

Site (Data) : RWMF

Stock of waste as at December 2004

Country: CUBA

Reporting Year: 2004

Site Name: RWMF

Full Name: Radioactive Waste Management Facility

Inventory Reporting Date: December 2004

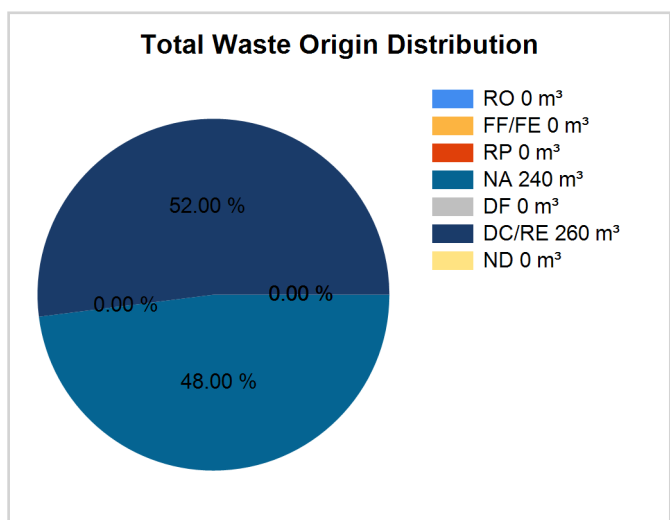
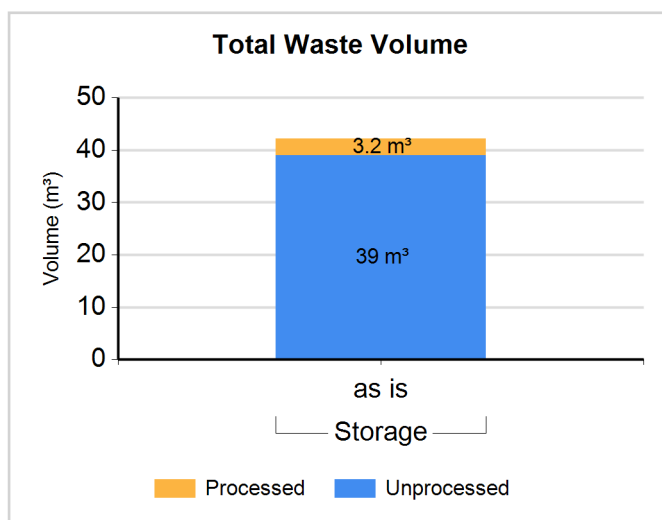
Waste Matrix Used: IAEA Def.

Comment # 181: RWMF

Radioactive Waste Management Facility belongs to the Center for Radiation Protection and Hygiene, which is the License Holder

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: 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 (liquid)	Storage	N	N	4.000	4.000	0.00	0.00	0.00	100.00	0.00	0.00	0.00
LLW (solid)	Storage	N	N	32.800	32.800	0.00	0.00	0.00	40.00	0.00	60.00	0.00
LLW (solid)	Storage	Y	N	3.000	3.000	0.00	0.00	0.00	100.00	0.00	0.00	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 (solid)	Storage	N	N	2.200	2.200	0.00	0.00	0.00	0.00	0.00	100.00	0.00
ILW (solid)	Storage	Y	N	0.200	0.200	0.00	0.00	0.00	0.00	0.00	100.00	0.00

Processing - Treatment method(s)

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

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Processing - Conditioning method(s)

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

Spent Sources <=30 years in Storage

Nuclide	Number of Sources/Total Activity of Sources (GBq)			c o n d	u n c o n d	c a t	Total Activity for all Groups (GBq)	Decay Date
	Group I less than or equal 4GBq	Group II more than 4GBq but less than or equal 4E+4GBq	Group III more than 4E+4GBq					
	num/activity	num/activity	num/activity					
Ba-133	5			Y	N	Y	1.000E-002	
	1.000E-002							
Co-60	160			Y	N	Y	4.200E+001	
	4.200E+001							
Co-60	17			N	Y	Y	5.000E+000	
	5.000E+000							
Co-60	50			Y	N	Y	1.600E+001	
	1.600E+001							
Co-60	69			N	Y	Y	2.500E+001	
	2.500E+001							
Co-60		16	3	Y	N	Y	3.140E+005	
		1.163E+005	1.977E+005					
Co-60		13		N	Y	Y	9.176E+004	
		9.176E+004						
Cs-137	174			Y	N	Y	1.600E+001	
	1.600E+001							
Cs-137	7	5		N	Y	Y	1.190E+002	
	1.600E+001	1.030E+002						
Cs-137	110			Y	N	Y	2.810E+002	
	2.810E+002							

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Cs-137	25			N	Y	Y	3.000E+000	
	3.000E+000							
Cs-137		5		Y	N	Y	2.118E+004	
		2.118E+004						
Cs-137		91		Y	N	Y	1.204E+004	
		1.204E+004						
Cs-137		13		N	Y	Y	1.874E+003	
		1.874E+003						
Cs-137		361		Y	N	Y	2.822E+004	
		2.822E+004						
Eu-154	2			Y	N	Y	4.000E-001	
	4.000E-001							
Kr-85	21			Y	N	Y	1.000E+000	
	1.000E+000							
Kr-85	205			N	Y	Y	1.500E+000	
	1.500E+000							
Pb-210	70			Y	N	Y	1.000E-003	
	1.000E-003							
Sr-90	182	3		Y	N	Y	2.810E+002	
	1.190E+002	1.620E+002						
Sr-90	77			Y	N	Y	1.300E+001	
	1.300E+001							
Sr-90	57			N	Y	Y	4.000E+000	
	4.000E+000							

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Nuclide	Number of Sources/Total Activity of Sources (GBq)		c o n d	u n c o n d	c a t	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	8	7	N	Y	Y	5.200E+001	
	1.300E+001	3.900E+001					
Am-241	12747		N	Y	Y	1.100E+001	
	1.100E+001						
Am-241	9		N	Y	Y	1.100E+001	
	1.100E+001						
Am-241		4	N	Y	Y	6.300E+002	
		6.300E+002					
Ni-63	4		Y	N	Y	1.600E+000	
	1.600E+000						
Pu-238	20		N	Y	Y	1.900E+001	
	1.900E+001						
Pu-238		5	N	Y	Y	2.430E+002	
		2.430E+002					
Pu-239		6	N	Y	Y	1.092E+003	
		1.092E+003					
Pu-239	25		N	Y	Y	2.000E-002	
	2.000E-002						
Ra-226	19		N	Y	Y	6.730E+000	
	6.730E+000						
Ra-226	1005		N	Y	Y	1.700E+002	
	1.700E+002						

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Multiple Nuclides SRS in Storage

Nuclide	Activity of Sources (GBq)	cond	uncond	cat	Decay Date
Am-241	1.000E-003	N	Y	Y	
Sr-90	1.000E-003	N	Y	N	