



Country Waste Profile Report for SLOVAKIA 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: SLOVAKIA

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

Attachment **#129: Waste Matrix**

Development of Waste Classification Framework for Reporting Slovakian Waste Management Data to IAEA.doc

Development of Waste Classification Framework for Reporting Slovakian Waste Management Data to IAEA

Attachment **#131: Waste Matrix**

198 po korekt AJ.doc

Transport regulation

Definition of «unprocessed waste» and «processed waste»:

This country uses the IAEA standard definition:

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

Groups Overview

Country: SLOVAKIA

Reporting Year: 2013

Reporting Group:	01 RG
Inventory Reporting Date:	December 2013
Waste Matrix Used:	IAEA Def.
Description:	Nuclear Regulatory Authority of the Slovak republic

Site Name	Facility Name	Facilities Defined		
NPP EBO	BSRSF	processing	storage	
	BTCC	processing		
	NPP A-1		storage	
	NPP V-1	processing	storage	
	NPP V-2	processing	storage	
NPP EMO	NPP EMO1,2		storage	
RU RAO	RU RAO			disposal

Reporting Group:	03 RG
Inventory Reporting Date:	December 2013
Waste Matrix Used:	IAEA Def.
Description:	VÚJE, Plc.- engineering, project and research organization

Site Name	Facility Name	Facilities Defined		
VÚJE	EBL	processing		
	ESL	processing		

Reporting Group:	National Total
Inventory Reporting Date:	December 2013
Waste Matrix Used:	IAEA Def.
Description:	

Site Name	Facility Name	Facilities Defined		
NT	ND			disposal
	NS		storage	

Site (Structure) : NPP EBO

Country: SLOVAKIA

Reporting Year: 2013

Full Name: NPP Jaslovske Bohunice

Description:

Official Website:

License Holder(s): Slovenske Elektrarne, a.s.
Hranicna 12
827 36 Bratislava 212

Waste management facilities that are located at this site:

Facility:	BSRSF
Description:	SRS 2003 Bohunice Sealed Radioactive Sources Facility

Storage part of facility BSRSF

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:	Sufficient capacity until a new Integral Storage will be built at the territory of NPP A-1
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Types of Storage Units

Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
MPV-256	tile hole	2000	No	No	No	Yes

Site (Structure) : NPP EBO

Country: SLOVAKIA

Reporting Year: 2013

Processing part of facility **BSRSF**

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:	2001

Site (Structure) : NPP EBO

Country: SLOVAKIA

Reporting Year: 2013

Facility:	BTCC		
Description:	Bohunice Treatment and Conditioning Complex		
Processing part of facility	BTCC		
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:	1999		

Site (Structure) : NPP EBO

Country: SLOVAKIA

Reporting Year: 2013

Facility:	NPP A-1
Description:	NPP A-1 Waste Storage

Storage part of facility**NPP A-1**

The following shows storage status for waste classes and SRS.

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

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?
LILWStor.	pool	1972	No	Yes	No	No
LILWStor.	tank (concrete)	1972	No	No	No	No
LILWStor.	tank (stainless steel)	1972	No	No	No	No
LILWStor.	trench (lined)	1972	No	Yes	No	No
LILWStor.	building	1972	No	No	No	No
LILWStor.	building	1972	No	No	No	No

Site (Structure) : NPP EBO

Country: SLOVAKIA

Reporting Year: 2013

Facility:	NPP V-1
Description:	Nuclear Power Plant V-1 Waste Storage - was planned for 30 years operation

Storage part of facility NPP V-1

The following shows storage status for waste classes and SRS.

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

List SRS?	No
List UMMT?	No

Capacity:	Nuclear Power Plant V-1 Waste Storage - was planned for 30 years operation
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Types of Storage Units

Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
LILWS-1	shaft	1978	No	No	No	No
LILWS-2	tank (stainless steel)	1978	No	No	No	No

Processing part of facility NPP V-1

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
Year opened:	1978

Site (Structure) : NPP EBO

Country: SLOVAKIA

Reporting Year: 2013

Facility:	NPP V-2
Description:	Nuclear Power Plants V-2 Waste Storage

Storage part of facility**NPP V-2**

The following shows storage status for waste classes and SRS.

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

List SRS?	No
List UMMT?	No

Capacity:	Nuclear Power Plants V-2 Waste Storage - was planned for 35 years operation
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Types of Storage Units

Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
LILWS-1	shaft	1984	No	No	No	No
LILWS-2	tank (stainless steel)	1984	No	No	No	No

Processing part of facility**NPP V-2**

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
Year opened:	1984

Site (Structure) : NPP EMO

Country: SLOVAKIA

Reporting Year: 2013

Full Name: NPP Mochovce

Description:

Official Website:

License Holder(s): Slovenske Elektrarne, a. s.
Hranicna 12
827 36 Bratislava 212

Waste management facilities that are located at this site:

Facility:	NPP EMO1,2
Description:	Nuclear Power Plant EMO 1,2 Waste Storage

Storage part of facility NPP EMO1,2

The following shows storage status for waste classes and SRS.

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

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?
LILWStor.	tank (stainless steel)	1998	No	No	No	No
LILWStor.	shaft	1998	No	No	No	No

Site (Structure) : RU RAO

Country: SLOVAKIA

Reporting Year: 2013

Full Name: Near Surface Disposal Facility

Description:

Official Website:

License Holder(s): Slovenske Elektrarne, a.s.
Hranicna 12
827 36 Bratislava 212

Waste management facilities that are located at this site:

Site (Structure) : RU RAO

Country: SLOVAKIA

Reporting Year: 2013

Facility:	RU RAO
Description:	Republikove Ulozisko Radioaktivnych Odpadov

Disposal part of facility **RU RAO**

The following shows disposal status for waste classes and SRS.

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

List SRS?	No
List UMMT?	No

Type:	engineered surface		
Facility is modular?	Yes		
Capacity existing (m3):	11160	Capacity planned (m3):	22320

Depth (m):	-2 to +3.5	Host medium:	crystalline rock (basalt)
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Phase Name	Start Year	End Year	Estimate
planning and/or concept assessment	1971	1975	False
site selection	1975	1978	False
design	1981	1997	False
construction	1986	1999	False
commissioning	1999	2001	False
operation	2001		False
EVENT: operating license granted	2001		False

Site (Structure) : VÚJE

Country: SLOVAKIA

Reporting Year: 2013

Full Name: Výskumný ústav jadrových elektrární,Plc.-engineering, project and research organisation

Description:

Official Website:

License Holder(s): VUJE, a. s.
Okružná 5
918 64 Trnava
Slovak Republik

Waste management facilities that are located at this site:

Facility:	EBL	
Description:	Experimental Bituminization Facility	
Processing part of facility		
	EBL	
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:	1984	

Site (Structure) : VÚJE

Country: SLOVAKIA

Reporting Year: 2013

Facility:	ESL															
Description:	Experimental Incineration Facility															
Processing part of facility	ESL															
The following shows processing status for waste classes and SRS.																
<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>No</td><td>No</td></tr><tr><td>ILW</td><td>No</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	No	No	ILW	No	No	HLW	No	No	
Waste Class	Actual	Planned														
VLLW	No	No														
LLW	No	No														
ILW	No	No														
HLW	No	No														
Type:	Treatment, Conditioning															
Year opened:	1986															

Site (Structure) : NT

Country: SLOVAKIA

Reporting Year: 2013

Full Name:

Description:

Official Website:

License Holder(s):

Waste management facilities that are located at this site:

Facility:	ND		
Description:			
Disposal part of facility	ND		
The following shows disposal status for waste classes and SRS.			
Waste Class	Actual	Planned	
VLLW	No	No	
LLW	Yes	No	
ILW	No	No	
HLW	No	No	
List SRS?	No		
List UMMT?	No		
Type:	engineered near surface		
Facility is modular?	No		
Depth (m):		Host medium:	unknown (site not selected)
Phase Name	Start Year	End Year	Estimate

Site (Structure) : NT

Country: SLOVAKIA

Reporting Year: 2013

Facility:	NS		
Description:			
Storage part of facility NS			
The following shows storage status for waste classes and SRS.			
Waste Class	Actual	Planned	
VLLW	Yes	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: SLOVAKIA

Reporting Year: 2013

Site Name: NT

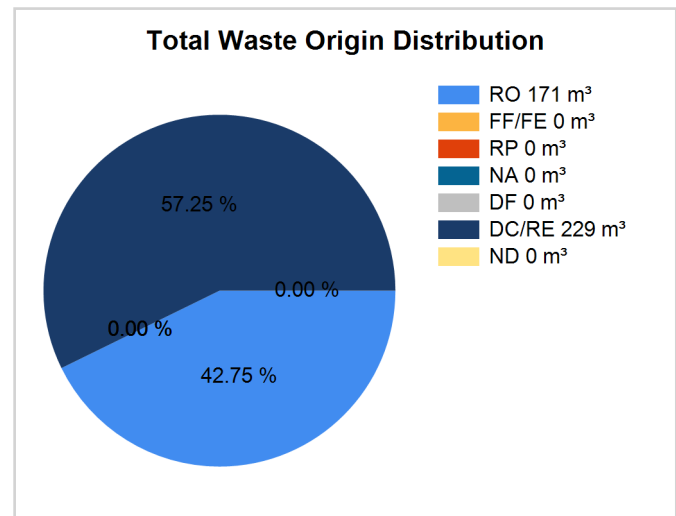
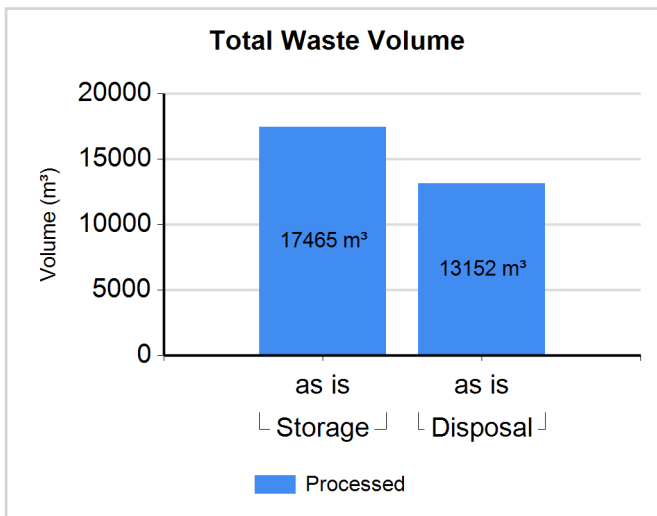
Full Name:

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: VLLW

Waste Class Name	Location / Facility	Proc	Est.	Volume "as is" (m³)	Volume "as dispo" (m³)	RO %	FF/FE %	RP %	NA %	DF %	DC/RE %	ND %
VLLW	Storage	Y	N	9043.000	9043.000	0.00	0.00	0.00	0.00	0.00	100.00	0.00

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	Y	N	8397.000	8397.000	2.00	0.00	0.00	0.00	0.00	98.00	0.00
LLW	Disposal	Y	N	13152.000	13152.000	69.00	0.00	0.00	0.00	0.00	31.00	0.00

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	Y	N	25.000	25.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00

Regulators

Country: SLOVAKIA

Reporting Year: 2013

Name:	NRA SR
Full Name:	Nuclear Regulatory Authority of the Slovak Republic/ Urad jadroveho dozoru SR
Divison:	Low and Intermediate Level Waste Management, Including Decommissioning
City or Town:	Bratislava, division in Trnava
Main Website:	

Name:	MZ SR
Full Name:	Public Health Authority of the Slovak Republic under Ministry of Health of the Slovak Republic/Urad verejneho zdravotnictva SR
Divison:	Division of Radiological Protection
City or Town:	Bratislava
Main Website:	

Regulations / Laws

Country: SLOVAKIA

Reporting Year: 2013

Name:	Z 541/2004	
Title or Name:	Law No. 541/2004 Coll. on the peaceful use of nuclear energy	
Reference Number:	Law No. 541/2004 Coll.	
Date Promulgated or Proclaimed:	9/9/2004	Law

Name:	12/2001	
Title or Name:	Regulation of Ministry of Health No. 12/2001 Coll on Requirements for Radiation Safety Assurance	
Reference Number:	R No. 12/2001	
Date Promulgated or Proclaimed:	1/24/2001	Regulation

Attachment **#1002: Regulation**

Regulation No. 12-2001 Coll. on Requirements for Radiation Safety Assurance.pdf

This Regulation exists only in Slovak version.

Name:	V 46/2006	
Title or Name:	Regulation No. 46/2006 Coll. on dual-use goods, which are under the UJD SR supervision	
Reference Number:	UJD SR Regulation No. 46/2006	
Date Promulgated or Proclaimed:	1/12/2006	Regulation

Comment **# 14755: Regulation V 46/2006**Links to the unofficial translations of the drafted UJD regulations into all EU official languages are available at <http://www.ujd.gov.sk/AMIS/www/ujd.nsf>

Name:	V 47/2006	
Title or Name:	Regulation No. 47/2006 Coll. on maximum limits of small quantities of nuclear material subject to exclusion from the third party liability regime	
Reference Number:	UJD SR Regulation No. 47/2006	
Date Promulgated or Proclaimed:	1/12/2006	Regulation

Comment **# 14756: Regulation V 47/2006**Links to the unofficial translations of the drafted UJD regulations into all EU official languages are available at <http://www.ujd.gov.sk/AMIS/www/ujd.nsf>

Name:	V 48/2006	
Title or Name:	Regulation No. 48/2006 Coll. on details of notification of operational events and events during shipment, as well as details of investigation of their reasons	
Reference Number:	UJD SR Regulation No. 48/2006	
Date Promulgated or Proclaimed:	1/12/2006	Regulation

Regulations / Laws

Country: SLOVAKIA

Reporting Year: 2013

Name:	V 49/2006	
Title or Name:	Regulation No. 49/2006 Coll. on periodic nuclear safety review	
Reference Number:	UJD SR Regulation No. 49/2006	
Date Promulgated or Proclaimed:	1/12/2006	Regulation

Comment **# 14758: Regulation V 49/2006**

Links to the unofficial translations of the drafted UJD regulations into all EU official languages are available at <http://www.ujd.gov.sk/AMIS/www/ujd.nsf>

Name:	V 50/2006	
Title or Name:	Regulation No. 50/2006 on details concerning the nuclear safety requirements for nuclear installations in respect of their siting, design, construction, commissioning, operation, decommissioning and closure of repository, as well as criteria for categorisation of classified equipment into safety classes	
Reference Number:	UJD SR Regulation No. 50/2006	
Date Promulgated or Proclaimed:	1/12/2006	Regulation

Comment **# 14759: Regulation V 50/2006**

Links to the unofficial translations of the drafted UJD regulations into all EU official languages are available at <http://www.ujd.gov.sk/AMIS/www/ujd.nsf>

Name:	V 51/2006	
Title or Name:	Regulation No. 51/2006 Coll. on details concerning requirements for provision of physical protection	
Reference Number:	UJD SR Regulation No. 51/2006	
Date Promulgated or Proclaimed:	1/12/2006	Regulation

Comment **# 14760: Regulation V 51/2006**

Links to the unofficial translations of the drafted UJD regulations into all EU official languages are available at <http://www.ujd.gov.sk/AMIS/www/ujd.nsf>

Name:	V 52/2006	
Title or Name:	Regulation No. 52/2006 Coll. on professional competency	
Reference Number:	UJD SR Regulation No. 52/2006	
Date Promulgated or Proclaimed:	1/12/2006	Regulation

Comment **# 14761: Regulation V 52/2006**

Links to the unofficial translations of the drafted UJD regulations into all EU official languages are available at <http://www.ujd.gov.sk/AMIS/www/ujd.nsf>

Regulations / Laws

Country: SLOVAKIA

Reporting Year: 2013

Name:	V 53/2006	
Title or Name:	Regulation No. 53/2006 Coll. on details concerning requirements for provision of physical protection	
Reference Number:	UJD SR Regulation No. 53/2006	
Date Promulgated or Proclaimed:	1/12/2006	Regulation

Comment **# 14762: Regulation V 53/2006**

Links to the unofficial translations of the drafted UJD regulations into all EU official languages are available at <http://www.ujd.gov.sk/AMIS/www/ujd.nsf>

Name:	V 54/2006	
Title or Name:	Regulation No. 54/2006 Coll. on accountancy for and control of nuclear material as well as notification of selected activities	
Reference Number:	UJD SR Regulation No. 54/2006	
Date Promulgated or Proclaimed:	1/12/2006	Regulation

Comment **# 14763: Regulation V 54/2006**

Links to the unofficial translations of the drafted UJD regulations into all EU official languages are available at <http://www.ujd.gov.sk/AMIS/www/ujd.nsf>

Name:	V 55/2006	
Title or Name:	Regulation No. 55/2006 Coll. on details concerning emergency planning in case of nuclear incident or accident	
Reference Number:	UJD SR Regulation No. 55/2006	
Date Promulgated or Proclaimed:	1/12/2006	Regulation

Comment **# 14764: Regulation V 55/2006**

Links to the unofficial translations of the drafted UJD regulations into all EU official languages are available at <http://www.ujd.gov.sk/AMIS/www/ujd.nsf>

Name:	V 56/2006	
Title or Name:	Regulation No. 56/2006 Coll. on details concerning requirements for quality system documentation of authorisation holder, as well as details concerning quality requirements for nuclear installations, details concerning quality requirements for classified equipment and details concerning the scope of their approval	
Reference Number:	UJD SR Regulation No. 56/2006	
Date Promulgated or Proclaimed:	1/12/2006	Regulation

Comment **# 14765: Regulation V 56/2006**

Links to the unofficial translations of the drafted UJD regulations into all EU official languages are available at <http://www.ujd.gov.sk/AMIS/www/ujd.nsf>

Regulations / Laws

Country: SLOVAKIA

Reporting Year: 2013

Name:	V 57/2006	
Title or Name:	Regulation No. 57/2006 Coll. on details concerning the requirements for shipment of radioactive material	
Reference Number:	UJD SR Regulation No. 57/2006	
Date Promulgated or Proclaimed:	1/12/2006	Regulation

Comment **# 14766: Regulation V 57/2006**

Links to the unofficial translations of the drafted UJD regulations into all EU official languages are available at <http://www.ujd.gov.sk/AMIS/www/ujd.nsf>

Name:	V 58/2006	
Title or Name:	Regulation No. 58/2006 Coll. on details concerning the scope, content and method of preparation of nuclear installation documentation needed for decisions	
Reference Number:	UJD SR Regulation No. 58/2006	
Date Promulgated or Proclaimed:	1/12/2006	Regulation

Comment **# 14767: Regulation V 58/2006**

Links to the unofficial translations of the drafted UJD regulations into all EU official languages are available at <http://www.ujd.gov.sk/AMIS/www/ujd.nsf>

Name:	Z 126/2006	
Title or Name:	Act No. 126/2006 Coll. on Public Health Services	
Reference Number:	Act No. 126/2006 Coll.	
Date Promulgated or Proclaimed:	2/2/2006	Law

Attachment **#1422: Regulation**

Law No. 126-2006 on the public health protection - Slovak version.pdf

Name:	NV334/2006	
Title or Name:	Governmental Regulation No. 334/2006 on details on Management of Institutional Radioactive Waste	
Reference Number:	Governmental Regulation No. 334/2006 Coll.	
Date Promulgated or Proclaimed:	5/17/2006	Regulation

Attachment **#1423: Regulation**

Nariadenie vlady SR c. 334 zo 17.5.2006 o podrobnostiach o nakladani s IRAO.pdf

Available only in the Slovak version.

Regulations / Laws

Country: SLOVAKIA

Reporting Year: 2013

Name:	NV345/2006	
Title or Name:	Governmental Regulation No. 345/2006 Coll. on Public Health Protection Requirements	
Reference Number:	Governmental Regulation No. 345/2006 Coll.	
Date Promulgated or Proclaimed:	5/10/2006	Regulation

Attachment **#1424: Regulation**

Nariadenie vlady SR c. 345 z 10.5.2006 o zakladnych bezp. poziadavkach na ochranu zdravia pracovníkov a obyvateľov.pdf

Available only in the Slovak version.

Name:	NV348/2006	
Title or Name:	Governmental Regulation No. 348/2006 on the control of high-activity sealed radioactive sources and orphan sources	
Reference Number:	Governmental Regulation No. 348/2006	
Date Promulgated or Proclaimed:	5/17/2006	Regulation

Attachment **#1425: Regulation**

Nariadenie vlady SR c. 348 zo 17.5.2006 o poziadavkach na zabezpečenie kontroly vysokoaktívnych ziaricov a opustených ziaricov.pdf

Available only in the slovak version.

Name:	NV349/2006	
Title or Name:	Governmental Regulation No. 349/2006 Coll. on details concerning the radiation protection requirements for shipment of radioactive substances and radioactive materials	
Reference Number:	Governmental Regulation No. 348/2006 Coll.	
Date Promulgated or Proclaimed:	5/17/2006	Regulation

Attachment **#1426: Regulation**

Nariadenie vlady SR c. 349 zo 17.5.2006 o poziadavkach na zabezpečenie radiačnej ochrany pri preprave ra-ziaricov a ra-latok.pdf

Available only in the Slovak version.

Milestones

Country: SLOVAKIA

Reporting Year: 2013

Start Year or Reference Year:	2004	End Year:	2008
Description of Milestone:			
<p>In 2008, a new locality at the territory of Bohunice site was found for a siting of an integral storage facility, because the former locality was indicated as an acceptable one for a possible siting of a new NPP. The Integral Storage is dedicated for safe storage of processed radioactive waste from decommissioning of NPP A-1, NPP V-1, NPP V-2 in Jaslovské Bohunice and for radwaste which do not comply with waste acceptance criteria for Mochovce National Near Surface Repository. The legal proceedings for a siting of the Integral Storage has started again.</p>			
Start Year or Reference Year:	2003	End Year:	2008
Description of Milestone:			
<p>At the end of 2003 was issued UJD Permission No. 236/2003 for design and construction of a new Final Centre for Conditioning and Treatment of Liquid Radioactive Waste in Mochovce. The construction portion was finished in 2006. In 2007, UJD SR issued authorisation for trial operation of Final Centre for Conditioning and Treatment of Liquid Radioactive Waste in Mochovce.</p>			
Start Year or Reference Year:	2000	End Year:	2008
Description of Milestone:			
<p>The Bituminisation Facility PS 100 was commissioned in 2000. Its commissioning was approved by the Decision of the Nuclear Regulatory Authority of the Slovak Republic No. 124/2000. Its operation was approved by Decision of the Nuclear Regulatory Authority of the Slovak republic No. 11/2002. Since 2006, license was renewed as a part of nuclear installation "Technologies for treatment and conditioning of RAW".</p>			
Start Year or Reference Year:	1999	End Year:	2008
Description of Milestone:			
<p>The Bohunice Treatment and Conditioning Complex was commissioned in 1999. Its commissioning was approved by Decisions of Nuclear Regulatory Authority of the Slovak Republic No. 416/1999 and No. 111/2000. Operational authorisation for Bohunice Treatment and Conditioning Complex was issued by UJD at the beginning of 2001 by Decision No.5/2001. Since 2006, license was renewed as a part of nuclear installation "Technologies for treatment and conditioning of RAW".</p>			
Start Year or Reference Year:	1999	End Year:	2008
Description of Milestone:			
<p>The National Near Surface Repository in Mochovce is determined for disposal of low and intermediate level short-lived radwaste in special fibre reinforced concrete (FRC) containers as additional engineering barrier of repository. The repository construction was finished in November 1992. Modifications of facility as well as additional documentation recommended by IAEA experts mission were finished in 1998 - 1999. Its commissioning was approved by the Decision of the Nuclear Regulatory Authority of the Slovak Republic No. 335/1999. Then after assessment of repository commissioning report, in September 2001, UJD issued permission for operation of its first double row. In 2006, license was updated due to changes in organisational structure.</p>			

Milestones

Country: SLOVAKIA

Reporting Year: 2013

Start Year or Reference Year:	1995	End Year:	2008
Description of Milestone:			
<p>The Bituminisation Facility PS 44 has been in operation since 1995. Its operation was approved by the Decision of the Nuclear Regulatory Authority of the Slovak Republic No. 122/1995. Since 2006, license was renewed as a part of nuclear installation "Technologies for treatment and conditioning of RAW".</p>			
Start Year or Reference Year:	1987	End Year:	2008
Description of Milestone:			
<p>The Experimental Incinerator with additional cementation facility was used only for experimental purposes since 1987 and Decisions of the Nuclear Regulatory Authority of the Slovak Republic which approved its operation were extended every three years. The last Decision which approved its operation was No. 34/2003. Since 31.12.2004 this facility is out of operation. UJD SR decision on decommissioning of this facility was issued in 2006.</p>			
Start Year or Reference Year:	1986	End Year:	2008
Description of Milestone:			
<p>The Experimental Bituminisation Facility was in operation since 1986 and Decisions of the Nuclear Regulatory Authority of the Slovak Republic that approved its operation were extended every three years. The last Decision, which approved its operation, was No. 93/2001. Since 31.12.2004 this facility is out of operation. UJD SR decision on decommissioning of this facility was issued in 2006.</p>			

Policies

Country: SLOVAKIA

Reporting Year: 2013

National Systems

Policy		(Yes;Partially;No)
Q14	Has your Country implemented a national policy for radioactive waste management?	Yes
Attachment	#1000: Questionnaire	
	Atómový zákon è. 541-2004 Z. z..pdf	
	A new Atomic Act was issued in September 2004.	
Attachment	#1427: Questionnaire	
	AtomicAct.pdf	
	English version of the Slovak Atomic Act.	

Strategies		(Yes;Partially;No)
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Q15	Has your country developed strategies to implement a national policy?	Yes
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Requirements		(Yes;Partially;No)
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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	Partially
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: SLOVAKIA

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)?	Yes

Policies

Country: SLOVAKIA

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 - All
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?	Yes
Q62	If the answer to the previous question was YES, does your Country have any policies, laws or regulations that prescribe what records are to be maintained?	Yes
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: SLOVAKIA

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
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?	Yes
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?	No
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: SLOVAKIA

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)?	Yes
Q88	If the answer was yes, are any registries used only for disused/spent SRS?	No
Q90	Are there local-level registries (one or more)?	Yes
Q115	If the answer was yes, are any registries used only for disused/spent SRS?	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?	No
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

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)?	Yes
Spent Fuel		(Yes;No)
Q105	Does your Country have laws or Regulations restricting either the import or export of spent fuel?	Yes

Country: SLOVAKIA

Reporting Year: 2013

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

Facilities**(Yes;No)**

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

Timeframe**(Yes - All;Yes - Some;No)**

Q112 Does your Country require a time frame for the decommissioning of nuclear fuel cycle facilities once these facilities cease operation? No

Q113 Does your Country require a time frame for the decommissioning of non-nuclear fuel cycle facilities once these facilities cease operation? No

Radionuclide Inventory by Waste Class

Country: SLOVAKIA

Reporting Year: 2013

No data available.

No data available.

No data available.

No data available.

Spent Fuel Inventory

Country: SLOVAKIA

Reporting Year: 2013

Spent Fuel in Storage

Spent Fuel (tHM):	1490
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Spent Fuel in Disposal
No data available.

Waste Management Infrastructure and Financing

Country: SLOVAKIA

Reporting Year: 2013

National Infrastructure

Nuclear Energy Context:	
Research & Development:	
Policies and Programs:	
Decommissioning and Dismantling:	
Legal Framework:	
Planned Improvements:	

National Financing

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

Waste Management Organisations

Country: SLOVAKIA

Reporting Year: 2013

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

Waste Management Strategies

Country: SLOVAKIA

Reporting Year: 2013

Waste Class	
Strategy	

Waste Management Responsibility

Country: SLOVAKIA

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: SLOVAKIA

Reporting Year: 2013

Name:	
Full Name:	
Description:	
Address:	
Main Website:	

Future Outlook

Country: SLOVAKIA

Reporting Year: 2013

Outlook for the year: 2030

Gross Nuclear Capacity (MW):	
Assumptions:	
Total Waste "as dispo" Volume in Storage (m ³):	26000
Total Waste Volume in Disposal (m ³):	50912
Assumptions:	
Total Spent Fuel in Storage (tHM):	2289
Total Spent Fuel in Disposal (tHM):	
Assumptions:	
Remaining Disposal Capacity for Volume of Waste (m3):	
Assumptions:	
Remaining Disposal Capacity for Spent Fuel (tHM):	
Assumptions:	

Future Outlook

Country: SLOVAKIA

Reporting Year: 2013

Outlook for the year: 2050

Gross Nuclear Capacity (MW):	
Assumptions:	
Total Waste "as dispo" Volume in Storage (m ³):	11000
Total Waste Volume in Disposal (m ³):	66644
Assumptions:	
Total Spent Fuel in Storage (tHM):	3380
Total Spent Fuel in Disposal (tHM):	
Assumptions:	
Remaining Disposal Capacity for Volume of Waste (m3):	
Assumptions:	
Remaining Disposal Capacity for Spent Fuel (tHM):	
Assumptions:	

Outlook for the year: 2100

Data not available.