

Site (Data) : All Sites

Stock of waste as at December 2005

Country: THAILAND

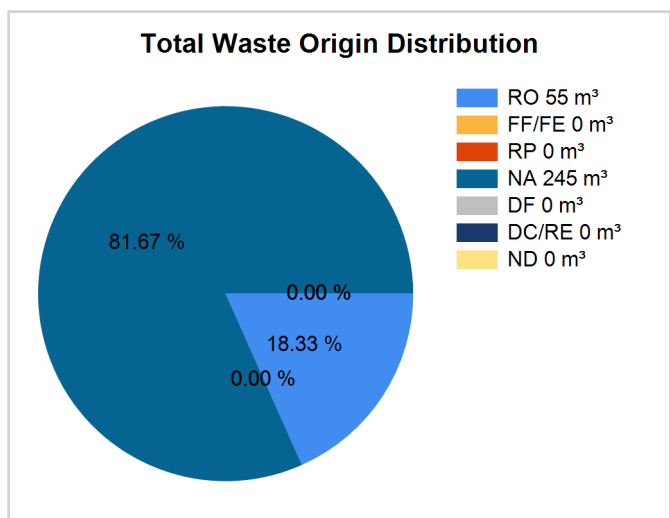
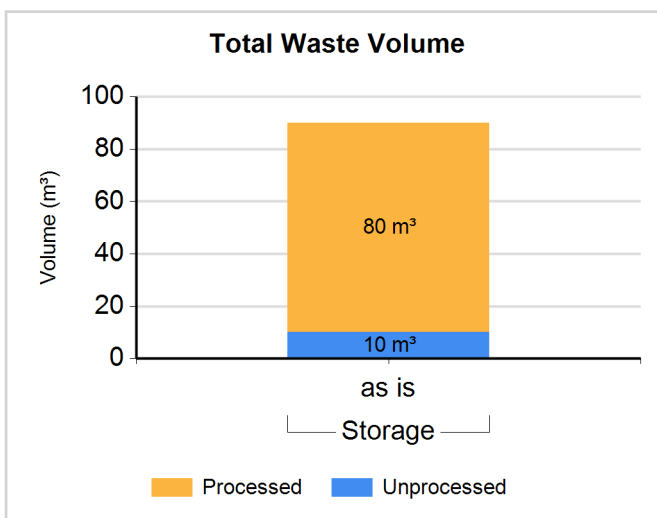
Reporting Year: 2005

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 2005**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.

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Waste Class: VLLW

Waste Class Name	Location / Facility	Proc	Est.	Volume "as is" (m ³)	Volume "as dispo" (m ³)	RO %	FF/FE %	RP %	NA %	DF %	DC/RE %	ND %
VLLW	Storage / OAP-SF2	N	N	5.000	5.000	0.00	0.00	0.00	100.00	0.00	0.00	0.00
VLLW	Storage / OAP-SF2	Y	N	80.000	80.000	5.00	0.00	0.00	95.00	0.00	0.00	0.00

Comment # 6850: The additional characteristics of the waste

Most of processed solid waste came from the medical use, and universities. But the most of liquid waste came from the OAP research reactor and OAP laboratories.

Comment # 7368: VLLW volume-reduction

Most VLLW solid wastes are generated by RI users.

Those VLLW are treated for volume reduction and then kept in 200 litre-drums at OAP-SF2. Now there are about 400 drums.

Waste Class: LILW-SL

Waste Class Name	Location / Facility	Proc	Est.	Volume "as is" (m ³)	Volume "as dispo" (m ³)	RO %	FF/FE %	RP %	NA %	DF %	DC/RE %	ND %
LILW-SL	Storage / OAP-SF2	N	N	5.000	5.000	50.00	0.00	0.00	50.00	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

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	N	Same	N
Containerization	N	N	Increase	N
Encapsulation	N	N	Increase	N

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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)

Spent Sources > 30 years in Storage

Data available but will not be reported.

Attachment #841: SRS Data (GT30)

SRS thailand.xls

SRS inventory (as of January 2004)

Multiple Nuclides SRS in Storage

Data available but will not be reported.