

Site (Data) : RWMDC

Stock of waste as at December 2004

Country: INDONESIA

Reporting Year: 2004

Site Name: RWMDC

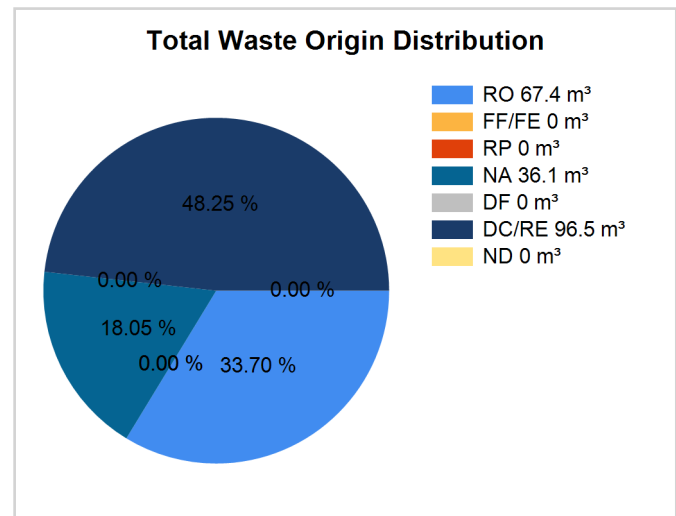
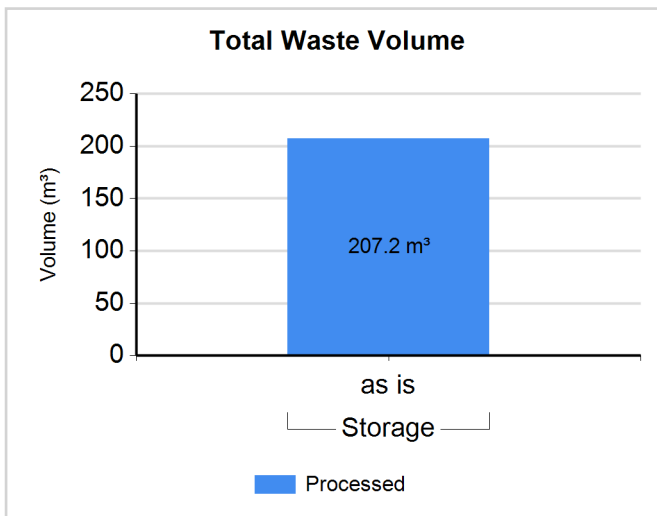
Full Name: Radioactive Waste Management Development Center, BATAN

Inventory Reporting Date: December 2004

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: LILW

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	Storage	Y	N	161.400	161.400	67.40	0.00	0.00	32.60	0.00	0.00	0.00

Waste Class: Alpha Waste

Waste Class Name	Location / Facility	Proc	Est.	Volume "as is" (m³)	Volume "as dispo" (m³)	RO %	FF/FE %	RP %	NA %	DF %	DC/RE %	ND %
Alpha Waste	Storage	Y	N	45.800	45.800	0.00	0.00	0.00	3.50	0.00	96.50	0.00

Processing - Treatment method(s)

Method	Status			
	Planned	R&D program	Current practice method use over the last 5 years	Past Practice
Chemical Precipitation	Y	N		N
Compaction	N	N	Same	N
Decontamination	N	N	Same	N
Evaporation	N	N	Same	N
Incineration	N	N	Same	N
Membrane Technology	N	Y		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	N	N	Same	N
Vitrification	N	Y		N

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 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					
Cd-109	1			Y	N	N	1.850E-001	2003.12
	1.850E-001							
Cf-252	4			Y	N	N	4.070E+000	2003.12
	4.070E+000							
Co-60		91		Y	N	N	1.159E+006	2003.12
		1.159E+006						
Cs-137		133		Y	N	N	7.773E+004	2003.12
		7.773E+004						
Fe-55	1			Y	N	N	1.670E+000	2003.12
	1.670E+000							
Ir-192		18		Y	N	N	4.736E+002	2003.12
		4.736E+002						
Kr-85		18		Y	N	N	1.280E+002	2003.12
		1.280E+002						
Pm-147		6		Y	N	N	1.800E+002	2003.12
		1.800E+002						
Sr-90	102			Y	N	N	8.004E+001	2003.12
	8.004E+001							

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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 2 GBq	Group II more than 2GBq					
	num/activity	num/activity					
Am-241		37	Y	N	N	3.989E+003	2003.12
		3.989E+003					
Ra-226		7	Y	N	N	1.490E+001	2003.12
		1.490E+001					