

Site (Data) : NES

Stock of waste as at December 2011

Country: AUSTRIA

Reporting Year: 2011

Site Name: NES

Full Name: Nuclear Engineering Seibersdorf GmbH

Inventory Reporting Date: December 2011

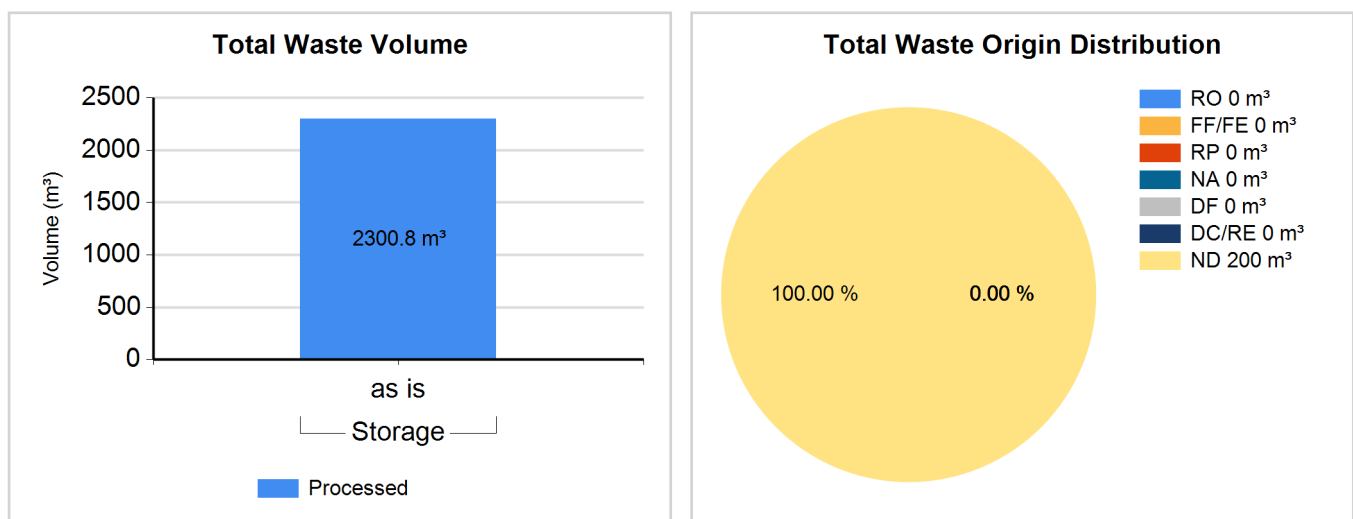
Waste Matrix Used: IAEA Def.

Comment # 12236: Site NES

The only radioactive waste management facility existing in Austria is the Nuclear Engineering Seibersdorf GmbH (NES), A-2444 Seibersdorf. NES is located at the site of the Austrian Research Centers Seibersdorf, south of Vienna.

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	N	2238.800	2238.800	0.00	0.00	0.00	0.00	0.00	0.00	100.00

Comment # 22985:

VLLW is arising in Austria, but it is not collected and treated separately. Therefore, this waste stream is included in LLW.

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	N	62.000	62.000	0.00	0.00	0.00	0.00	0.00	0.00	100.00

Comment # 22986:

In the past, only some "special waste" was assigned as ILW (e. g. 226Ra-sources, which cannot be regarded as sealed sources). Now, waste with more than 400 Bq/g long lived alpha-isotopes is assigned as ILW. The data in the reports 2006 - 2008 were recalculated accordingly.

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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	Decrease	N
Filtration	N	N	Decrease	N
Incineration	N	N	Same	N
Membrane Technology	N	N	Increase	N
Segregation/Sorting	N	N	Same	N
Super Compaction	N	N	Same	N
Thermal Treatment (non incineration)	N	N	Increase	N

Comment **# 12242: Waste Treatment on Site NES**

Annex L1 of the JC Report contains a brief description of all treatment and conditioning processes carried out at the Nuclear Engineering Seibersdorf GmbH (NES). The treatment methods over the last 5 years have been the same.

Processing - Conditioning method(s)

Method	Status			
	Planned	R&D program	Current practice method use over the last 5 years	Past Practice
Cementation	N	N	Decrease	N
Grouting	N	N	Increase	N

Comment **# 14639: Processing - Conditioning method(s)**

In the last five years, homogenous cementation (of ashes, sludges etc.) was largely replaced by supercompaction and grouting.