Country Waste Profile Report for

MEXICO

Reporting Year: 2005

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

© International Atomic Energy Agency. This page generated at 2013-05-21 15:33:09

Waste Classification Schemes

Country: MEXICO Reporting Year: 2005

Waste Class Matrix: **IAEA Def.** This country does use the IAEA Scheme: Yes

Description: The Agency's standard matrix

	Distribution %		
Waste Class Name	LILW-SL	LILW-LL	HLW
LILW-SL	100.0	0.0	0.0
LILW-LL	0.0	100.0	0.0
HLW	0.0	0.0	100.0

Waste Class Matrix: **NOM-4-NUCL** No

Description: Mexican Official Norm NOM-004-NUCL-1994 Classification of Radioactive Waste

	Distribution %			
Waste Class Name	VLLW	LLW	ILW	HLW
NB A	100.0	0.0	0.0	0.0
NB B	0.0	100.0	0.0	0.0
NB C	0.0	100.0	0.0	0.0
INTERMEDIO	0.0	0.0	100.0	0.0
ALTO NIVEL	0.0	0.0	0.0	100.0

Attachment **#832: Waste Matrix**

DESCRIPTION OF CLASSIFICATION.pdf

Description of Mexican classification and discussion of the relation with IAEA´s scheme

---

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
Jnprocessed means:	x			
Processed means:		x	x	x

© International Atomic Energy Agency. This page generated at 2013-05-21 15:32:43

Groups Overview

Country: MEXICO Reporting Year: 2005

Reporting Group:	**CFE-CLV**
Inventory Reporting Date:	December 2005
Waste Matrix Used:	NOM-4-NUCL
Description:	Comision Federal de electricidad, Central Laguna Verde

Site Name	Facility Name	Facilities Defined		
CLV	ATS		storage	
	CLVACG1		storage	
	CLVACG2		storage	
	DDRSS		storage	
	TPCLV	processing		

Reporting Group:	**ININ**
Inventory Reporting Date:	December 2005
Waste Matrix Used:	NOM-4-NUCL
Description:	Instituto Nacional de Investigaciones Nucleares (Nuclear Research National Institute)

Site Name	Facility Name	Facilities Defined		
ININ-CADER	CADER		storage	
	CADER(T)		storage	
ININ-CN	PATRADER	processing		
PIEDRERA	PIEDRERA			disposal

Reporting Group:	**SENER**
Inventory Reporting Date:	December 2005
Waste Matrix Used:	NOM-4-NUCL
Description:	Secretaria de Energía (Energy Secretariat)

Site Name	Facility Name	Facilities Defined		
ADDER	ADDER			disposal

© International Atomic Energy Agency. This page generated at 2013-05-21 15:32:44

Site (Structure) : CLV

Country: MEXICO Reporting Year: 2005

Full Name: Central Laguna Verde (Laguna Verde Nuclear Power Plant)

License Holder(s): Comision Federal de Electricidad (Electricity Federal Commission)
Km. 46.5, carreter federal 180, Alto Lucero, Veracruz

The following list the waste management facilities that are located at this site.

Facility:	**ATS**
Description:	In site Radioactive Waste Storage (wet radioactive waste storage)

Storage part of facility **ATS**

The following shows storage status for waste classes and SRS.

Waste Class	Actual	Planned
NB A	Yes	Yes
NB B	No	No
NB C	No	No
INTERMEDIO	No	No
ALTO NIVEL	No	No

List SRS?	No
List UMMT?	No

Capacity:	ATS has a remaining capacity of 46 high integrity containers, (2 years to saturation).

Comment **# 7283: Raised capacity**

Capacity declared for ATS, takes into account in process layout and piling rearrangements of HIC´s and drums in the facility.

© International Atomic Energy Agency. This page generated at 2013-05-21 15:32:45

Site (Structure) : CLV

Country: MEXICO Reporting Year: 2005

Facility:	**CLVACG1**
Description:	Spent fuel pool Unit 1

Storage part of facility **CLVACG1**

The following shows storage status for waste classes and SRS.

Waste Class	Actual	Planned
NB A	No	No
NB B	No	No
NB C	No	No
INTERMEDIO	Yes	No
ALTO NIVEL	Yes	Yes

List SRS?	No
List UMMT?	No

Capacity:	Enough capacity for the lifetime of Laguna Verde Nuclear Power Plant Unit 1 (BWR Mark II)

© International Atomic Energy Agency. This page generated at 2013-05-21 15:32:45

Site (Structure) : CLV

Country: MEXICO Reporting Year: 2005

Facility:	**CLVACG2**
Description:	Spent fuel pool Unit 2

Storage part of facility **CLVACG2**

The following shows storage status for waste classes and SRS.

Waste Class	Actual	Planned
NB A	No	No
NB B	No	No
NB C	No	No
INTERMEDIO	Yes	No
ALTO NIVEL	Yes	Yes

List SRS?	No
List UMMT?	No

Capacity:	Enough capacity for the lifetime of Laguna Verde Nuclear Power Plant Unit 2 (BWR Mark II)

© International Atomic Energy Agency. This page generated at 2013-05-21 15:32:45

Site (Structure) : CLV

Country: MEXICO Reporting Year: 2005

Facility:	**DDRSS**
Description:	Solid dry radioactive waste storage

Storage part of facility **DDRSS**

The following shows storage status for waste classes and SRS.

Waste Class	Actual	Planned
NB A	Yes	Yes
NB B	No	No
NB C	No	No
INTERMEDIO	No	No
ALTO NIVEL	No	No

List SRS?	No
List UMMT?	No

Capacity:	DDRSS has a remaining capacity for 250 drums (aproximated saturation time, 1.3 years)

Comment **# 7282: Supercompaction**

There are plans for raising capacity of DDRSS by means of volume reduction via super compaction, which, at a ratio of 3:1, will give DDRSS enought capacity for up to 7 years.

© International Atomic Energy Agency. This page generated at 2013-05-21 15:32:45

Site (Structure) : CLV

Country: MEXICO Reporting Year: 2005

Facility:	**TPCLV**
Description:	In Plant Radioactive Waste Treatment,Central Laguna Verde

Processing part of facility **TPCLV**

The following shows processing status for waste classes and SRS.

Waste CLass	Actual	Planned
NB A	No	No
NB B	No	No
NB C	No	No
INTERMEDIO	No	No
ALTO NIVEL	No	No

Type:	Treatment, Conditioning
Year opened:	1989

© International Atomic Energy Agency. This page generated at 2013-05-21 15:32:45

Site (Structure) : CLV

Country: MEXICO Reporting Year: 2005

© International Atomic Energy Agency. This page generated at 2013-05-21 15:32:45

Site (Data) : CLV

Stock of waste as at December 2004

Country: MEXICO Reporting Year: 2005

Site Name: **CLV**

Full Name: Central Laguna Verde (Laguna Verde Nuclear Power Plant)

Inventory Reporting Date: December 2004 Waste Matrix Used: NOM-4-NUCL

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

Waste Class: **NB A**

Waste Class Name	Location / Facility	Proc	Est.	Volume (m³)	RO %	FF/FE %	RP %	NA %	DF %	DC/RE %	ND %
NB A	Storage / ATS	Y	N	1599.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00
NB A	Storage / DDRSS	N	N	494.820	100.00	0.00	0.00	0.00	0.00	0.00	0.00
NB A	Storage / DDRSS	Y	N	1560.480	100.00	0.00	0.00	0.00	0.00	0.00	0.00

Waste Class: **INTERMEDIO**

Waste Class Name	Location / Facility	Proc	Est.	Volume (m³)	RO %	FF/FE %	RP %	NA %	DF %	DC/RE %	ND %
INTERMEDIO	Storage / CLVACG1	N	N	12.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00
INTERMEDIO	Storage / CLVACG2	N	N	8.500	100.00	0.00	0.00	0.00	0.00	0.00	0.00

Processing - Treatment method(s)

	Status			
Method	Planned	R&D program	Current practice method use over the last 5 years	Past Practice
Carbon Adsorption	N	N	Same	N
Compaction	N	N	Same	N
Decontamination	Y	N		N
Evaporation	N	N	Decrease	N
Filtration	N	N	Same	N
Ion Exchange	N	N	Same	N
Membrane Technology	Y	N		N
Metal Melting	N	Y		N
Super Compaction	Y	N		N
Wastewater Treatment	Y	N		N

© International Atomic Energy Agency. This page generated at 2013-05-21 15:32:47

Site (Data) : CLV

Stock of waste as at December 2004

Country: MEXICO Reporting Year: 2005

Processing - Conditioning method(s)

Method	Status			
	Planned	R&D program	Current practice method use over the last 5 years	Past Practice
Bituminization	N	N	Decrease	N
Cementation	N	N		Y

© International Atomic Energy Agency. This page generated at 2013-05-21 15:32:47

Site (Structure) : ININ-CADER

Country: MEXICO Reporting Year: 2005

Full Name: Instituto Nacional de Investigaciones Nucleares, Centro de Almacenamiento de Desechos Radiactivos (Radioactive Waste Storage Center)

License Holder(s): Instituto Nacional de Investigaciones Nucleares.
Km. 36.5 Carretera Mexico-Toluca, Estado de MExico

The following list the waste management facilities that are located at this site.

Facility:	**CADER**
Description:	Centro de Almacenamiento de Desechos Radiactivos (Radioactive Waste Storage Center)

Storage part of facility **CADER**

The following shows storage status for waste classes and SRS.

Waste Class	Actual	Planned
NB A	Yes	No
NB B	Yes	No
NB C	No	No
INTERMEDIO	No	No
ALTO NIVEL	No	No

List SRS?	Yes
List UMMT?	No

Capacity:	Almacen 1: 219 drums and 42 sources. Almacen 2: 770 drums. Almacen 3: 100 drums (remaining capacities)

Comment **# 12112: Storage Facility CADER**

Capacity for Almacen 2 decreased considerably from 1544 to 770, this is due to a change in the stacking of drums options, in 2005, a 4 stacking lines option was adopted instead of a 5 stacking lines option.

© International Atomic Energy Agency. This page generated at 2013-05-21 15:32:50

Site (Structure) : ININ-CADER

Country: MEXICO Reporting Year: 2005

Facility:	**CADER(T)**
Description:	Trenches that are the result of a past waste disposal practice (this practice is now banned)

Storage part of facility **CADER(T)**

The following shows storage status for waste classes and SRS.

Waste Class	Actual	Planned
NB A	Yes	No
NB B	No	No
NB C	No	No
INTERMEDIO	No	No
ALTO NIVEL	No	No

List SRS?	No
List UMMT?	No

Capacity:	Trenches are closed

© International Atomic Energy Agency. This page generated at 2013-05-21 15:32:50

Site (Structure) : ININ-CADER

Country: MEXICO Reporting Year: 2005

© International Atomic Energy Agency. This page generated at 2013-05-21 15:32:50

Site (Data) : ININ-CADER

Stock of waste as at December 2005

Country: MEXICO Reporting Year: 2005

Site Name: **ININ-CADER**

Full Name: Instituto Nacional de Investigaciones Nucleares, Centro de Almacenamiento de Desechos Radiactivos (Radioactive Waste Storage Center)

Inventory Reporting Date: December 2005 Waste Matrix Used: NOM-4-NUCL

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

Waste Class: **NB A**

Waste Class Name	Location / Facility	Proc	Est.	Volume (m³)	RO %	FF/FE %	RP %	NA %	DF %	DC/RE %	ND %
NB A	Storage / CADER	Y	N	37.400	0.00	0.00	0.00	100.00	0.00	0.00	0.00

Waste Class: **NB B**

Waste Class Name	Location / Facility	Proc	Est.	Volume (m³)	RO %	FF/FE %	RP %	NA %	DF %	DC/RE %	ND %
NB B	Storage / CADER	N	N	20.940	0.00	0.00	0.00	19.00	0.00	81.00	0.00
NB B	Storage / CADER	Y	N	375.400	0.00	0.00	0.00	100.00	0.00	0.00	0.00

Comment **# 9801: Increased capacity of CADER**

In 2004 no drums were received in the CADER, however, the storage capacity of radioactive waste increased slightly in 2004, this is due to the fact that some segregation activities were carried out as a consequence of repackaging radioactive waste from deteriorated drums to new ones, (clearance criteria were applied), probably this segregation activity will span one or two more years.more.

Spent Sources <=30 years in Storage

Nuclide	Number of Sources/Total Activity of Sources (GBq)			cond	uncond	cat	Total Activity for all Groups (GBq)	Decay Date
	Group I less than or equal 4GBq	Group II m ore than 4GBq but less than or equal 4E+4GBq	Group III more than 4E+4GBqq					
	num/activity	num/activity	num/activity					
Co-60	152	578	1	Y	Y	N	5.450E+005	
	4.000E+000	4.720E+005	7.300E+004					
Cs-137	136	873		Y	Y	N	1.600E+005	
	2.100E+001	1.600E+005						
Kr-85	55			Y	N	N	1.600E+002	
	1.600E+002							
Sr-90	69			Y	N	N	4.300E+001	
	4.300E+001							

© International Atomic Energy Agency. This page generated at 2013-05-21 15:32:52

Site (Data) : ININ-CADER

Stock of waste as at December 2005

Country: MEXICO Reporting Year: 2005

Spent Sources > 30 years in Storage

Nuclide	Number of Sources/Total Activity of Sources (GBq)		cond	uncond	cat	Total Activity for all Groups (GBq)	Decay Date
	Group I less than or equal 2 GBq	Group II more than 2GBq					
	num/activity	num/activity					
Am-241	1205		Y	N	N	1.000E+003	
	1.000E+003						
Am-241	12	123	Y	N	N	1.601E+004	
	7.400E+000	1.600E+004					
Ra-226	1132		Y	Y	N	8.200E+001	
	8.200E+001						

© International Atomic Energy Agency. This page generated at 2013-05-21 15:32:52

Site (Structure) : ININ-CN

Country: MEXICO Reporting Year: 2005

Full Name: Instituto Nacional de Investigaciones Nucleares-Centro Nuclear (Nuclear Research National Institute - Nuclear Centre)

License Holder(s): Instituto Nacional de Investigaciones Nucleares (Nuclear Research National Institute)

The following list the waste management facilities that are located at this site.

Facility:	**PATRADER**
Description:	Planta de Tratamiento de Desechos Radiactivos (Radioactive Waste Treatment Plant)

Processing part of facility **PATRADER**

The following shows processing status for waste classes and SRS.

Waste CLass	Actual	Planned
NB A	No	No
NB B	No	No
NB C	No	No
INTERMEDIO	No	No
ALTO NIVEL	No	No

Type:	Treatment, Conditioning
Year opened:	1970

© International Atomic Energy Agency. This page generated at 2013-05-21 15:32:55

Site (Structure) : ININ-CN

Country: MEXICO Reporting Year: 2005

© International Atomic Energy Agency. This page generated at 2013-05-21 15:32:55

Site (Data) : ININ-CN

Stock of waste as at December 2005

Country: MEXICO Reporting Year: 2005

Site Name: **ININ-CN**

Full Name: Instituto Nacional de Investigaciones Nucleares-Centro Nuclear (Nuclear Research National Institute - Nuclear Centre)

Inventory Reporting Date: December 2005 Waste Matrix Used: NOM-4-NUCL

Processing - Treatment method(s)

Method	Status			
	Planned	R&D program	Current practice method use over the last 5 years	Past Practice
Carbon Adsorption	N	N	Same	N
Chemical Precipitation	N	N	Same	N
Compaction	N	N	Same	N
Decontamination	N	N	Same	N
Filtration	N	N	Same	N

Processing - Conditioning method(s)

Spent Sources <=30 years in Storage

Nuclide	Number of Sources/Total Activity of Sources (GBq)			Status				
	Group I less than or equal 4GBq	Group II m ore than 4GBq but less than or equal 4E+4GBq	Group III more than 4E+4GBqq	cond	uncond	cat	Total Activity for all Groups (GBq)	Decay Date
	num/activity	num/activity	num/activity					
Ba-133	10			Y	N	N	2.808E-005	
	2.808E-005							
Bi-210	1			Y	N	N	1.500E-007	
	1.500E-007							
Cd-109	8			N	Y	N	1.530E-001	
	1.530E-001							
Cf-252	6			N	Y	N	5.930E+000	
	5.930E+000							
Cf-252	15			Y	N	N	7.030E+000	
	7.030E+000							
Cm-244	16			Y	N	N	2.204E+001	
	2.204E+001							

© International Atomic Energy Agency. This page generated at 2013-05-21 15:32:57

Site (Data) : ININ-CN

Stock of waste as at December 2005

Country: MEXICO Reporting Year: 2005

Co-57	12			N	Y	N	1.150E+000	
	1.150E+000							
Co-60		59		Y	N	N	3.435E+004	
		3.435E+004						
Cs-137	257			Y	Y	N	7.380E+002	
	7.380E+002							
Fe-55	11			N	Y	N	1.340E+000	
	1.340E+000							
Ir-192		36		Y	N	N	3.877E+003	
		3.877E+003						
Kr-85		26		Y	N	N	3.368E+004	
		3.368E+004						
Na-22	2			Y	N	N	2.000E-004	
	2.000E-004							
Pb-210	2			N	Y	N	2.700E-004	
	2.700E-004							
Pm-147	1			Y	N	N	4.400E-003	
	4.400E-003							
Po-210	19			Y	N	N	9.650E-005	
	9.650E-005							
Sr-90		37		Y	N	N	7.790E+003	
		7.790E+003						
Th-228	1			Y	N	N	7.700E-005	
	7.700E-005							

© International Atomic Energy Agency. This page generated at 2013-05-21 15:32:57

Site (Data) : ININ-CN

Stock of waste as at December 2005

Country: MEXICO Reporting Year: 2005

Spent Sources > 30 years in Storage

Nuclide	Number of Sources/Total Activity of Sources (GBq)		cond	uncond	cat	Total Activity for all Groups (GBq)	Decay Date
	Group I less than or equal 2 GBq	Group II more than 2GBq					
	num/activity	num/activity					
Am-241		72	Y	N	N	7.985E+003	
		7.985E+003					
Am-241		7	Y	N	N	2.200E+002	
		2.200E+002					
Bi-207	1		N	Y	N	1.500E-007	
	1.500E-007						
C-14	7		N	Y	N	1.500E-005	
	1.500E-005						
Ni-63	2		N	Y	N	5.810E-002	
	5.810E-002						
Pu-238	6		N	Y	N	1.010E+001	
	1.010E+001						
Pu-239	2		N	Y	N	5.100E-006	
	5.100E-006						
Ra-226	17		N	Y	N	2.780E+000	
	2.780E+000						
Th-230	8		Y	N	N	4.000E-007	
	4.000E-007						
Th-232	3		Y	N	N	1.800E-004	
	1.800E-004						
U-238	1		N	Y	N	4.200E-006	
	4.200E-006						

© International Atomic Energy Agency. This page generated at 2013-05-21 15:32:57

Site (Structure) : PIEDRERA

Country: MEXICO Reporting Year: 2005

Full Name: LA PIEDRERA Radiaoctive Waste Disposal Facility

License Holder(s): Licensing in process (Institutional Control)
Responsible Entity: ININ (Nuclear Research National Institute)

The following list the waste management facilities that are located at this site.

Facility:	**PIEDRERA**
Description:	LA PIEDRERA Radioactive Waste Disposal Facility

Disposal part of facility **PIEDRERA**

The following shows disposal status for waste classes and SRS.

Waste Class	Actual	Planned
NB A	Yes	No
NB B	No	No
NB C	No	No
INTERMEDIO	No	No
ALTO NIVEL	No	No

List SRS?	No
List UMMT?	No

Type:	engineered near surface		
Facility is modular?	Yes		
Capacity existing (m3):	20858	Capacity planned (m3):	20858
Depth (m):	5	Host medium:	crystalline rock (basalt)

Phase Name	Start Year	End Year	Estimate
planning and/or concept assessment	1985	1985	False
site selection	1985	1985	False
design	1985	1985	False
construction	1985	1986	False
commissioning	1985	1986	False
operation	1985	1986	False
closure	1986	1986	False
institutional control	1998	2038	False

© International Atomic Energy Agency. This page generated at 2013-05-21 15:32:59

Site (Structure) : PIEDRERA

Country: MEXICO Reporting Year: 2005

Comment **# 7297: Radioactive Waste Disposed**

Only the radioactive waste originated in 1983 from the accident with a Co-60 source at Ciudad Juarez, is disposed in this facility.

© International Atomic Energy Agency. This page generated at 2013-05-21 15:32:59

Site (Data) : PIEDRERA

Stock of waste as at December 2005

Country: MEXICO Reporting Year: 2005

Site Name: **PIEDRERA**

Full Name: LA PIEDRERA Radiaoctive Waste Disposal Facility

Inventory Reporting Date: December 2005 Waste Matrix Used: NOM-4-NUCL

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

Waste Class: **NB A**

Waste Class Name	Location / Facility	Proc	Est.	Volume (m³)	RO %	FF/FE %	RP %	NA %	DF %	DC/RE %	ND %
NB A	Disposal / PIEDRERA	Y	N	20858.000	0.00	0.00	0.00	0.00	0.00	100.00	0.00

© International Atomic Energy Agency. This page generated at 2013-05-21 15:33:01

Site (Structure) : ADDER

Country: MEXICO Reporting Year: 2005

Full Name: Almacen Definitivo de Desechos Radiactivos de Nivel Bajo (Low Level Radioactive Waste Disposal Facility), provitional name

License Holder(s): No licence

The following list the waste management facilities that are located at this site.

Facility:	**ADDER**
Description:	Almacen Definitivo de Desechos Radiactivos de Bajo Nivel (Low Level Radioactive Waste Disposal Facility)

Disposal part of facility **ADDER**

The following shows disposal status for waste classes and SRS.

Waste Class	Actual	Planned
NB A	No	Yes
NB B	No	Yes
NB C	No	Yes
INTERMEDIO	No	No
ALTO NIVEL	No	No

List SRS?	No
List UMMT?	No

Type:	engineered near surface		
Facility is modular?	Yes		
Capacity existing (m3):	0	Capacity planned (m3):	0
Depth (m):		Host medium:	sedimentary (other)

Phase Name	Start Year	End Year	Estimate
planning and/or concept assessment	1993		False

© International Atomic Energy Agency. This page generated at 2013-05-21 15:33:04

Site (Structure) : ADDER

Country: MEXICO Reporting Year: 2005

© International Atomic Energy Agency. This page generated at 2013-05-21 15:33:04

Regulators

Country: MEXICO Reporting Year: 2005

Name:	**CNSNS GSR**
Full Name:	Comision Nacional de Seguridad Nuclear y Salvaguardias (Nuclear and Safeguards National Comission)
Divison:	Gerencia de Seguridad Radiologica (Radiological Safety Manager Office)
City or Town:	Mexico D.F.

Name:	**CNSNS GSN**
Full Name:	Comision Nacional de Seguridad Nuclear y Salvaguardias (Nuclear and Safeguards National Commission)
Divison:	Gerencia de Seguridad Nuclear (]Nuclear Safety Manager Office)
City or Town:	Mexico D.F.

© International Atomic Energy Agency. This page generated at 2013-05-21 15:33:06

Regulations / Laws

Country: MEXICO Reporting Year: 2005

Name:	**LEY 27**	
Title or Name:	Ley Reglamentaria del Articulo 27 Constitucional en Materia Nuclear (Nuclear Matters Law of Constitutional Article 27)	
Reference Number:		
Date Promulgated or Proclaimed:	1984-02-04	Law

Comment **# 5191: Wastes that are regulated by the Law**

Matrix NOM-4-NUCL - ALTO NIVEL, INTERMEDIO, NB A, NB B, NB C

Name:	**RGSR**	
Title or Name:	Reglamento General de Seguridad Radiologica (Radiological Safety General Regulation)	
Reference Number:		
Date Promulgated or Proclaimed:	1988-11-22	Regulation

Comment **# 5192: Wastes that are regulated by the Regulation**

Matrix NOM-4-NUCL - ALTO NIVEL, INTERMEDIO, NB A, NB B, NB C

Name:	**004-NUCL**	
Title or Name:	RADIOACTIVE WASTE CLASSIFICATION	
Reference Number:	NOM-004-NUCL-1994	
Date Promulgated or Proclaimed:	1996-03-04	Regulation

Comment **# 5193: Wastes that are regulated by the Norm**

Matrix NOM-4-NUCL - ALTO NIVEL, INTERMEDIO, NB A, NB B, NB C

Name:	**018-NUCL**	
Title or Name:	Methods for assessing the concentration and total activity in radioactive waste packages	
Reference Number:	NOM-018-NUCL-1996	
Date Promulgated or Proclaimed:	1996-08-12	Regulation

Comment **# 5194: Wastes that are regulated by the Norm**

Matrix NOM-4-NUCL - ALTO NIVEL, INTERMEDIO, NB A, NB B, NB C

© International Atomic Energy Agency. This page generated at 2013-05-21 15:33:06

Regulations / Laws

Country: MEXICO Reporting Year: 2005

Name:	**019-NUCL**	
Title or Name:	Acceptance criteria for waste packages for disposal of low level radioactive waste in near surface facilities	
Reference Number:	NOM-019-NUCL-1995	
Date Promulgated or Proclaimed:	1996-08-14	Regulation

Comment **# 5195: Wastes that are regulated by the Norm**

Matrix NOM-4-NUCL - NB A, NB B, NB C

Name:	**020-NUCL**	
Title or Name:	Requirements for radioactive waste incineration facilities	
Reference Number:	NOM-020-NUCL-1995	
Date Promulgated or Proclaimed:	1996-08-15	Regulation

Name:	**021-NUCL**	
Title or Name:	Leach tests for solid samples of radioactive waste	
Reference Number:	NOM-021-NUCL-1996	
Date Promulgated or Proclaimed:	1997-08-04	Regulation

Comment **# 403: Restriction of applicability**

NOM-021-NUCL-1996 applies to Low Level Radioactive Waste Class A (NB A) only when these wastes are deposited in the same disposal cell than Low Level Radioactive Waste Class B (NB B)

Comment **# 5197: Wastes that are regulated by the Norm**

Matrix NOM-4-NUCL - NB B, NB C

Name:	**022-NUCL-1**	
Title or Name:	Requirements for Near surface radioactive waste disposal facilities. Part 1, Site	
Reference Number:	NOM-022/1-NUCL-1996	
Date Promulgated or Proclaimed:	1997-09-05	Regulation

Comment **# 5198: Wastes that are regulated by the Norm**

Matrix NOM-4-NUCL - NB A, NB B, NB C

© International Atomic Energy Agency. This page generated at 2013-05-21 15:33:06

Regulations / Laws

Country: MEXICO Reporting Year: 2005

Name:	**022-NUCL-2**	
Title or Name:	Requirements for Near surface Radioactive waste disposal facilities. Part 2, Design	
Reference Number:	NOM-022/2-NUCL-1996	
Date Promulgated or Proclaimed:	1997-09-05	Regulation

Comment **# 5199: Wastes that are regulated by the Norm**

Matrix NOM-4-NUCL - NB A, NB B, NB C

Name:	**022-NUCL-3**	
Title or Name:	Requirements for Near surface Radioactive waste disposal facilities. Part 3, Operations and Closure	
Reference Number:	NOM-022/3-NUCL-1996	
Date Promulgated or Proclaimed:	1999-01-14	Regulation

Comment **# 5200: Wastes that are regulated by the Norm**

Matrix NOM-4-NUCL - NB A, NB B, NB C

Name:	**028-NUCL**	
Title or Name:	Radioactive Waste management in radioactive facilities with non-sealed radioactive sources	
Reference Number:	NOM-028-NUCL-1996	
Date Promulgated or Proclaimed:	1998-12-22	Regulation

Name:	**035-NUCL**	
Title or Name:	Clearance levels for radioactive material	
Reference Number:	NOM-035-NUCL-2000	
Date Promulgated or Proclaimed:	2000-05-19	Regulation

Name:	**036-NUCL**	
Title or Name:	Requirements for facilities for radioactive waste treatment and conditioning	
Reference Number:	NOM-036-NUCL-2001	
Date Promulgated or Proclaimed:	2001-09-26	Regulation

© International Atomic Energy Agency. This page generated at 2013-05-21 15:33:06

National Inventory by Waste Class

Country: MEXICO Reporting Year: 2005

No data available.

© International Atomic Energy Agency. This page generated at 2013-05-21 15:33:08

Policies

Country: MEXICO Reporting Year: 2005

National Systems

	Policy	(Yes;Partially;No)
Q14	Has your Country implemented a national policy for radioactive waste management?	Partially

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

	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	Partially
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	Partially
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	No
Q24	implemented a funding structure and the allocation of resources that are essential for radioactive waste management	No
Q25	implemented formal mechanisms for disseminating information to the public and for public consultation	No

	Responsibilities	(Complete;Incomplete)
	Member State Responsibility	
Q28	establish and implement a legal framework for the management of radioactive waste	Incomplete
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	Incomplete
	Regulatory Body Responsibility	
Q33	enforce compliance with regulatory requirements	Complete
Q34	implement the licensing process	Complete
Q35	advise the government	Complete
	Waste Generator and Operators of Waste Management Facilities Responsibility	
Q37	identify an acceptable destination for the radioactive waste	Incomplete
Q114	comply with legal requirements	Complete

© International Atomic Energy Agency. This page generated at 2013-05-21 15:33:07

Policies

Country: MEXICO Reporting Year: 2005

	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	Partially
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	Partially
Q50	conduct or otherwise ensure appropriate research and development to support operational needs in radioactive waste management	No

	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)?	No
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

© International Atomic Energy Agency. This page generated at 2013-05-21 15:33:07

Policies

Country: MEXICO Reporting Year: 2005

Disposal Facilities

	Licensing	(Yes - All;Yes - Some;No)
	If any of the following are part of your disposal policy, indicate Yes - All if they apply to all facilities, indicate Yes - Some if the apply to only some of the facilities or indicate No if they are not part of your policy at all.	
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
	If the use of active institutional controls is part of your Country's written policies, please indicate which of the following practices are either implemented or are being considered.	
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	No

© International Atomic Energy Agency. This page generated at 2013-05-21 15:33:07

Policies

Country: MEXICO Reporting Year: 2005

Processing/Storage

	Policies/Procedures	(Yes;No)
	Does your country have written policies or written procedures for the following:	
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?	No

	Foreign	(Yes;No)
Q121	Has your country sent any wastes or spent fuel to another country for processing (reprocessing for fuel)?	No
Q124	Has your country accepted any wastes or spent fuel from another country for processing (reprocessing for fuel)?	No

© International Atomic Energy Agency. This page generated at 2013-05-21 15:33:07

Policies

Country: MEXICO Reporting Year: 2005

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)?	Yes
Q115	If the answer was yes, are any registries used only for disused/spent SRS?	Yes

	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)
	Does your Country have any agreements in place whereby spent sealed radioactive sources (SRS) are returned to their supplier by the user (check all options that apply)?	
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)?	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?	No
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

© International Atomic Energy Agency. This page generated at 2013-05-21 15:33:07

Policies

Country: MEXICO Reporting Year: 2005

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

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

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?	No

	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

© International Atomic Energy Agency. This page generated at 2013-05-21 15:33:07

National Inventory by Waste Class

Country: MEXICO Reporting Year: 2005

No data available.

© International Atomic Energy Agency. This page generated at 2013-05-21 15:33:08