

## Policies

Country: SLOVENIA

Reporting Year: 2005

## National Systems

Policy	(Yes;Partially;No)
Q14 Has your Country implemented a national policy for radioactive waste management?	Partially
Comment <b># 7612: HLW and SNF Management Strategy</b>	
In 1996 the Slovenian Government accepts the High Level Waste and Spent Fuel Management Strategy prepared by ARAO.	
The preparation of a long-term spent fuel management program for the Krško NPP's fuel was strongly influenced by the specific situation in Slovenia:	
<ul style="list-style-type: none"> <li>- a small nuclear program (only one NPP).</li> <li>- the planned phasing out of nuclear energy after 2023 (at the end of the scheduled lifetime of the Krško NPP).</li> <li>- the unresolved question of co-ownership with neighbouring Croatia (this is still the subject of negotiations between the two Governments): sharing the spent fuel and other radioactive waste is an open possibility.</li> </ul>	
In the strategy of long-term spent fuel management a deferred final decision is recommended as the only reasonable solution in the present situation. A deferred decision does not only delay the final solution but also gives negotiators sufficient time to reach an agreement between the co-owners without additional pressures. It also gives the possibility to reconsider different options including the possibility of the reprocessing of spent fuel, as well as new technological developments. This provides the opportunity of responding to and joining the project of a regional repository, if this idea, which seems so attractive to countries with small nuclear programs, is realised.	
In this strategy the short-term solutions for spent fuel storing are also included. In the first stage an increase of the existing capacity of the spent fuel pool at Krško NPP is proposed. If such an increase in pool capacity will not be sufficient, interim dry storage in casks on-site is proposed as an additional option.	
Reference: <a href="http://www.sigov.si/cgi-bin/spl/ursjv/porocila/ang/National_Reports.html">http://www.sigov.si/cgi-bin/spl/ursjv/porocila/ang/National_Reports.html</a>	
Comment <b># 7613: The Decom. Fund and Decom. Plan for Krsko NPP</b>	
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.	
The Decommissioning Plan for Krsko NPP was adopted by the Government in September 1996. Three decommissioning strategies for the Krško NPP are analyzed:	
<ul style="list-style-type: none"> <li>- immediate dismantling,</li> <li>- later dismantling and</li> <li>- entombment.</li> </ul>	
For the purpose of cost assessment for the decommissioning of NPP Krsko and the estimation of the contribution to the decommissioning fund, the above options were evaluated from radiological, safety, financial and political aspects. The results have shown that the option, with immediate dismantling is most appropriate.	
Strategies	(Yes;Partially;No)
Q15 Has your country developed strategies to implement a national policy?	Partially

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<b>Requirements</b>		<b>(Yes;Partially;No)</b>
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
<b>Responsibilities</b>		<b>(Complete;Incomplete)</b>
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

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<b>Activities</b>		<b>(Yes;Partially;No)</b>
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
<b>Clearance</b>		<b>(Yes;No)</b>
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

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## 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

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## Processing/Storage

Policies/Procedures		(Yes;No)
Q73	waste sorting/segregation	No
Q74	waste minimization	No
Q75	waste storage	No
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: Comments

Operators have written their own procedures.

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

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**Spent/Disused SRS**

<b>Registration</b>		<b>(Yes;No)</b>
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
<b>Procedures</b>		<b>(Yes;No)</b>
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
<b>Agreements</b>		<b>(Yes;No)</b>
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
<b>Release / Disposal</b>		<b>(Yes;No)</b>
Q99	Does your Country have any regulations to free-release spent sealed radioactive sources (SRS)?	No
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

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**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

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## Decommissioning

<b>Funding</b>		<b>(Yes - All;Yes - Some;No)</b>
Q111	Does your Country require that funds should be set aside in support of future waste management activities, such as decommissioning activities?	Yes - All

  

<b>Facilities</b>		<b>(Yes;No)</b>
Q119	Does Your Country have any nuclear fuel cycle facilities?	Yes
Q120	Does Your Country have any nuclear applications facilities (non fuel cycle facilities)?	Yes

  

<b>Timeframe</b>		<b>(Yes - All;Yes - Some;No)</b>
Q112	Does your Country require a time frame for the decommissioning of nuclear fuel cycle facilities once these facilities cease operation?	Yes - Some
Q113	Does your Country require a time frame for the decommissioning of non-nuclear fuel cycle facilities once these facilities cease operation?	No