

Site (Data) : RWMF

Stock of waste as at December 2007

Country: CUBA

Reporting Year: 2007

Site Name: RWMF

Full Name: Radioactive Waste Management Facility

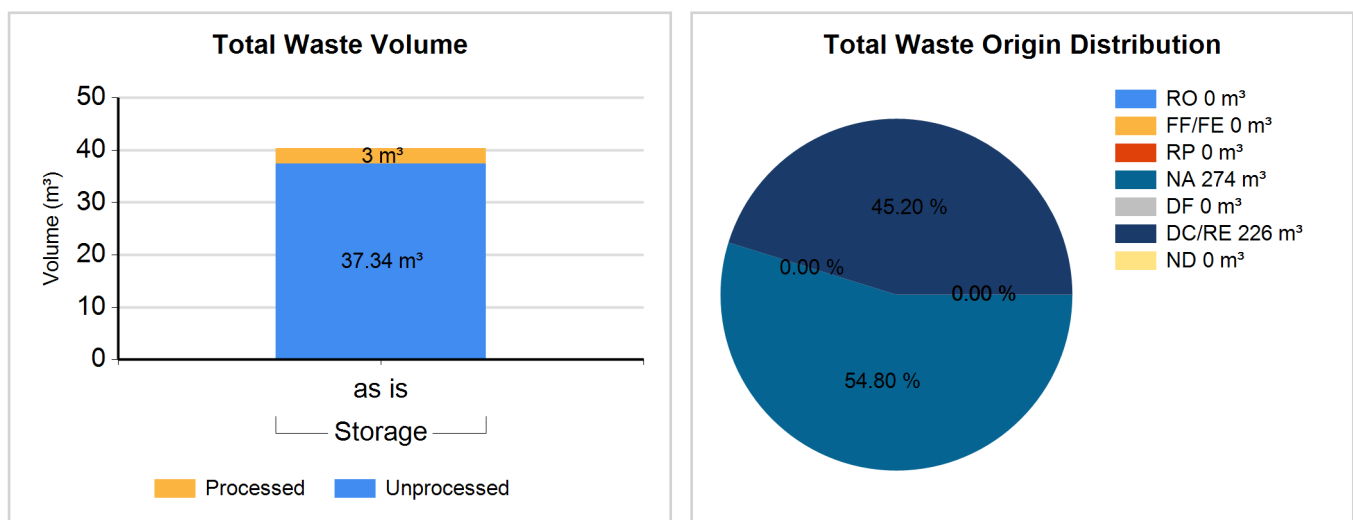
Inventory Reporting Date: December 2007 Waste Matrix Used: IAEA Def.

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	2.980	2.980	0.00	0.00	0.00	100.00	0.00	0.00	0.00
LLW (solid)	Storage	N	N	29.860	29.860	0.00	0.00	0.00	32.00	0.00	68.00	0.00
LLW (solid)	Storage	Y	N	2.800	2.800	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	4.500	4.500	0.00	0.00	0.00	42.00	0.00	58.00	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	6			Y	N	Y	1.500E-002	
	1.500E-002							
Cf-252	6			N	Y	Y	6.200E-001	
	6.200E-001							
Co-60			4	Y	N	Y	1.300E+006	
			1.300E+006					
Co-60		6	14	N	Y	Y	3.910E+006	
		2.100E+005	3.700E+006					
Co-60	43			Y	N	Y	8.100E+001	
	8.100E+001							
Co-60	2	14		N	Y	Y	9.703E+003	
	2.600E+000	9.700E+003						
Co-60	14	27		Y	N	Y	1.350E+003	
	5.000E+001	1.300E+003						
Co-60		9		N	Y	Y	4.800E+002	
		4.800E+002						
Co-60	17	1		Y	N	Y	5.200E+001	
	1.500E+001	3.700E+001						
Co-60	9	2		N	Y	Y	6.300E+001	
	1.700E+001	4.600E+001						

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Co-60	188	1		Y	N	Y	2.500E+001	
	1.200E+001	1.300E+001						
Co-60	61			N	Y	Y	8.400E-001	
	8.400E-001							
Cs-137		5		Y	N	Y	5.600E+004	
		5.600E+004						
Cs-137		57		Y	N	Y	1.200E+004	
		1.200E+004						
Cs-137		20		N	Y	Y	3.500E+003	
		3.500E+003						
Cs-137	60	259		Y	N	Y	4.610E+004	
	1.000E+002	4.600E+004						
Cs-137	4	1		N	Y	Y	1.968E+002	
	6.800E+000	1.900E+002						
Cs-137	133	233		Y	N	Y	1.216E+004	
	1.600E+002	1.200E+004						
Cs-137	8	5		N	Y	Y	9.000E+001	
	1.500E+001	7.500E+001						
Cs-137	92			Y	N	Y	5.000E+000	
	5.000E+000							
Cs-137	15			N	Y	Y	7.700E-001	
	7.700E-001							
Eu-152	2			Y	N	Y	4.400E-004	
	4.400E-004							
Eu-154	2			Y	N	Y	2.100E+000	
	2.100E+000							
H-3		18		Y	N	Y	1.200E+002	
		1.200E+002						
H-3	9			N	Y	Y	1.700E-003	
	1.700E-003							

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Hg-203	2			Y	N	Y	1.500E-003	
	1.500E-003							
Kr-85	2			Y	N	Y	4.600E+000	
	4.600E+000							
Kr-85	1	1		N	Y	Y	1.700E+001	
	2.000E+000	1.500E+001						
Kr-85	15			Y	N	Y	3.000E-003	
	3.000E-003							
Kr-85	409			N	Y	Y	7.800E-001	
	7.800E-001							
Pb-210	70			Y	N	Y	2.000E-003	
	2.000E-003							
Sr-90	212			Y	N	Y	3.800E+002	
	3.800E+002							
Sr-90	35			N	Y	Y	3.200E+001	
	3.200E+001							
Sr-90	575	2		Y	N	Y	2.420E+002	
	1.200E+001	2.300E+002						
Sr-90	644			N	Y	Y	2.600E+000	
	2.600E+000							

Spent Sources > 30 years in Storage

Nuclide	Number of Sources/Total Activity of Sources (GBq)		c	u	c	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	6		Y	N	Y	4.100E+000	
	4.100E+000						
Am-241	4	9	Y	N	Y	5.440E+001	
	7.400E+000	4.700E+001					

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Am-241	8465		Y	N	Y	1.700E+001	
	1.700E+001						
Am-241	12643	1	N	Y	Y	1.160E+001	
	4.200E+000	7.400E+000					
Am-241	2	20	N	Y	Y	1.701E+003	
	1.100E+000	1.700E+003					
Am-241	6		N	Y	Y	1.200E+001	
	1.200E+001						
Am-241		2	N	Y	Y	2.200E+002	
		2.200E+002					
C-14	6		N	Y	Y	8.200E-004	
	8.200E-004						
C-14	5		Y	N	Y	2.800E-005	
	2.800E-005						
I-129	2		Y	N	Y	4.500E-006	
	4.500E-006						
Ni-63	4		Y	N	Y	1.600E+000	
	1.600E+000						
Pu-238	7		N	Y	Y	7.100E+000	
	7.100E+000						
Pu-238	12		N	Y	Y	8.500E+000	
	8.500E+000						
Pu-238	1	4	N	Y	Y	7.212E+002	
	1.200E+000	7.200E+002					
Pu-238	2		N	Y	Y	2.400E+000	
	2.400E+000						
Pu-239	36		N	Y	Y	1.900E-002	
	1.900E-002						
Pu-239		5	N	Y	Y	1.300E+003	
		1.300E+003					

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Ra-226	1036		Y	N	Y	1.800E+002	
	1.800E+002						
Ra-226	38		Y	N	Y	8.800E-001	
	8.800E-001						

Multiple Nuclides SRS in Storage

Nuclide	Activity of Sources (GBq)	cond	uncond	cat	Decay Date
Am-241	1.000E-004	Y	N	Y	
Sr-90	1.000E-004	Y	N	N	