

Site (Data) : NIPNE

Stock of waste as at December 2007

Country: ROMANIA

Reporting Year: 2007

Site Name: NIPNE

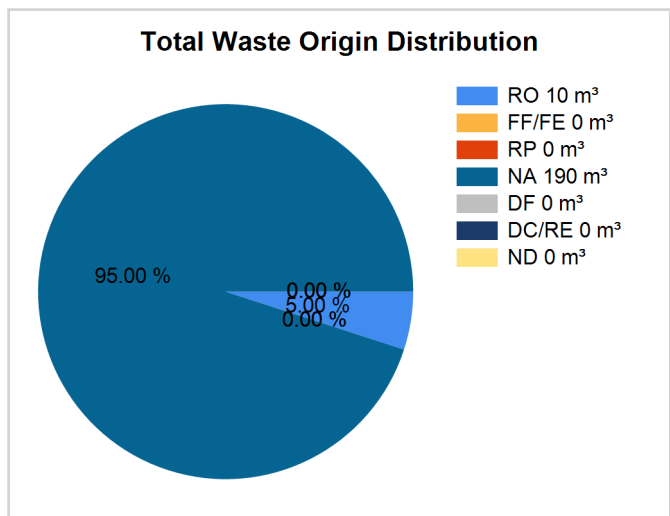
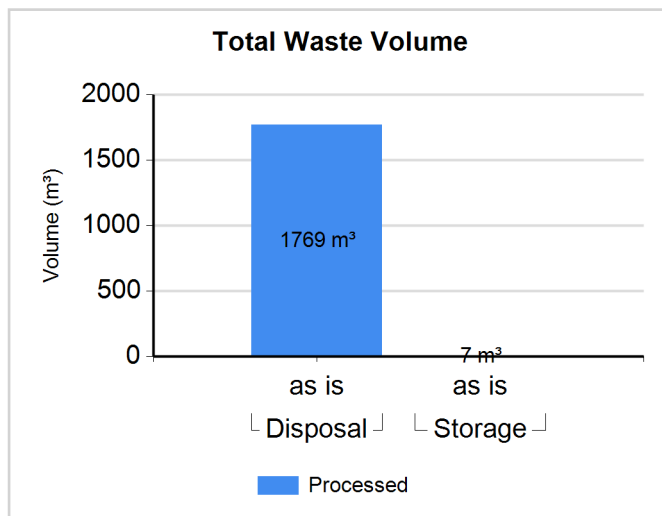
Full Name: National Institute for Development&Research for Physics and Nuclear Engineering - "Horia Hulubei"

Inventory Reporting Date: December 2007

Waste Matrix Used: IAEA Def.

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	Disposal / DNDR	Y	N	1769.000	1769.000	10.00	0.00	0.00	90.00	0.00	0.00	0.00

Comment # 6611: The additional characteristics of the waste

Processed: solid (non-dispersible)

Waste Class: LILW-LL

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-LL	Storage / STDR-Mag	Y	N	7.000	7.000	0.00	0.00	0.00	100.00	0.00	0.00	0.00

Comment # 6612: The additional characteristics of the waste

Unprocessed: solid (non-dispersible)

Comment # 12222: Waste Storage facilities/Class LILW-LL/Site NIPNE

The processed waste refers to the radium spent sealed radioactive sources conditioned for long term storage

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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	Suspended	N
Compaction	N	N	Decrease	N
Decontamination	N	N	Decrease	N
Evaporation	N	N	Suspended	N
Filtration	N	N	Suspended	N
Incineration	N	N	Decrease	N
Ion Exchange	N	N	Suspended	N
Shredding and Compaction	N	N	Decrease	N

Comment # 9745: Waste Treatment on Site NIPNE

The authorization of installation for the treatment of liquid radioactive waste was suspended by competent authority (CNCAN). The owner of the installation has the intention to purchase a new liquid treatment installation.

Processing - Conditioning method(s)

Method	Status			
	Planned	R&D program	Current practice method use over the last 5 years	Past Practice
Bituminization	N	Y		N
Cementation	N	N	Decrease	N
Encapsulation	N	N	Intermittent	N
Polymerization	N	Y		N