



Country Waste Profile Report for IRELAND 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: IRELAND

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

Comment **# 143: Disused source inventory**

Ireland has no nuclear power reactors or research reactors and no uranium mining or fuel fabrication facilities. The generation of radioactive waste is therefore on a very small scale when compared with countries which have or had such facilities, being limited to radioactive waste arising from the use of radioactive materials in medicine, industry and research/teaching. Sealed Radioactive sources are licensed by the regulator, the Radiological Protection Institute of Ireland, on the understanding that they will be returned to the supplier when no longer required. Unsealed radioactive waste must be held in storage until the radioactive content decays to below values where disposal is permitted. Normally radioactive waste is stored on the premises where the practice, which generated it, is located. There is no central radioactive waste repository in Ireland.

Storage of all radioactive waste is subject to strict control by licence and inspection by the RPII.

The sealed radioactive sources listed in the inventories below arise from sources which were imported prior to the introduction of the take-back licencing requirement, and sources where, for what ever reason, the take-back agreement has not been honoured

Waste Class Matrix: **National**

Yes

Description:

Waste Class Name	Distribution %			
	VLLW	LLW	ILW	HLW
DSS	0.0	100.0	0.0	0.0

Comment **# 30815:**

National profile

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: IRELAND

Reporting Year: 2013

Reporting Group:	Education			
Inventory Reporting Date:	December 2013			
Waste Matrix Used:	IAEA Def.			
Description:	The term Education refers to 13 sites located throughout the country, such as universities who are involved with education and research and who are licenced to hold disused radioactive materials.			
	Site Name	Facility Name	Facilities Defined	
	Education	Education	storage	

Reporting Group:	Industry			
Inventory Reporting Date:	December 2013			
Waste Matrix Used:	IAEA Def.			
Description:	This group represents the disused sources held at industrial premises in Ireland.			
	Site Name	Facility Name	Facilities Defined	
	Industry	Industry	storage	

Reporting Group:	Medical			
Inventory Reporting Date:	December 2013			
Waste Matrix Used:	IAEA Def.			
Description:	The term Medical refers to 12 licensed hospitals located throughout the country who hold disused radioactive sources.			
	Site Name	Facility Name	Facilities Defined	
	Medical	Medical	storage	

Reporting Group:	National Total			
Inventory Reporting Date:	December 2013			
Waste Matrix Used:	National			
Description:				
	Site Name	Facility Name	Facilities Defined	
	NT	NS	storage	

Site (Structure) : NT

Country: IRELAND

Reporting Year: 2013

Full Name:

Description:

Official Website:

License Holder(s):

Waste management facilities that are located at this site:

Facility:	NS	
Description:		
Storage part of facility	NS	
The following shows storage status for waste classes and SRS.		
Waste Class	Actual	Planned
DSS	Yes	No
List SRS?	No	
List UMMT?	No	
Capacity:		

Site (Data) : NT

Stock of waste as at December 2013

Country: IRELAND

Reporting Year: 2013

Site Name: NT

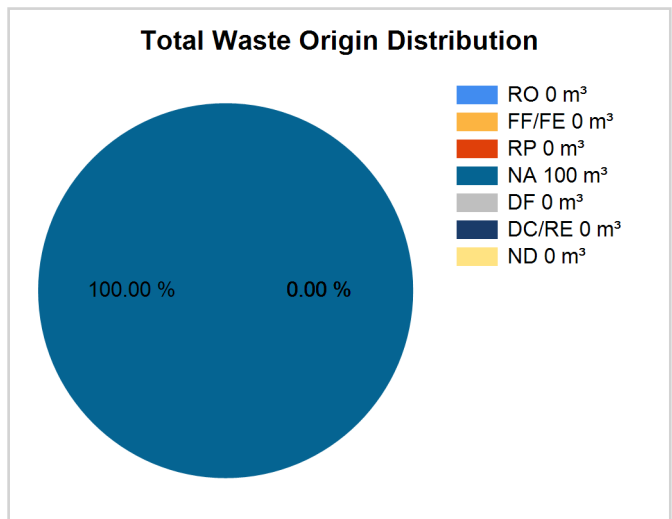
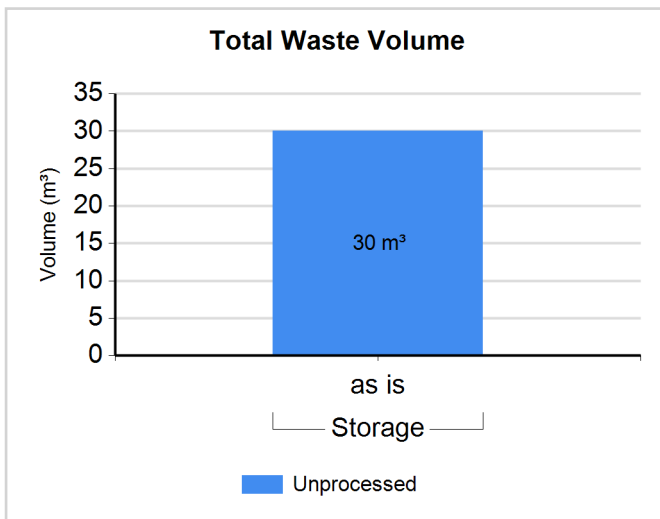
Full Name:

Inventory Reporting Date: December 2013

Waste Matrix Used: National

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: DSS

Waste Class Name	Location / Facility	Proc	Est.	Volume "as is" (m³)	Volume "as dispo" (m³)	RO %	FF/FE %	RP %	NA %	DF %	DC/RE %	ND %
DSS	Storage	N	N	30.000	30.000	0.00	0.00	0.00	100.00	0.00	0.00	0.00

Regulators

Country: IRELAND

Reporting Year: 2013

Name:	RPII
Full Name:	Radiological Protection Institute of Ireland
Divison:	Regulatory Service
City or Town:	Dublin
Main Website:	

Regulations / Laws

Country: IRELAND

Reporting Year: 2013

Name:	SI 125		
Title or Name:	Radiological Protection Act, 1991(Ionising Radiation) Order, 2000(SI125 of 2000) giving effect to EU Council Directive 96/29/Euratom 1996		
Reference Number:	SI125 of 2000		
Date Promulgated or Proclaimed:	5/13/2000		Law

Country: IRELAND

Reporting Year: 2013

Policies

Country: IRELAND

Reporting Year: 2013

National Systems

Policy	(Yes;Partially;No)
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Q14	Has your Country implemented a national policy for radioactive waste management?	Partially
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Comment **# 7245: Poicy Information**

There are no supporting documents. A licence must be obtained from the Competent Authority (RPII) for the purchase,use, custody and transportation of any radioactive source. SRS Waste is controlled and minimised by applying a return to the supplier policy. When a user makes an application for the purchase of a sealed source, they must provide written evidence that the supplier is willing to accept the return of the source when it becomes disused.

Strategies	(Yes;Partially;No)
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Q15	Has your country developed strategies to implement a national policy?	Yes
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Comment **# 7246: Strategy information**

Policy requires that purchaser of a sealed source has an agreement with supplier for its return when it becomes disused.

Requirements	(Yes;Partially;No)
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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	Yes
Q19	implemented a mechanism to identify existing and anticipated radioactive wastes	Yes
Q20	implemented controls over radioactive waste generation	Partially
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	No
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

Policies

Country: IRELAND

Reporting Year: 2013

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.	Complete
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	Complete
Q34	implement the licensing process	Complete
Q35	advise the government	Complete
Q37	identify an acceptable destination for the radioactive waste	Incomplete
Q114	comply with legal requirements	Incomplete
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	Partially
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	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"?	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

Policies

Country: IRELAND

Reporting Year: 2013

Disposal Facilities

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

Reporting Year: 2013

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
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?	No
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

Policies

Country: IRELAND

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)?	No
Q90	Are there local-level registries (one or more)?	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)?	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
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: IRELAND

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? No

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

Radionuclide Inventory by Waste Class

Country: IRELAND

Reporting Year: 2013

No data available.

No data available.

No data available.

No data available.

No data available.

Spent Fuel Inventory

Country: IRELAND

Reporting Year: 2013

Spent Fuel **in Storage**
No data available.

Spent Fuel **in Disposal**
No data available.

Waste Management Infrastructure and Financing

Country: IRELAND

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: IRELAND

Reporting Year: 2013

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

Waste Management Strategies

Country: IRELAND

Reporting Year: 2013

Waste Class	
Strategy	

Waste Management Responsibility

Country: IRELAND

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: IRELAND

Reporting Year: 2013

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

Future Outlook

Country: IRELAND

Reporting Year: 2013

Outlook for the year: 2030

Data not available.

Outlook for the year: 2050

Data not available.

Outlook for the year: 2100

Data not available.