



Country Waste Profile Report for SLOVENIA Reporting Year: 2013

*For guidance on reading Country Waste Profile Reports,
please refer to the following internet based document:*

<http://www-newmdb.iaea.org/help/profiles9/guide.pdf>

*For further information, please contact the Responsible Officer via e-mail:
NEWMDB@IAEA.org*

Waste Classification Schemes

Country: SLOVENIA

Reporting Year: 2013

Waste Class Matrix: **IAEA Def.**

This country does use the IAEA Scheme: Yes

Description: The Agency's standard matrix

| Waste Class Name | Distribution % | | | |
|------------------|----------------|-------|-------|-------|
| | VLLW | LLW | ILW | HLW |
| VLLW | 100.0 | 0.0 | 0.0 | 0.0 |
| LLW | 0.0 | 100.0 | 0.0 | 0.0 |
| ILW | 0.0 | 0.0 | 100.0 | 0.0 |
| HLW | 0.0 | 0.0 | 0.0 | 100.0 |

Comment **# 14752: Waste Matrix IAEA Def.**National Classification of radioactive waste (regulation JV7, come into force in 2006).
Used nationwide by all groups.**Definition of «unprocessed waste» and «processed waste»:**

This country uses the following definitions:

| | as-generated waste | processed for handling | processed for storage | processed for disposal |
|--------------------|--------------------|------------------------|-----------------------|------------------------|
| Unprocessed means: | | x | x | x |
| Processed means: | x | | | |

Groups Overview

Country: SLOVENIA

Reporting Year: 2013

| Reporting Group: | ARAO | | | |
|---------------------------|---|--------------------|---------|----------|
| Inventory Reporting Date: | December 2013 | | | |
| Waste Matrix Used: | IAEA Def. | | | |
| Description: | ARAO- Agency for Radwaste Management is a non-profit organisation of the Slovene Government which provides a state-owned public service for radioactive waste management. The main objective of the ARAO is to provide efficient, safe and responsible management for all types of nuclear waste. | | | |
| | | | | |
| Site Name | Facility Name | Facilities Defined | | |
| BRINJE R | HCF | processing | | |
| | SF POOL | | storage | |
| BRINJE S | CSF | | storage | |
| KRSKO NPP | KRSKO NPP | processing | storage | |
| LILW Rep. | LILW Rep. | | | disposal |

| Reporting Group: | National Total | | | |
|---------------------------|-----------------------|--------------------|---------|--|
| Inventory Reporting Date: | December 2013 | | | |
| Waste Matrix Used: | IAEA Def. | | | |
| Description: | | | | |
| | | | | |
| Site Name | Facility Name | Facilities Defined | | |
| NT | NS | | storage | |

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 |

Site (Structure) : BRINJE R

Country: SLOVENIA

Reporting Year: 2013

| | |
|---------------------------------------|---|
| 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 |

Site (Structure) : BRINJE R

Country: SLOVENIA

Reporting Year: 2013

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.

Site (Structure) : BRINJE S

Country: SLOVENIA

Reporting Year: 2013

Full Name: Central Storage Facility for Radioactive Waste in Brinje (CSF)

Description:

Official Website: <http://www.arao.si/public-service-of-radioactive-waste-management/radioactive-waste-storage>

License Holder(s): ARAO - Agency for Radwaste Management, Parmova ulica 53, SI-1000 Ljubljana, Slovenia

Waste management facilities that are located at this site:

Site (Structure) : BRINJE S

Country: SLOVENIA

Reporting Year: 2013

| | |
|---------------------------------------|---|
| Facility: | CSF |
| Description: | Central Storage Facility for Radioactive Waste in Brinje. It is intended for storage of LILW arising from medical, industrial and research applications. |
| Detailed Facility Description: | The storage is a near-surface concrete building with the roof covered with a soil layer. The building is subdivided by concrete walls into nine storage sections and an entrance area. The ground plan of the facility is 10.6 m x 25.7 m with a height of 3.6 m. The facility is equipped with a ventilation system for reducing radon concentration and air contamination in the storage facility. The water and sewage collecting system is designed as a closed system to retain all liquids from the storage facility in the sump. The storage facility is also protected by an alarm system which is connected to a 24-hour security service. |
| Waste Packages: | In terms of waste packaging the external packing is mostly the metal drum (210 liters). Just a few RW are packed in PE bags, small PE or metal containers or in original containers of the spent sealed sources. Those packages are temporarily stored in metal box palletes (used as the shelf) and are waiting to be dismantled in the hot cell facility. After dismantling they will be stored in drums as other RW in the CSF. |
| Facility Operation: | The storage has been in operation since 1986, and since 1999 has been managed and operated by Agency for Radwaste Management - ARAO. |
| Financing: | ARAO was assigned to perform the public service of institutional radioactive waste management in Slovenia. The facility is mostly financed by Government and partly from the small radwaste producers payments. |

Storage part of facility**CSF**

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? | Yes |
| List UMMT? | No |

| | |
|------------------|---------|
| Capacity: | 115 m3. |
|------------------|---------|

Types of Storage Units

| Storage Unit Name | Type Name | Year Opened | Closed? | Full? | Modular? | Contains SRS? |
|-------------------|-----------|-------------|---------|-------|----------|---------------|
| CSF-LILW | building | 1986 | No | No | No | Yes |

Site (Structure) : KRSKO NPP

Country: SLOVENIA

Reporting Year: 2013

Full Name: Krsko Nuclear Power Plant

Description:

Official Website: <http://www.nek.si>

License Holder(s): Krsko Nuclear Power Plant
 Vrbina 12, SI-8270 Krsko, Slovenia
 tel: +386 7 480 20 00

Comment # 14747: About KRSKO NPP (<http://www.nek.si>)

NEK has been in operation for twenty-five years. Projected life-time is until 2023. Over the course of the operational years NEK have witnessed a great many social changes and technological upgrades which have affected their work.

If twenty-five years ago their main aim was adapting to high professional and technical standards of nuclear technology, today the impact of market forces and public acceptability are equally important. If twenty-five years ago they were not yet considering the need to exchange domestic and international operational experience, today this is part of their everyday routine.

All of those changes, and in particular people's increased environmental awareness, are reflected in their everyday operation and in NEK's long-term strategy. They are reflected in the high level of nuclear safety. They guarantee, in the stability and competitiveness of their electricity production in comparison to other energy sources and, last but not least, in their objectives of achieving NEK's public acceptability.

Over the course of twenty-five years they have formed a qualified team which is strongly committed to their goals and to the values of safety culture. On the basis of know-how, continuous training, safe operation and operating efficiency, they are realizing an optimistic vision of the second half of NEK's lifecycle.

Waste management facilities that are located at this site:

| | |
|---------------------------------------|---|
| Facility: | KRSKO NPP |
| Description: | Krsko NPP processing and interim storage facility |
| Detailed Facility Description: | <p>The Krsko NPP includes the following buildings for radioactive waste management: the Auxiliary Building (where the systems for solid, liquid and gaseous waste processing are located), the Solid Radwaste Storage Facility (SRSF), the Decontamination Building (an interim storage, built for decay storage for two old steam generators and radioactive waste produced through replacement of steam generators and other larger components). The spent fuel from the plant is stored under water in the spent fuel pool inside the Fuel Handling Building of the Krško NPP.</p> <p>The capacity of the pool has been enlarged with reracking in 2003, to present 1709 fuel assembly (FA) locations that are available for the storage of FA, but due to the changed storage conditions and requirements incurred after 9/11 and the restrictions following the accident at Fukushima is actually available only 1383 positions.</p> <p>Total activity in the storage facility SRSF at the end of 2013 was approximately 19,3 TBq.</p> |
| Waste Packages: | |

Site (Structure) : KRSKO NPP

Country: SLOVENIA

Reporting Year: 2013

| | |
|---------------------|--|
| | <p>208 l standard drum (appropriate for the following solid wastes: Compressible Waste, Other, Filters, Spent Resins and Evaporator Bottom),</p> <p>320 l overpack (used solely for packaging of compressed standard 208 l drums from the first supercompaction campaign),</p> <p>200 l Stainless Steel heavy drum with biological shield (150 l of usable volume, used for dried primary spent resins tested as Type A Package in accordance with IAEA Safety Standards),</p> <p>200 l Stainless Steel heavy drum without biological shield (used for secondary spent resins and dried concentrate tested as Type A Package),</p> <p>200 l heavy carbon steel drum with coating (a limited number of this type of drums were filled with secondary spent resins and dried concentrate),</p> <p>100 l drums (containing ash from incineration, these drums are immobilised with concrete in 208 l drums),</p> <p>tube-type container (usable volume 869 l or 864 l, is an overpack),</p> <p>spent fuel element</p> |
| Facility Operation: | KRSKO NPP has been in operation for more than 30 years. Commercial operation started in January 1983. |
| Financing: | <p>The basic capital of NEK is divided into two equal shares owned by the partners GEN energija l.l.c. and Hrvatska Elektroprivreda p.l.c. . NEK produces and supplies electricity exclusively in favour of the two partners, who each have the right and obligation to use 50% of its total output.</p> <p>The expenses for radioactive waste treatment, conditioning and storing as well as for spent fuel storage are part of the production costs. The financial resources for these activities are ensured during the operational period of the Krško NPP.</p> |

Site (Structure) : KRSKO NPP

Country: SLOVENIA

Reporting Year: 2013

Storage part of facility KRSKO NPP

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: | Solid radwaste storage facility (LILW) with capacity of app.2500-2800m3 and the decontamination building. The capacity of the spent fuel pool has been enlarged with reracking in 2003—to present 1709 fuel assembly (FA) locations. |
|-----------|---|

Types of Storage Units

| Storage Unit Name | Type Name | Year Opened | Closed? | Full? | Modular? | Contains SRS? |
|-------------------|-----------|-------------|---------|-------|----------|---------------|
| LILW-store | building | 1983 | No | No | No | No |
| SF-pool | pool | 1983 | No | No | No | No |
| LILW-decon | building | 1998 | No | No | No | No |

Processing part of facility KRSKO NPP

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: | 1983 |

Site (Structure) : KRSKO NPP

Country: SLOVENIA

Reporting Year: 2013

Comment # 12160: Spent Fuel Management Facility in Krsko NPP

Spent Fuel Management Facility

The Republic of Slovenia has no off-site spent fuel management facilities. The spent fuel that is generated by the operation of the Krsko NPP is managed in storage facility which are integral parts of these nuclear facility.

The Fuel Handling Building is operated under the plant's license and is therefore not considered an independent nuclear facility. The fuel handling building consists of a spent fuel pool and the related fuel handling system which enables the handling of spent fuel.

Comment # 12161: LILW Facilities in Krsko NPP

The Krsko NPP includes the following buildings for radioactive waste management:

Auxiliary Building, where the systems for solid, liquid and gaseous waste processing are located. The building is located adjacent to the Fuel Handling Building and the Reactor Building within the Radiologically Controlled Area. The main activities related to waste management in this building are pre-treatment (waste collection, segregation, chemical adjustment, decontamination), treatment (radionuclide removal, volume reduction) and conditioning (immobilisation, packaging). The conditioned waste is transported to the Solid Radwaste Storage Facility by a forklift or an electric-powered cart using a special shield when necessary.

Solid Radwaste Storage Facility, an interim storage. Its operating license was extended in 1988 due to the lack of a LILW repository. It is a reinforced concrete structure, seismically qualified, located adjacent to the Auxiliary Building. Total area is 1470 m² after an area optimisation project, applying a special steel structure to support the storage of waste on the second level, the useful volume was increased to allow waste storage for a longer period of time. The storage time in the Solid Radwaste Storage Facility is variable and is dependent on waste generation rates and waste management plans. The facility has provisions for storing different solid radioactive wastes separately and retrieving them for further processing (supercompaction, incineration, melting, clearance after decay of radionuclide) or disposal at a later time.

Decontamination Building, an interim storage, built for decay storage for two old steam generators and radioactive waste produced through replacement of steam generators and other larger components. The building meets the requirements for LILW storage. The outer wall and the roof slab design were governed by the radiological shielding requirements.

Site (Structure) : LILW Rep.

Country: SLOVENIA

Reporting Year: 2013

Full Name: Planned repository for LILW

Description:

Official Website:

License Holder(s): future facility, not licensed

Waste management facilities that are located at this site:

| | |
|--------------------------------|--|
| Facility: | LILW Rep. |
| Description: | Planned LILW near surface silo repository. The site was approved in 2009. |
| Detailed Facility Description: | The repository will consist of a disposal part, composed of a set of modular disposal units (silos), and other structures required for acceptance, conditioning and storage of radioactive waste. Besides technological facilities, a visitor center, an administrative building and a service building are anticipated on the site as well. All buildings and disposal structures of the repository will be constructed on a platform which will protect them against floods. |
| Financing: | According to the Agreement, the owners of the Krško NPP, GEN energija d.o.o. and Hrvatska Elektroprivreda d.d., are obliged to assure the funds for the decommissioning and the final disposal of radioactive waste and spent fuel. The Slovenian share of financial assets is collected through a levy for the kWh delivered to the Slovenian grid since 1996. |

Site (Structure) : LILW Rep.

Country: SLOVENIA

Reporting Year: 2013

Disposal part of facility **LILW Rep.**

The following shows disposal status for waste classes and SRS.

| Waste Class | Actual | Planned |
|-------------|--------|---------|
| VLLW | No | No |
| LLW | No | Yes |
| ILW | No | Yes |
| HLW | No | No |

| | |
|------------|----|
| List SRS? | No |
| List UMMT? | No |

| | | | |
|-------------------------|-------------------------|------------------------|------|
| Type: | engineered near surface | | |
| Facility is modular? | Yes | | |
| Capacity existing (m3): | 0 | Capacity planned (m3): | 3100 |

| | | | |
|------------|----|--------------|---------------------|
| Depth (m): | 53 | Host medium: | sedimentary (other) |
|------------|----|--------------|---------------------|

| Phase Name | Start Year | End Year | Estimate |
|------------------------------------|------------|----------|----------|
| planning and/or concept assessment | 1995 | 2004 | False |
| site selection | 2003 | 2009 | False |
| design | 2006 | 2016 | True |
| construction | 2017 | 2019 | True |
| commissioning | 2020 | 2021 | True |
| operation | 2020 | 2061 | True |
| closure | 2062 | 0 | True |
| institutional control | 2062 | 2362 | True |

Site (Structure) : NT

Country: SLOVENIA

Reporting Year: 2013

Full Name:

Description:

Official Website:

License Holder(s):

Waste management facilities that are located at this site:

| Facility: | NS | | | | | | | | | | | | | | | | |
|---|-----------|---------|-------------|--------|---------|------|----|----|-----|-----|----|-----|-----|----|-----|----|----|
| Description: | | | | | | | | | | | | | | | | | |
| <p>Storage part of facility NS</p> <p>The following shows storage status for waste classes and SRS.</p> <table border="1"> <thead> <tr> <th>Waste Class</th> <th>Actual</th> <th>Planned</th> </tr> </thead> <tbody> <tr> <td>VLLW</td> <td>No</td> <td>No</td> </tr> <tr> <td>LLW</td> <td>Yes</td> <td>No</td> </tr> <tr> <td>ILW</td> <td>Yes</td> <td>No</td> </tr> <tr> <td>HLW</td> <td>No</td> <td>No</td> </tr> </tbody> </table> | | | Waste Class | Actual | Planned | VLLW | No | No | LLW | Yes | No | ILW | Yes | No | HLW | No | No |
| Waste Class | Actual | Planned | | | | | | | | | | | | | | | |
| VLLW | No | No | | | | | | | | | | | | | | | |
| LLW | Yes | No | | | | | | | | | | | | | | | |
| ILW | Yes | No | | | | | | | | | | | | | | | |
| HLW | No | No | | | | | | | | | | | | | | | |
| List SRS? | No | | | | | | | | | | | | | | | | |
| List UMMT? | No | | | | | | | | | | | | | | | | |
| Capacity: | | | | | | | | | | | | | | | | | |

Site (Data) : NT

Stock of waste as at December 2013

Country: SLOVENIA

Reporting Year: 2013

Site Name: NT

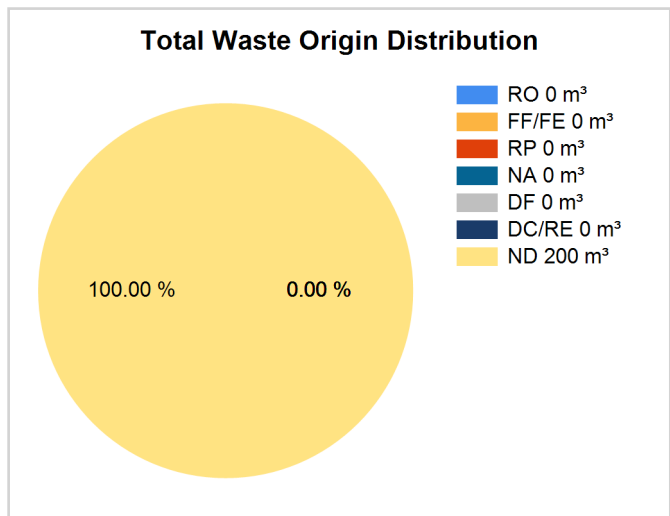
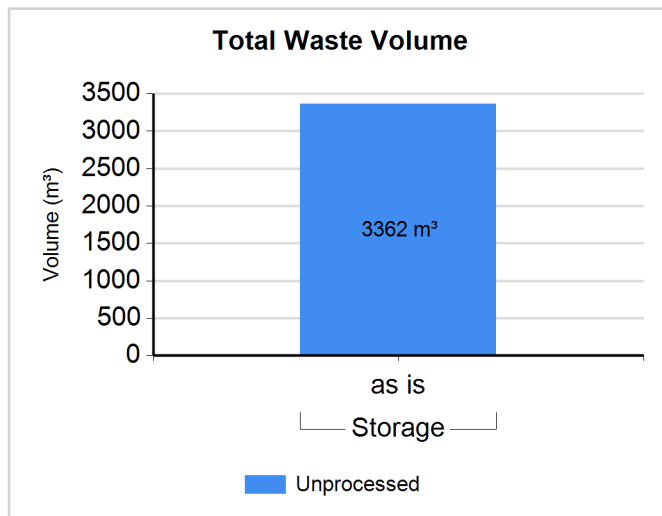
Full Name:

Inventory Reporting Date: December 2013

Waste Matrix Used: IAEA Def.

Waste Inventory

Est=distribution is an estimate, Proc.=Is the waste processed (Yes/No)? RO=Reactor Operations, FF/FE=Fuel Fabrication/Fuel Enrichment, RP=Reprocessing, NA=Nuclear Applications,DF=Defence, DC/RE=Decommissioning/Remediation, ND=Not Determined



Note: where volume "as dispo" is provided, volume "as is" is used in the graph instead.

Waste Class: LLW

| Waste Class Name | Location / Facility | Proc | Est. | Volume "as is" (m³) | Volume "as dispo" (m³) | RO % | FF/FE % | RP % | NA % | DF % | DC/RE % | ND % |
|------------------|---------------------|------|------|---------------------|------------------------|------|---------|------|------|------|---------|--------|
| LLW | Storage | N | N | 2690.000 | 2690.000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 |

Waste Class: ILW

| Waste Class Name | Location / Facility | Proc | Est. | Volume "as is" (m³) | Volume "as dispo" (m³) | RO % | FF/FE % | RP % | NA % | DF % | DC/RE % | ND % |
|------------------|---------------------|------|------|---------------------|------------------------|------|---------|------|------|------|---------|--------|
| ILW | Storage | N | N | 672.000 | 672.000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 |

Regulators

Country: SLOVENIA

Reporting Year: 2013

| | |
|---------------|--|
| Name: | SNSA |
| Full Name: | Slovenian Nuclear Safety Administration |
| Divison: | Division of Nuclear and Radioactive Materials Divison of Inspection Control |
| City or Town: | Ljubljana |
| Main Website: | http://www.ursjv.gov.si/en/ |

Comment **# 7597: SNSA**

Slovenian Nuclear Safety Administration,
Litostrajska cesta 54, SI - 1000 Ljubljana, Slovenia,
Phone: +386 1 472 11 00,
Fax: +386 1 472 11 99,
E-mail: SNSA@gov.si,
Web site: <http://www.ursjv.gov.si/>

| | |
|---------------|--|
| Name: | SRPA |
| Full Name: | Slovenian Radiation Protection Administration |
| Divison: | Area of radiation practices and use of radiation sources in health and veterinary care |
| City or Town: | Ljubljana |
| Main Website: | http://www.uvps.gov.si/en/ |

Comment **# 9720: Regulator SRPA**

Slovenian Radiation Protection Administration, Ajdovscina 4, SI-1000 Ljubljana Slovenia, Phone: +386 1 478 87 09, Fax: +386 1 478 87 15, e-mail: [gp-ursvs.mz\(at\)gov.si](mailto:gp-ursvs.mz(at)gov.si), web: <http://www.uvps.gov.si>

The 2002 Act gives the competence in the area of radiation practices and use of radioactive sources in health and veterinary care to the Slovenian Radiation Protection Administration (SRPA), which was established in March 2003 within the Ministry of Health. SRPA performs tasks related to professional issues, authorisation and enforcement in the fields of radiation protection and safe use of radiation sources in medicine and veterinary, radiation protection of general population, systematic inspection of living and working environments, monitoring of food and drinking water, restriction and diminishing of harmful health effects due to exposure to non-ionising radiation and authorisation of approved radiation protection experts.

Regulations / Laws

Country: SLOVENIA

Reporting Year: 2013

| | | |
|--|---|-----|
| Name: | ZVISJV | |
| Title or Name: | ACT ON IONISING RADIATION PROTECTION AND NUCLEAR SAFETY with amendments | |
| Reference Number: | Off. Gaz. RS, 67/2002, 24/2003, 46/2004, 102/2004, | |
| Date Promulgated or Proclaimed: | 10/1/2002 | Law |

Comment **# 7595: ZVISJV with amendments**

In July 2002 the Parliament of the Republic of Slovenia adopted a new Act on Ionising Radiation Protection and Nuclear Safety (Off. Gaz. RS, 67/2002 - hereinafter referred to as "2002 Act").

As defined in the first Article of this act, its main purpose is "to regulate ionising radiation protection, with the aim of reducing the detrimental effects on health and reducing to the lowest possible level radioactive contamination of the environment due to ionising radiation resulting from the use of radiation sources, while at the same time enabling the development, production and use of radiation sources and performing radiation practices". It also regulates radioactive waste and spent fuel management.

An Act amending the 2002 Act was adopted on 25 February 2003. It provides that the Slovenian Government shall prepare an amended National Program for the Protection of the Environment as regards radioactive waste and spent fuel management by the end of 2004 and submit it to the Parliament for adoption. The site for a low- and intermediate-level waste repository must be approved by 2008 and licensed for operation by 2013.

New amendments of the 2002 Act were adopted on 29 April 2004. The amendments were introduced to reflect the fact that from 1 May 2004 Slovenia is a Member State of the European Union. The aim of this last revision was mainly to harmonise the provisions of the act with the European Union's legal requirements, especially in the area of shipment of radioactive waste and sources.

The 2002 Act also provides that the regulations which have been issued on the basis of the previous 1984 and 1980 Acts shall apply until new regulations, which are to be adopted pursuant to provisions of the 2002 Act, are issued.

Based on the 2002 Act, twelve decrees and regulations have been issued (Appendix II). All other decrees and regulations are expected to be adopted and issued in 2004 and early 2005.

Attachment **#1816: Regulation**

ZVISJV-ang.pdf

IONISING RADIATION PROTECTION AND NUCLEAR SAFETY ACT
consolidated text - published in the Official Gazette of the Republic of Slovenia, No. 102/2004 (UNOFFICIAL TRANSLATION)

| | | |
|--|---|------------|
| Name: | UV3 | |
| Title or Name: | Decree on the Areas of Limited Use of Land Due to Nuclear Facility and on Conditions for Construction in such Areas Decree amending the Decree on the areas of limited use of space due to a nuclear facility and the conditions of facility construction in these areas | |
| Reference Number: | Off. Gaz: RS, 36/2004, 103/2006, 92/2014 | |
| Date Promulgated or Proclaimed: | 4/28/2004 | Regulation |

Regulations / Laws

Country: SLOVENIA

Reporting Year: 2013

| | | |
|---------------------------------|---|------------|
| Name: | UV8 | |
| Title or Name: | Decree on the Criteria for Determining the Amount of Compensation Due to the Limited Use of Land in the Area of Nuclear Facility Decree amending the Decree on the criteria for the determination of the compensatory amount due to the limited use of the environment in the area of a nuclear facility Off.Gaz. RS No.100/2008 | |
| Reference Number: | Off. Gaz. RS, No. 134/2003 | |
| Date Promulgated or Proclaimed: | 12/31/2003 | Regulation |

| | | |
|---------------------------------|--|------------|
| Name: | ARAO est. | |
| Title or Name: | Decree on Establishment of a Public Agency for Radwaste Management | |
| Reference Number: | Off. Gaz. RS, 5/91, 45/96, 32/99, 38/2001, 113/200 | |
| Date Promulgated or Proclaimed: | 2/9/1991 | Regulation |

| | | |
|---------------------------------|--|------------|
| Name: | Public S. | |
| Title or Name: | Decree on the method and subject of and conditions for performing a public utility service of radioactive waste management | |
| Reference Number: | Off. Gaz. RS, 32/99, 41/04 | |
| Date Promulgated or Proclaimed: | 5/21/1999 | Regulation |

| | | |
|---------------------------------|--|------------|
| Name: | JV11 | |
| Title or Name: | Rules on transboundary shipments of radioactive waste and spent fuel | |
| Reference Number: | Official Gazette RS, 22/2009 | |
| Date Promulgated or Proclaimed: | 3/24/2009 | Regulation |

| | | |
|---------------------------------|---|------------|
| Name: | FV1 | |
| Title or Name: | Regulation on physical protection of nuclear materials, nuclear facilities and radiation facilities | |
| Reference Number: | Official Gazette RS, 31/2005 | |
| Date Promulgated or Proclaimed: | 3/25/2005 | Regulation |

Regulations / Laws

Country: SLOVENIA

Reporting Year: 2013

| | | |
|---------------------------------|---|-----|
| Name: | ZSFR | |
| Title or Name: | Act on Fund for Financing Decommissioning of the Krško Nuclear Power Plant and Disposal of Radioactive Waste from the Krško NPP with amendments 35/1996, 24/2003, 47/2003-UPB1, 68/2008 | |
| Reference Number: | Off.Gaz.RS, No.75/1994 | |
| Date Promulgated or Proclaimed: | 12/17/1994 | Law |

| | | |
|---------------------------------|---|-----|
| Name: | BHRNEK | |
| Title or Name: | Act Ratifying the Treaty between the Government of the Rep.of Slovenia and the government of the Rep.of Croatia on the regulation of the status and other legal relations regarding investment, exploitation and decommissioning of the Krsko NPP and Joint Declaration at the time of signature of the Treaty between the Gov. of the Rep. of Slovenia and the gov. of the Rep. of Croatia on the regulation of the status and other legal relations regarding invest., exploit. and decom. of the Krsko NPP | |
| Reference Number: | Official Gazette RS-MP, No. 23/2003 | |
| Date Promulgated or Proclaimed: | 3/6/2003 | Law |

| | | |
|---------------------------------|--|------------|
| Name: | UV2 | |
| Title or Name: | Decree on dose limits, radioactive contamination and intervention levels | |
| Reference Number: | Official Gazette RS, 49/2004 | |
| Date Promulgated or Proclaimed: | 4/30/2004 | Regulation |

| | | |
|---------------------------------|---|------------|
| Name: | JV7 | |
| Title or Name: | Regulation on radioactive waste and spent fuel management | |
| Reference Number: | Official Gazette RS, 49/2006 | |
| Date Promulgated or Proclaimed: | 6/1/2006 | Regulation |

| | | |
|---------------------------------|--|------------|
| Name: | UV1 | |
| Title or Name: | Decree on activities involving radiation Decree amending the Decree on activities involving radiation | |
| Reference Number: | Official Gazette RS, 48/2004, 9/2006 | |
| Date Promulgated or Proclaimed: | 4/30/2004 | Regulation |

Regulations / Laws

Country: SLOVENIA

Reporting Year: 2013

| | | |
|---------------------------------|---|------------|
| Name: | UV11 | |
| Title or Name: | Decree on checking the radioactivity for shipments of metal scrap | |
| Reference Number: | Official Gazette RS, 84/2007 | |
| Date Promulgated or Proclaimed: | 9/18/2007 | Regulation |

| | | |
|---------------------------------|---|------------|
| Name: | UV6 | |
| Title or Name: | Decree on safeguarding of nuclear materials | |
| Reference Number: | Official Gazette RS, 34/2008 | |
| Date Promulgated or Proclaimed: | 4/22/2008 | Regulation |

| | | |
|---------------------------------|---|------------|
| Name: | JV12 | |
| Title or Name: | Rules on the transboundary shipment of nuclear and radioactive substances | |
| Reference Number: | Official Gazette RS, 75/2008 | |
| Date Promulgated or Proclaimed: | 8/6/2008 | Regulation |

| | | |
|---------------------------------|---|------------|
| Name: | JV5 | |
| Title or Name: | Rules on radiation and nuclear safety factors | |
| Reference Number: | 92/2009, 9/2010 | |
| Date Promulgated or Proclaimed: | 12/1/2009 | Regulation |

| | | |
|---------------------------------|---|------------|
| Name: | JV9 | |
| Title or Name: | Rules on operational safety of radiation and nuclear facilities | |
| Reference Number: | 85/2009, 9/2010, 87/2011 | |
| Date Promulgated or Proclaimed: | 11/14/2009 | Regulation |

Milestones

Country: SLOVENIA

Reporting Year: 2013

| | | | |
|---|------|-----------|------|
| Start Year or Reference Year: | 2014 | End Year: | 2014 |
| Description of Milestone: | | | |
| The Slovenian government has approved an investment program for a national repository for low- and intermediate-level waste (LLW/ILW). The total investment costs depend on whether neighbouring Croatia participates in the project. | | | |

Comment **# 29587: Investment program for a national repository**

The program estimates the total investment cost for building, operating and eventually sealing the repository to be some €157 million (\$214 million). This figure is based on the assumption that the repository will be used for the disposal of all the LLW/ILW generated through medical, research and industrial use, as well as half of such waste produced at the Krško nuclear power plant. However, the investment program estimates that if Croatia also participates in the repository project, the total cost would be around €178 million (\$242 million), or €89 million (\$121 million) each.

| | | | |
|--|------|-----------|------|
| Start Year or Reference Year: | 2013 | End Year: | 2013 |
| Description of Milestone: | | | |
| Adoption of Resolution on Nuclear and Radiation Safety in the Republic of Slovenia - for the period 2013-2023. | | | |

Milestones

Country: SLOVENIA

Reporting Year: 2013

| | | | |
|---|------|-----------|------|
| Start Year or Reference Year: | 2011 | End Year: | 2011 |
| Description of Milestone: | | | |
| The Act Amending the Act on Ionizing Radiation Protection and Nuclear Safety was published in the Official Gazette of the Republic of Slovenia, No. 60/2011, dated 29.7.2011. It entered into force on 13.8.2011. | | | |

Comment

29586: The Act Amending the Act on Ionizing Radiation Pro

The amended Act introduces requirements of Council Directive 2009/71/Euratom (establishing a Community framework for nuclear safety of nuclear installations) on competent authorities, self-assessment regarding their own organization and consistency of domestic legislation with internationally established standards. Furthermore, a commitment to the international peer review process is incorporated into the Act. The amended Act restricts the right to strike of certain categories of workers in radiation and/or nuclear facilities (duties important to safety) in order to protect the public interest. The provisions on physical protection have been substantially completed as the result of international commitments and because of the EU directives, where in addition to nuclear material requirements physical protection of radioactive substances was set. Regarding the licenses to carry out radiation practices and licenses for the use of a source of radiation, some unnecessary duplication of certain requirements removed from the Act. Since the Act does not use the term "competent ministry" anymore, but rather designates the actual competent authority in each case, the Act is now easier to understand and is not misleading with regard to competences of different ministries and governmental authorities. The proposed amendment also regulates the "overtime work", which can be ordered for the staff of competent authorities, and the "permanent availability" of inspectors and professional officers, who can act quickly and take appropriate actions in case of loss or finding an unknown source of radiation, in case of emergency or other similar cases.

| | | | |
|---|------|-----------|--|
| Start Year or Reference Year: | 2009 | End Year: | |
| Description of Milestone: | | | |
| The site at Vrbina near Krsko NPP for LILW repository was formally approved in the scope of the Decree on National Spatial Plan at the end of 2009. | | | |

Milestones

Country: SLOVENIA

Reporting Year: 2013

| | | | |
|---|------|-----------|--|
| Start Year or Reference Year: | 2008 | End Year: | |
| Description of Milestone: | | | |
| <p>In 2008, public exhibition of the supplemented draft national spatial plan for the LILW repository on the Vrbina site in the municipality of Krsko and of the environmental impact report took place. Public hearing was held on 14 February. The competent institutions and the municipality submitted numerous proposals and remarks.</p> <p>In the municipality of Krsko, where at the end of 2008 the procedure was in its final stage, some more time - presumably by the end of May 2009 - was taken to make the decision. The procedure in the municipality of Brezice lags behind considerably.</p> <p>In 2008, preliminary field investigations on the potential site for the LILW repository of Vrbina in the municipality of Krško were successfully completed.</p> | | | |
| Start Year or Reference Year: | 2008 | End Year: | |
| Description of Milestone: | | | |
| <p>On 18 April 2008, ARAO was granted an operational licence for operation of the Central storage for radwaste in Brinje, valid for ten years.</p> | | | |
| Start Year or Reference Year: | 2007 | End Year: | |
| Description of Milestone: | | | |
| <p>Proposal of the national spatial plan for the LILW repository at the potential location of Vrbina in the municipality of Krsko was prepared and submitted for public hearing required by the national legislation.</p> | | | |
| Start Year or Reference Year: | 2006 | End Year: | |
| Description of Milestone: | | | |
| <p>Regarding the procedure for siting the LILW repository two potential sites (locations) remained. On the potential sites site characterization investigation works have started.</p> | | | |
| Start Year or Reference Year: | 2005 | End Year: | |
| Description of Milestone: | | | |
| <p>In November 2005 three sites (locations) for the LILW repository in volunteering local communities were confirmed by the Government.</p> | | | |
| Start Year or Reference Year: | 2005 | End Year: | |
| Description of Milestone: | | | |
| <p>In October 2005 the National programme for radioactive waste management was adopted by the Government and in February 2006 a resolution on National Programme on radioactive waste and spent fuel management passed also the Parliamentary procedure.</p> | | | |

Milestones

Country: SLOVENIA

Reporting Year: 2013

| | | | |
|---|------|-----------|--|
| Start Year or Reference Year: | 2004 | End Year: | |
| Description of Milestone: | | | |
| In November 2004 the Ministry of the Environment and Spatial Planning officially started the spatial planning procedure as part of site selection process, aiming at developing the National detailed site development plan for LILW. | | | |
| Start Year or Reference Year: | 2004 | End Year: | |
| Description of Milestone: | | | |
| On the basis of the Detailed Plan of National Importance for the LILW Repository, ARAO Agency at the end of the year 2004 invited all Slovenian local communities to cooperate in environmental setting of the LILW repository. | | | |
| Start Year or Reference Year: | 2004 | End Year: | |
| Description of Milestone: | | | |
| In accordance with the provisions of the Treaty between the Government of the Republic of Slovenia and Republic of Croatia on regulation of status and other legal relationships relating to investments into the Krsko nuclear power plant, the Slovenian and Croatian government adopted the first revision of the Program of NPP Krsko decommissioning, SF and LILW disposal. | | | |
| Start Year or Reference Year: | 2003 | End Year: | |
| Description of Milestone: | | | |
| On 7 March 2003 the Agreement between the Governments of the Republic of Slovenia and the Republic of Croatia on the status and other legal issues related to investments, exploitation and decommissioning of the Nuclear Power Plant Krško entered into force (it was signed on 19 December 2001). | | | |
| Start Year or Reference Year: | 2002 | End Year: | |
| Description of Milestone: | | | |
| In July 2002 the Parliament of the Republic of Slovenia adopted a new Act on Ionising Radiation Protection and Nuclear Safety. The Act entered into force on 1 October 2002. Its main purpose is "to regulate ionising radiation protection, with the aim of reducing the detrimental effects on health and reducing to the lowest possible level radioactive contamination of the environment due to ionising radiation resulting from the use of radiation sources, while at the same time enabling the development, production and use of radiation sources and performing radiation practices". It also regulates radioactive waste and spent fuel management. | | | |
| Start Year or Reference Year: | 1994 | End Year: | |
| Description of Milestone: | | | |
| The Act on the Fund for financing Decommissioning of the Krsko NPP and disposal of Radioactive Waste from the Krsko NPP was adopted in the end of year 1994. By this act was established The Financial Fund for Decommissioning of Nuclear Power Plant Krsko. | | | |

Milestones

Country: SLOVENIA

Reporting Year: 2013

| | | | |
|---|------|-----------|--|
| Start Year or Reference Year: | 1991 | End Year: | |
| Description of Milestone: | | | |
| The Agency for Radwaste Management is founded by the Government of Slovenia as a public enterprise, responsible for final disposal of radioactive waste. | | | |
| Start Year or Reference Year: | 1987 | End Year: | |
| Description of Milestone: | | | |
| The Slovenian Nuclear Safety Administration (SNSA) was established in 1987. SNSA is competent in the area of nuclear safety and radioactive waste management. Previously, the functions of the regulatory body were held by the Committee of Energy and Industry. | | | |
| Start Year or Reference Year: | 1986 | End Year: | |
| Description of Milestone: | | | |
| The Central Storage Facility for Radioactive Waste in Brinje was put into operation in 1986. It is intended for storage of low and intermediate level radioactive waste arising from medical, industrial and research applications. The storage facility is situated at the Research Reactor Centre, about 15 km north-east of Ljubljana. | | | |
| Start Year or Reference Year: | 1984 | End Year: | |
| Description of Milestone: | | | |
| In year 1984 entered into force one of the most important act "Act on Radiation Protection and the Safe Use of Nuclear Energy" (Off. Gaz. SFRY, No. 62/84). | | | |
| Start Year or Reference Year: | 1983 | End Year: | |
| Description of Milestone: | | | |
| The Krsko NPP began with commercial operation in January 1983. | | | |
| Start Year or Reference Year: | 1974 | End Year: | |
| Description of Milestone: | | | |
| The Krsko NPP construction was started. It is a Westinghouse two-loop pressurised water reactor. Its initial power was 632 MWe. | | | |
| Start Year or Reference Year: | 1966 | End Year: | |
| Description of Milestone: | | | |
| The Research Reactor TRIGA Mark II is operated by Josef Stefan Institute. It was put into operation in May 1966. The reactor was delivered by General Atomics, the reactor tank and body were built by Slovenian companies. Main purpose of the research reactor is research, training and isotopes production. | | | |

Policies

Country: SLOVENIA

Reporting Year: 2013

National Systems

| Policy | (Yes;Partially;No) |
|--|--------------------|
| Q14 Has your Country implemented a national policy for radioactive waste management? | Yes |
| <p>Comment # 7612: National Radwaste management programme</p> <p>In October 2005 the National programme for radioactive waste management was adopted by the Government and in February 2006 a resolution on National Programme on radioactive waste and spent fuel management passed also the Parliamentary procedure.</p> <p>The document covers the managements of waste from all possible sources of radioactive waste. Besides the waste from the NPP it also includes institutional radioactive waste and waste from past mining activities as well as NORM and TENORM. It covered the period of 10 years. It is planned to upgrade this comprehensive programme by the implementation programmes on different aspects of waste management and start their implementation.</p> <p>Comment # 7613: The Fund for Financing the Decommissioning of NPP</p> <p>The Fund for Financing the Decommissioning of the Krsko NPP and for the disposal of its radioactive waste was established by the Act on the Fund for Financing Decommissioning of the Krsko NPP and Disposal of Radioactive Waste from Krsko NPP (Off.Gaz. RS, No.75/94, 35/96). The Fund would be collect finances from the contributions of each produced kWh at the plant. However, due to the unresolved legal and ownership status of Krsko NPP, required funds are only partially collected.</p> | |

| Strategies | (Yes;Partially;No) |
|---|--------------------|
| Q15 Has your country developed strategies to implement a national policy? | Partially |
| <p>Comment # 14754: Operational programmes for radwaste management</p> <p>Operational programmes for radwaste and spent fuel management were prepared and have been in adoption process.</p> | |

| Requirements | (Yes;Partially;No) |
|---|--------------------|
| Q17 identified the parties involved in the different steps of radioactive waste management | Yes |
| Q18 specified a rational set of safety, radiological and environmental protection objectives | Yes |
| Q19 implemented a mechanism to identify existing and anticipated radioactive wastes | Yes |
| Q20 implemented controls over radioactive waste generation | Yes |
| Q21 identified available methods and facilities to process, store and dispose of radioactive waste on an appropriate time-scale | Yes |
| Q22 taken into account interdependencies among all steps in radioactive waste generation and management | Yes |
| Q23 implemented appropriate research and development to support the operational and regulatory needs | Yes |
| Q24 implemented a funding structure and the allocation of resources that are essential for radioactive waste management | Yes |
| Q25 implemented formal mechanisms for disseminating information to the public and for public consultation | Yes |

Policies

Country: SLOVENIA

Reporting Year: 2013

| Responsibilities | | (Complete;Incomplete) |
|-------------------------|---|------------------------------|
| Q28 | establish and implement a legal framework for the management of radioactive waste | Complete |
| Q29 | establish or designate a regulatory body that has the responsibility for carrying out the regulatory function with regard to safety and the protection of human health and the environment. | Complete |
| Q30 | define the responsibilities of waste generators and operators of waste management facilities | Complete |
| Q31 | provide for adequate resources | Complete |
| Q33 | enforce compliance with regulatory requirements | Complete |
| Q34 | implement the licensing process | Complete |
| Q35 | advise the government | Complete |
| Q37 | identify an acceptable destination for the radioactive waste | Complete |
| Q114 | comply with legal requirements | Complete |
| Activities | | (Yes;Partially;No) |
| Q43 | perform safety and environmental impact assessments for radioactive waste management facilities | Yes |
| Q44 | ensure adequate radiation protection for workers, the general public and the environment | Yes |
| Q45 | ensure suitable staff, equipment, facilities, training and operating procedures are available to perform the safe radioactive waste management steps | Yes |
| Q46 | establish and implement a quality assurance programme for the radioactive waste generated or its processing, storage and disposal | Yes |
| Q47 | establish and keep records of appropriate information regarding the generation, processing, storage and disposal of radioactive waste, including an inventory of radioactive waste | Yes |
| Q48 | provide surveillance and control of activities involving radioactive waste as required by the regulatory body | Yes |
| Q49 | collect, analyze and, as appropriate, share operational experience to ensure continued safety improvements in radioactive waste management | Yes |
| Q50 | conduct or otherwise ensure appropriate research and development to support operational needs in radioactive waste management | Yes |
| Clearance | | (Yes;No) |
| Q128 | Does your country have "clearly defined clearance levels based on radiological criteria, with policy statements that material below those levels can be recycled or disposed of with non-radioactive wastes"? | Yes |
| Q129 | Has your country ever used a "case-by-case" approach to clearing radioactive wastes (excluding spent/disused sealed radioactive sources)? | Yes |
| Q130 | Has your country ever used clearance levels to dispose of, reuse or recycle radioactive waste as non-radioactive waste or as a non-radioactive resource (excluding spent/disused sealed radioactive sources)? | No |

Policies

Country: SLOVENIA

Reporting Year: 2013

Disposal Facilities

| Licensing | | (Yes - All;Yes - Some;No) |
|-----------|--|---------------------------|
| Q53 | Environmental Assessment (EA) | Yes - All |
| Q54 | Environmental Impact Statement (EIS) | Yes - All |
| Q55 | Performance Assessment (PA) | Yes - All |
| Q56 | Quality Assurance (QA) | Yes - All |
| Q57 | Safety Assessment (SA) | Yes - All |
| Q59 | If Quality Assurance is part of your Country's current, waste disposal facility licensing policy, does the QA Program conform to international standards (such as the ISO9000 series)? | Yes - All |

| Operation | | (Yes - All;Yes - Some;No) |
|-----------|--|---------------------------|
| Q60 | Does your Country have formal, documented waste acceptance criteria for its operating or proposed disposal facilities? | Yes - Some |

Comment # 7614: Preliminary waste AC for future LILW

Slovenia has preliminary waste acceptance criteria for future LILW repository (generic location).

| Post-Closure | | (Yes;No) |
|--------------|--|----------|
| Q61 | Does your Country have any written policies to address the maintenance of records that describe the design, location and inventory of waste disposal facilities? | No |
| Q63 | Does your Country have any written policies to address active institutional controls or passive institutional controls, such as monitoring or access restrictions? | Yes |
| Q65 | access restrictions | Yes |
| Q66 | drainage and/or leachate collection system(s) | Yes |
| Q67 | leachate treatment systems | Yes |
| Q68 | environmental monitoring | Yes |
| Q69 | facility monitoring | Yes |
| Q70 | surveillance | Yes |
| Q71 | plans for intervention measures during active institutional control if there is an unplanned release of radioactive materials from the disposal facility | Yes |

Policies

Country: SLOVENIA

Reporting Year: 2013

Processing/Storage

| Policies/Procedures | | (Yes;No) |
|---------------------|--|----------|
| Q73 | waste sorting/segregation | Yes |
| Q74 | waste minimization | Yes |
| Q75 | waste storage | Yes |
| Q76 | processing and/or storing and/or disposing of nuclear fuel cycle waste separately from non-nuclear fuel cycle waste (also known as nuclear applications waste) | No |
| Q78 | Does your country have any legislation, regulation, or policy that waste processing must take place prior to storage (see following note) | No |

Comment # 7615: Procedures

Operators have developed their own procedures. They are not written on National level.

Processing and storing - nuclear fuel cycle waste separately from non-nuclear fuel cycle waste.

Disposing - according to the waste type (LILW, SF, LILW LL etc.) and not according to the waste origin (from nuclear fuel cycle or non-nuclear fuel cycle).

| Implementation | | (Yes;No) |
|----------------|--|----------|
| Q80 | In your Country are there any waste processing facilities at the same location where the waste is generated? | Yes |
| Q81 | In your Country are there any centralized waste processing facilities? | Yes |
| Q82 | In your Country are there any mobile waste processing facilities? | No |

| Foreign | | (Yes;No) |
|---------|---|----------|
| Q121 | Has your country sent any wastes or spent fuel to another country for processing (reprocessing for fuel)? | Yes |
| Q122 | Will some or all of the product(s) of processing/reprocessing be returned to your country? | Yes |
| Q123 | Currently, are any of your country's wastes (processed or unprocessed, including the products of reprocessing) or spent fuel being stored in another country? | No |
| Q124 | Has your country accepted any wastes or spent fuel from another country for processing (reprocessing for fuel)? | No |

Policies

Country: SLOVENIA

Reporting Year: 2013

Spent/Disused SRS

| Registration | | (Yes;No) |
|---------------------------|---|-----------------|
| Q84 | Is there a national level registry? | Yes |
| Q85 | If answer was yes, is the registry used only for disused/spent SRS? | No |
| Q87 | Are there regional-level registries (one or more)? | No |
| Q90 | Are there local-level registries (one or more)? | No |
| Procedures | | (Yes;No) |
| Q91 | Does your Country have documented procedures in place to ensure that sealed radioactive sources (SRS) are transferred to secure facilities in a timely manner after their user declares them to be spent? | Yes |
| Agreements | | (Yes;No) |
| Q93 | Government to Government agreements | No |
| Q94 | Government - Supplier agreements | No |
| Q95 | Supplier-User agreements | Yes |
| Q97 | Do any agreements include suppliers that are outside of your Country? | Yes |
| Release / Disposal | | (Yes;No) |
| Q99 | Does your Country have any regulations to free-release spent sealed radioactive sources (SRS)? | Yes |
| Q100 | Has your Country disposed of spent SRS in existing disposal facilities for LILW or HLW waste? | No |
| Q101 | Does your Country plan to dispose of spent SRS in existing or planned disposal facilities for LILW or HLW waste? | Yes |
| Q102 | Has your Country implemented dedicated disposal facilities for spent SRS? | No |
| Q103 | Does your Country have plans to implement dedicated disposal facilities for spent SRS? | No |

Policies

Country: SLOVENIA

Reporting Year: 2013

Import-Export

Radioactive Waste

(Yes;No)

Q104 Does your Country have laws or Regulations restricting either the import or export of radioactive waste (excluding spent fuel)? No

Comment # 7639: Comment

There are certain requirements by other mechanisms.

Spent Fuel

(Yes;No)

Q105 Does your Country have laws or Regulations restricting either the import or export of spent fuel? No

Comment # 7640: There are limitations by other mechanisms.

Liquid HLW

Storage

(Yes;No)

Q106 Does your Country have high-level liquid wastes in storage? No

UMMT

Responsibility

(Yes;No)

Q110 Does your Country have any Uranium Mine and Mill Tailings sites that do not have a designated authority to manage them? No

Decommissioning

Funding

(Yes - All;Yes - Some;No)

Q111 Does your Country require that funds should be set aside in support of future waste management activities, such as decommissioning activities? Yes - All

Comment # 29582: Decommissioning funds for NPP Krško

In 2003 Agreement between the governments of Slovenia and Croatia on the status and other legal issues related to investment, exploitation, and decommissioning of the Nuclear power plant Krško was ratified by both sides. Both contracting parties will regularly contribute into special national funds in the amount estimated in jointly prepared programs. Each fund will finance half of all the activities related to decommissioning of NPP Krško and to joint management of RW and SF.

Facilities

(Yes;No)

Q119 Does Your Country have any nuclear fuel cycle facilities? No

Q120 Does Your Country have any nuclear applications facilities (non fuel cycle facilities)? No

Radionuclide Inventory by Waste Class

Country: SLOVENIA

Reporting Year: 2013

No data available.

No data available.

Spent Fuel Inventory

Country: SLOVENIA

Reporting Year: 2013

Spent Fuel in Storage

| | |
|-------------------|-----|
| Spent Fuel (tHM): | 450 |
|-------------------|-----|

Spent Fuel in Disposal**No data available.**

Waste Management Infrastructure and Financing

Country: SLOVENIA

Reporting Year: 2013

National Infrastructure

| | |
|----------------------------------|---|
| Nuclear Energy Context: | |
| Research & Development: | |
| Policies and Programs: | |
| Decommissioning and Dismantling: | |
| Legal Framework: | <p>The main law of the Republic of Slovenia in this area is the Ionising Radiation Protection and Nuclear Safety Act (the 2002 Act) which also regulates radioactive waste and spent fuel management. The Act was amended in 2003, 2004 and 2011. The next amendment of the 2002 Act is foreseen for 2015. The proposed amendments contain provisions on governing the implementation of different public services (management of radioactive waste, disposal of radioactive waste, long-term monitoring and maintenance of repositories of mining and hydro-metallurgical tailings). The proposed amendments clearly define the obligations of the Agency for Radwaste Management, that carries out all the above activities, as well as its rights in the proceedings in which is undoubtedly expressed her legal interest (e.g. closure of the repository, where it will later perform a public service for long-term monitoring and maintenance).</p> <p>In 2006, the Minister of the Environment and Spatial Planning adopted the Rules on Radioactive Waste and Spent Fuel Management.</p> <p>In 2006, the Parliament of the Republic of Slovenia passed the Resolution on the 2006–2015 National Programme for Managing Radioactive Waste and Spent Nuclear Fuel (Official Gazette of the Republic of Slovenia, No. 15/2006). This Programme is a part of the National Environment Protection Programme and sets goals and tasks in the field of radioactive waste and spent nuclear fuel management. Update of resolution for period 2016-2025 is in progress and will be adopted by the end of 2015.</p> |
| Planned Improvements: | |

National Financing

| | |
|------------------------|--|
| Nuclear installations: | |
| Legacy Wastes: | |
| Medical installations: | |
| Extractive Industries: | |
| Additional Comments: | |

Waste Management Organisations

Country: SLOVENIA

Reporting Year: 2013

| | |
|-------------------|--------|
| Name: | |
| Full Name: | |
| Description: | |
| Address: | |
| Main Website: | |
| Year Established: | 1 |
| Legal Nature: | Public |

Waste Management Strategies

Country: SLOVENIA

Reporting Year: 2013

| | |
|--------------------|--|
| Waste Class | |
| Strategy | |

Waste Management Responsibility

Country: SLOVENIA

Reporting Year: 2013

| | |
|--|--|
| Waste Class: | |
| Regulatory Authority: | |
| Treatment/Conditioning of Radioactive Waste: | |
| Transport of Radioactive Waste: | |
| Development/operation of interim Storage Facilities: | |
| Development/operation of Disposal Facilities: | |
| Waste Management Organisation: | |
| Additional Comments: | |

Main Waste Producers

Country: SLOVENIA

Reporting Year: 2013

| | |
|---------------|--|
| Name: | |
| Full Name: | |
| Description: | |
| Address: | |
| Main Website: | |

Future Outlook

Country: SLOVENIA

Reporting Year: 2013

Outlook for the year: 2030

Data not available.

Outlook for the year: 2050

Data not available.

Outlook for the year: 2100

Data not available.