

Site (Data) : All Sites

Stock of waste as at December 2006

Country: THAILAND

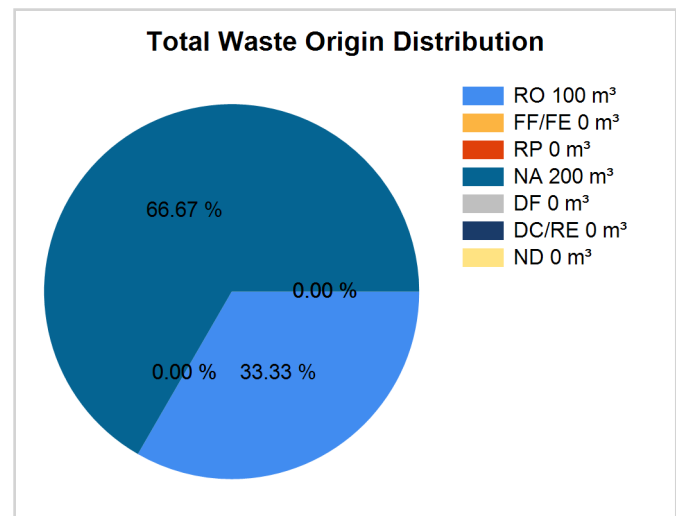
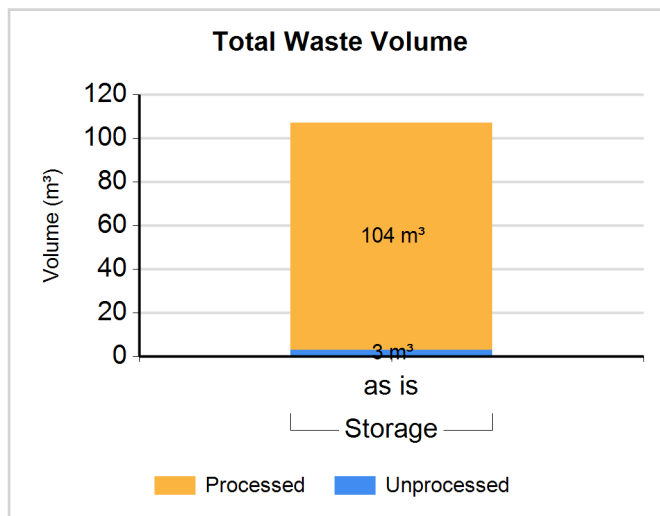
Reporting Year: 2006

Site Name: All Sites

Full Name: A single theoretical site is defined to facilitate reporting to the NEWMDB. The waste quantities reported are the totals for actual sites located around Thailand, including those at the central facility located at the OAP, Bangkok.

Inventory Reporting Date: December 2006**Waste Matrix Used:** Thailand**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-SL

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-SL	Storage / OAP-SF2	N	N	3.000	3.000	90.00	0.00	0.00	10.00	0.00	0.00	0.00
LILW-SL	Storage / OAP-SF2	Y	N	100.000	100.000	10.00	0.00	0.00	90.00	0.00	0.00	0.00
LILW-SL	Storage / OAP-SRS	Y	N	4.000	4.000	0.00	0.00	0.00	100.00	0.00	0.00	0.00

Comment # 6851: The additional characteristics of the waste

Unprocessed Waste are as follows:

- Spent ion-exchange resin from the OAP Research Reactor, have been kept in 50 drums (50 litre), total about 2.5 cubic-metre
- The iron-steel contaminated with Cs-137 from the Steel Factories, (products from the melting of scrap metal from East Europe), total volume about 2.5 cubic-metre

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Processing - Treatment method(s)

Method	Status			
	Planned	R&D program	Current practice method use over the last 5 years	Past Practice
Chemical Precipitation	N	N	Same	N
Compaction	N	N	Same	N
Decontamination	N	N	Same	N
Evaporation	Y	N		N
Incineration	N	N	Same	N
Ion Exchange	N	N	Same	N
Size Reduction	Y	N		N

Processing - Conditioning method(s)

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

Spent Sources <=30 years in Storage**Data available but will not be reported.**

Attachment #840: SRS Data (LE30)

SRS thailand.xls

SRS inventory (as of January 2004)

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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		2	N	Y	N	3.990E+002	
		3.990E+002					
Am-241		17	N	Y	Y	3.870E+002	
		3.870E+002					
Am-241	293		N	Y	Y	2.210E+002	
	2.210E+002						
Ni-63	33		N	Y	Y	1.338E+001	
	1.338E+001						
Ra-226		948	Y	N	Y	1.920E+003	
		1.920E+003					
Ra-226	5		N	Y	Y	8.000E-001	
	8.000E-001						
Ra-226	363		N	Y	Y	2.560E+002	
	2.560E+002						

Attachment **#841: SRS Data (GT30)**

SRS thailand.xls

SRS inventory (as of January 2004)