

Policies

Country: CUBA

Reporting Year: 2005

National Systems

Policy	(Yes;Partially;No)
Q14 Has your Country implemented a national policy for radioactive waste management?	Yes
<p>Comment # 233: Policy</p> <p>The national policy for radioactive waste management is developed in accordance with the objective and principles established in the IAEA Safety Series No. 111-S-1.</p> <p>There exist in the country the adequate capabilities for the safe management of radioactive waste:</p> <p>The National Center for Nuclear Safety (The Regulatory Body) is responsible for the licensing and supervision of radioactive and nuclear installations and for the control of generated radioactive waste.</p> <p>There is a Waste Processing and Storage Facility adequate to the amount and types of radioactive waste generated in the country.</p> <p>The required regulatory infrastructure was created (including Laws and Regulations) for the control of radioactive waste.</p> <p>The Center for Radiation Protection and Hygiene is responsible for centralized collection, transportation, treatment, conditioning and long term storage of radioactive waste, as well as for developing new waste conditioning and containment methods</p>	

Strategies	(Yes;Partially;No)
Q15 Has your country developed strategies to implement a national policy?	Yes
<p>Comment # 234: Strategies</p> <p>Radioactive waste management is one of the topics in the strategy of the Minister of Science Technology and Environment for the next five year. New research programmes will be developed with the aims of improving operational and regulatory capabilities for dealing with radioactive waste.</p>	

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Requirements		(Yes;Partially;No)
Q17	identified the parties involved in the different steps of radioactive waste management	Yes
Q18	specified a rational set of safety, radiological and environmental protection objectives	Yes
Q19	implemented a mechanism to identify existing and anticipated radioactive wastes	Yes
Q20	implemented controls over radioactive waste generation	Yes
Q21	identified available methods and facilities to process, store and dispose of radioactive waste on an appropriate time-scale	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	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	Partially

Comment # 235: Interdependencies

The existing facility for radioactive waste management is adequate for the amount and types of generated radioactive waste. The wastes are segregated in the point of origin according to their characteristics and existing methods for treatment and conditioning.

Comment # 236: Resources

Final disposal of radioactive wastes is financed by the Government (who will centralized a budget provided by the licensed institutions), meanwhile the other steps of radioactive waste management are financed by the waste generators and the Center for Radiation Protection and Hygiene. Research programmes and regulatory activities are financed by the Minister of Science, Technology and Environment. The Government, through the Minister of Education, is responsible for guarantying the personal capabilities.

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

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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)?	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

Attachment #1212: Questionnaire

Guiadesechos.pdf

The Safety Guide 01/2004 of the Regulatory Authority establishes the unconditional clearance levels for solid materials with very low activity content and for release of liquids and gases to the environment

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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

Comment # 239: Disposal facility - Policy

Although there is not in operation any disposal facility in the country, these topics are included in environmental regulations and radiological safety regulations that apply to the management of radioactive wastes.

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

Comment # 240: Waste Acceptance Criteria

There is not any disposal facility for radioactive waste in operation in the country. Nevertheless the Waste Acceptance Criteria, Waste Package Specifications and Control Methods are defined for the operating storage facility.

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

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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)	Yes

Comment # 241: Procedures

The centralized Waste Processing and Storage Facility has implemented a Quality Assurance programme including all these operations. A Safety Guide was issued for generators, explaining the way they have to manage radioactive wastes. There is not nuclear fuel cycle waste in the country.

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

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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?	Yes
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

Comment # 242: Spent SRS

The Regulation for the Safety of Radioactive Waste Management establishes in the Article 59: "The Licensee who imports a sealed radioactive source shall take the reasonable measures to return the source to the supplier once it has been declared disused. For this purpose, an agreement shall be signed between the Licensee and the Supplier. Should this not be the case, the disused sealed source shall be transferred to a waste management facility.

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 # 243: Return the SRS

The agreements for returning the spent sealed radiation sources to their suppliers do not cover all the SRS that are in use at present.

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?	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

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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)? Yes

Comment # 244: Import of RadWaste

The Law 81, On the Environment, defined that the import of radioactive wastes required the authorization of the Minister of Science, Technology and Environment. The export is not covered in the Law.

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

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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

Comment # 245: Decommission

Decommissioning activities in the country are financed by the Government and the institutions where the decommissioning is carried out.

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 - All

Comment # 7241: Time frame for decommissioning

Decommissioning activities performed up to now in the country have shown that the decommissioning of radioactive facilities could not be carried out immediately after shutdown because the necessary resources were not available.