



Country Waste Profile Report for MAURITIUS Reporting Year: 2004

*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: MAURITIUS

Reporting Year: 2004

Waste Class Matrix: **IAEA Def.**

This country does use the IAEA Scheme: Yes

Description: The Agency's standard matrix

Waste Class Name	Distribution %		
	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

Comment **# 7322: Waste classification**

Mauritius does not have a waste classification scheme, but with the forthcoming setting-up of a Radiation Protection Authority, this issue will be addressed. For reporting to the NEWMDB, the IAEA Def Matrix will be used for now.

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

Is not defined

Groups Overview

Country: MAURITIUS

Reporting Year: 2004

Reporting Group:	RWDF		
Inventory Reporting Date:	December 2004		
Waste Matrix Used:	IAEA Def.		
Description:	Radioactive Waste Storage Facility		
Site Name	Facility Name	Facilities Defined	
JNH	JNH		storage

Site (Structure) : JNH

Country: MAURITIUS

Reporting Year: 2004

Full Name: Jawaharlal Nehru Hospital

Description:

Official Website:

License Holder(s): Not licenced. Operated by the Ministry of Health & Quality of Life.

Waste management facilities that are located at this site:

Facility:	JNH
Description:	Jawaharlal Nehru Hospital

Storage part of facility JNH

The following shows storage status for waste classes and SRS.

Waste Class	Actual	Planned
LILW-SL	No	No
LILW-LL	Yes	No
HLW	No	No

List SRS?	Yes
List UMMT?	No

Capacity:	This is a small two-room building used for storage of unused sealed radioactive sources which have already been conditioned.
-----------	--

Types of Storage Units

Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
CC	container (HIC)	2000	No	Yes	No	Yes

Site (Data) : JNH

Stock of waste as at December 2004

Country: MAURITIUS

Reporting Year: 2004

Site Name: JNH

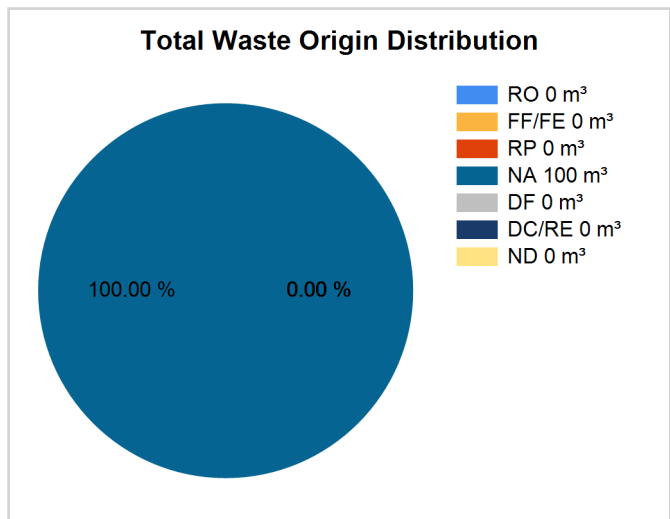
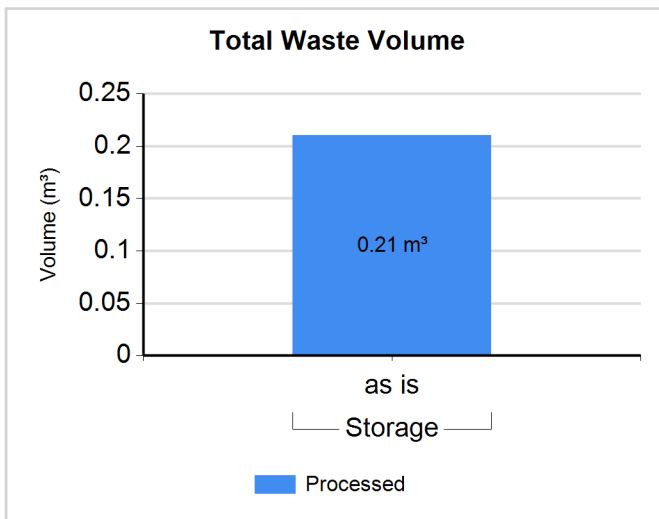
Full Name: Jawaharlal Nehru Hospital

Inventory Reporting Date: December 2004

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: LILW-LL

Waste Class Name	Location / Facility	Proc	Est.	Volume "as is" (m³)	Volume "as dispo" (m³)	RO %	FF/FE %	RP %	NA %	DF %	DC/RE %	ND %
LILW-LL	Storage	Y	N	0.210	0.210	0.00	0.00	0.00	100.00	0.00	0.00	0.00

Comment # 7544: Radium needles and Cs-137 sources

The conditioned waste reported is cemented/encapsulated Ra needles as well as Cs-137 sources.

Regulators

Country: MAURITIUS

Reporting Year: 2004

Name:	RPB
Full Name:	Radiation Protection Board
Divison:	
City or Town:	Port Louis
Main Website:	

Comment **# 7536: change in Regulator**

The RPB will cease to exist once the Radiation Protection Act 2003 is proclaimed and, in parallel, the Radiation Protection Act 1992 is repealed. The regulatory body would then be the Radiation Protection Authority.

Regulations / Laws

Country: MAURITIUS

Reporting Year: 2004

Name:	RPA 2003		
Title or Name:	Radiation Protection Act 2003		
Reference Number:			
Date Promulgated or Proclaimed:	11/11/2003	Law	

Comment # 7533: additional information for RPA 2003

The Radiation Protection Act has only been voted. It remains to be proclaimed. This will be done once the Radiation Protection Authority is set-up.

Future Outlook

Country: MAURITIUS

Reporting Year: 2004

Data not available.

Policies

Country: MAURITIUS

Reporting Year: 2004

National Systems

Policy		(Yes;Partially;No)
Q14	Has your Country implemented a national policy for radioactive waste management?	Partially
Comment	# 7521: provisions in RPA 2003 Provisions have been made in the Radiation Protection Act 2003 in regard to radioactive waste management.	
Strategies		(Yes;Partially;No)
Q15	Has your country developed strategies to implement a national policy?	Partially
Requirements		(Yes;Partially;No)
Q17	identified the parties involved in the different steps of radioactive waste management	Partially
Q18	specified a rational set of safety, radiological and environmental protection objectives	No
Q19	implemented a mechanism to identify existing and anticipated radioactive wastes	Partially
Q20	implemented controls over radioactive waste generation	No
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	Partially
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
Comment	# 7522: licensing Generators of radioactive waste would have to be licenced in accordance with the Radiation Protection Act 2003, except if the source to be used does not exceed the exemption level as defined in the Act.	
Comment	# 7524: return to supplier When purchasing a sealed source, every licensee would have to make contractual obligations for the return of the spent sealed source to the manufacturer	
Comment	# 7525: Radioactive Waste Management Officer Every licensee would have to appoint a technically competent person to be a Radioactive Waste Management Officer in order to assist the licensee in the safe and efficient on-site management of radioactive waste.	

Policies

Country: MAURITIUS

Reporting Year: 2004

	Responsibilities	(Complete;Incomplete)
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.	Incomplete
Q30	define the responsibilities of waste generators and operators of waste management facilities	Incomplete
Q31	provide for adequate resources	Incomplete
Q33	enforce compliance with regulatory requirements	Incomplete
Q34	implement the licensing process	Incomplete
Q35	advise the government	Incomplete
Q37	identify an acceptable destination for the radioactive waste	Incomplete
Q114	comply with legal requirements	Incomplete

Comment # 7526: Radiation Protection Authority

The Radiation Protection Act 2003 provides for the setting-up of the Radiation Protection Authority (i.e the regulatory body). The necessary is being done for the setting-up of the Authority. Once set-up, the Radiation Protection Act 2003 would be proclaimed.

	Activities	(Yes;Partially;No)
Q43	perform safety and environmental impact assessments for radioactive waste management facilities	No
Q44	ensure adequate radiation protection for workers, the general public and the environment	Partially
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	No
Q47	establish and keep records of appropriate information regarding the generation, processing, storage and disposal of radioactive waste, including an inventory of radioactive waste	Partially
Q48	provide surveillance and control of activities involving radioactive waste as required by the regulatory body	No
Q49	collect, analyze and, as appropriate, share operational experience to ensure continued safety improvements in radioactive waste management	No
Q50	conduct or otherwise ensure appropriate research and development to support operational needs in radioactive waste management	No

Comment # 7527: record system

There is presently a record system for radioactive sources in the country. Through it, the radioactive waste may be assessed to a certain level.

Comment # 7528: Unused sealed sources

Unused sealed sources have been conditioned and are safely kept for final disposal.

Policies

Country: MAURITIUS

Reporting Year: 2004

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"?	No
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)?	No

Comment # 9482: Policies National Systems-Clearance
Provisions may be made in the Regulations under the Radiation Protection Act 2003.

Disposal Facilities

Licensing		(Yes - All;Yes - Some;No)
Q53	Environmental Assessment (EA)	Yes - Some
Q54	Environmental Impact Statement (EIS)	Yes - Some
Q55	Performance Assessment (PA)	Yes - Some
Q56	Quality Assurance (QA)	Yes - Some
Q57	Safety Assessment (SA)	Yes - Some
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 - Some

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

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?	No

Policies

Country: MAURITIUS

Reporting Year: 2004

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 # 7529: status of regulations

Regulations are being finalised. These will also cover waste management.

Comment # 7530: Nuclear fuel

Nuclear fuel is not used in Mauritius.

Implementation		(Yes;No)
Q80	Does your Country have any waste processing facilities at the same location where the waste is generated?	No
Q81	Does your Country have any centralized waste processing facilities?	No
Q82	Does your Country have 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

Policies

Country: MAURITIUS

Reporting Year: 2004

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

Comment # 7531: Registry information

The national level registry is presently being kept by the Ministry of Health & Quality of Life. Upon the setting-up of the Radiation Protection Authority, the registry will be transferred to the Authority.

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

Comment # 7534: Supplier-user agreements

Supplier-user agreements will also become mandatory under the Radiation Protection Act 2003

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

Comment # 7535: SRS disposal

All spent SRS will have to be returned to the supplier in accordance with the Radiation Protection Act 2003

Policies

Country: MAURITIUS

Reporting Year: 2004

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

Comment # 7532: provisions in RPA 2003

Provisions have been made in the Radiation Protection Act 2003, and will also be made in the Regulations. It must , however, be noted that the Act has not been proclaimed yet.

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? Yes - Some

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)? Yes

Timeframe

(Yes - All;Yes - Some;No)

Q113 Does your Country require a time frame for the decommissioning of non-nuclear fuel cycle facilities once these facilities cease operation? Yes - Some

Future Outlook

Country: MAURITIUS

Reporting Year: 2004

Data not available.

Future Outlook

Country: MAURITIUS

Reporting Year: 2004

Data not available.

Future Outlook

Country: MAURITIUS

Reporting Year: 2004

Data not available.

Future Outlook

Country: MAURITIUS

Reporting Year: 2004

Data not available.

Future Outlook

Country: MAURITIUS

Reporting Year: 2004

Data not available.

Future Outlook

Country: MAURITIUS

Reporting Year: 2004

Data not available.

Future Outlook

Country: MAURITIUS

Reporting Year: 2004

Data not available.

Future Outlook

Country: MAURITIUS

Reporting Year: 2004

Data not available.