was initially licensed in 1966 as an IAEA project and was re-licensed for steady state and pulse operation after refurbishment and reconstruction in 1992. A decision has been adopted that the reactor will operate at least until 2016. In this year the research reactor has to be shut down to start with the fuel cooling and preparations for shipment to meet the deadline to send spent fuel to the United States in 2019.
Financing:	The research reactor is operated by the Jožef Stefan Institute, a public research institution that is financed through the national budget by the Ministry for Higher Education, Science and Technology.

Storage part of facility **SF POOL**

The following shows storage status for waste classes and SRS.

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

List SRS?	No
List UMMT?	No

Capacity:	The capacity of the new pool is 195 spent fuel elements.

Types of Storage Units

Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
Pool-Old	pool	1966	Yes	No	No	No
Pool-New	pool	1992	No	No	No	No

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Comment **# 12165: Storage Facility SF STORAGE**

IJS Reactor Infrastructure Centre

There are two interim storage pools which are part of the IJS Reactor Infrastructure Centre. The old storage pool is not in use. The new storage pool is maintained operational and prepared for immediate use if necessary. Both pools have been empty since 1999, when all spent fuel elements (total 219) were shipped to the USA for final disposal.