

Site (Data) : RWTC

Stock of waste as at December 2010

Country: INDONESIA

Reporting Year: 2010

Site Name: RWTC

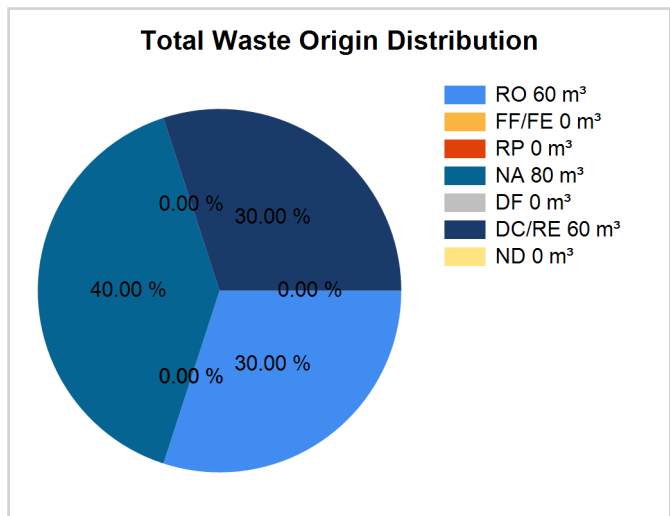
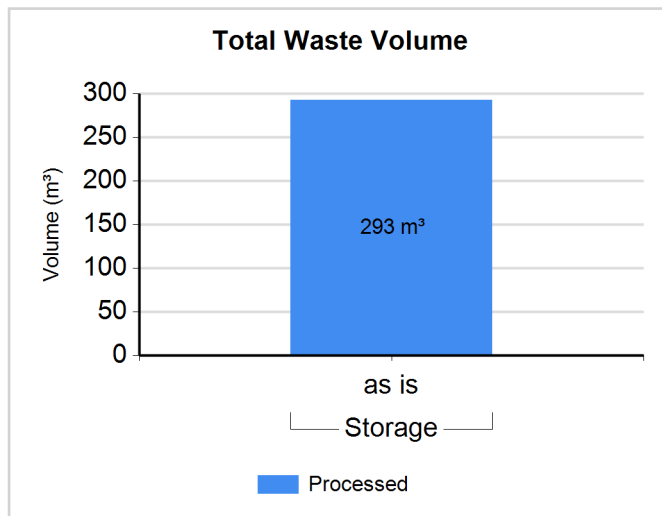
Full Name: Radioactive Waste Technology Center, BATAN

Inventory Reporting Date: December 2010

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: 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	Storage	Y	Y	209.000	209.000	60.00	0.00	0.00	40.00	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	Storage	Y	Y	84.000	84.000	0.00	0.00	0.00	40.00	0.00	60.00	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	N	Y		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

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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 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	7			Y	N	Y	1.070E-001	2010.12
	1.070E-001							
Cf-252	6			Y	N	Y	2.650E+000	2010.12
	2.650E+000							
Cm-244	2	2		Y	N	Y	3.365E+001	2010.12
	1.905E+000	3.175E+001						
Co-60	103	123	4	Y	Y	Y	6.757E+005	2010.12
	1.018E+001	4.761E+005	1.996E+005					
Cs-137	197	87	3	Y	Y	Y	1.849E+005	2010.12
	1.064E+002	3.025E+004	1.546E+005					
Fe-55	10			Y	N	Y	3.153E+000	2010.12
	3.153E+000							
Ir-192	29	8		Y	Y	Y	1.811E+002	2010.12
	2.433E+000	1.786E+002						
Kr-85	24	63		Y	Y	Y	3.958E+004	2010.12
	8.213E+001	3.949E+004						
Pm-147	32	2		Y	Y	Y	8.168E+001	2010.12
	7.123E+001	1.045E+001						
Se-75		6		Y	N	Y	4.919E+001	2010.12
		4.919E+001						
Sr-90	260			Y	N	Y	1.532E+002	2010.11
	1.532E+002							

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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	44	46	Y	N	Y	4.067E+003	2010.12
	1.265E+001	4.055E+003					
Am-241	2		Y	N	Y	2.900E+000	2010.12
	2.900E+000						
Ra-226	936	7	Y	N	Y	1.241E+002	2010.12
	1.093E+002	1.486E+001					