

Site (Data) : Fugen

Stock of waste as at March 2005

Country: JAPAN

Reporting Year: 2004

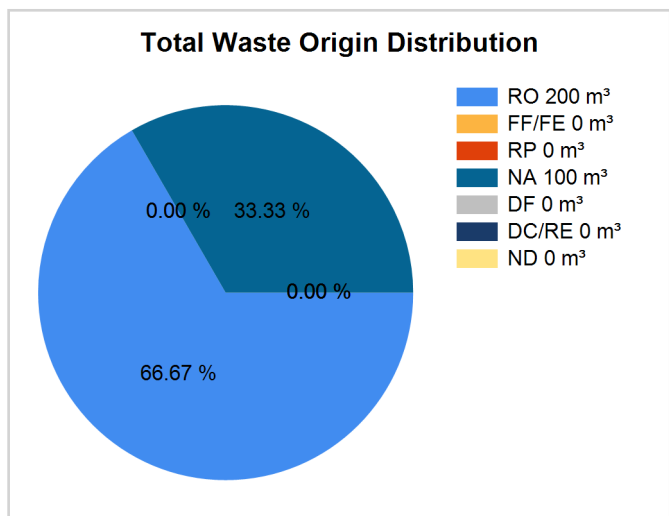
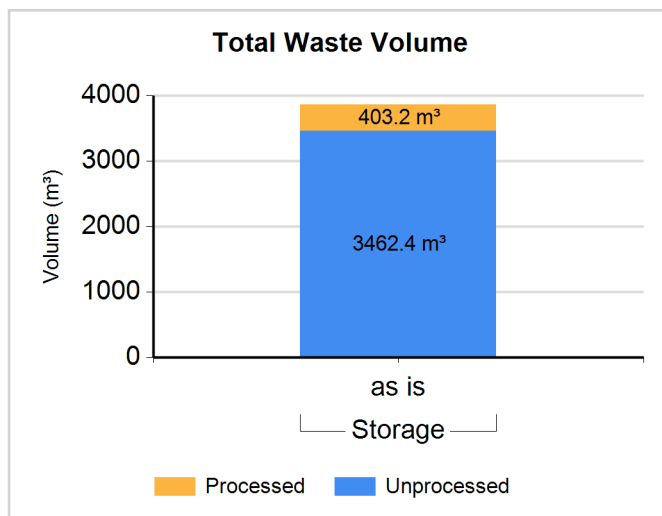
Site Name: Fugen**Full Name:** Japan Nuclear Cycle Development Institute ::
Fugen Nuclear Power Station**Inventory Reporting Date:** March 2005**Waste Matrix Used:** JP**Comment** # 6931: Fugen ATR

Power Reactor facility at a stage of Research and Development

• 165MWe(Advanced Thermal Reactor, ATR) ;ceased commercial operation on 2003.03

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: WfNA

Waste Class Name	Location / Facility	Proc	Est.	Volume "as is" (m³)	Volume "as dispo" (m³)	RO %	FF/FE %	RP %	NA %	DF %	DC/RE %	ND %
WfNA (solid)	Storage	N	N	3249.400	3249.400	100.00	0.00	0.00	0.00	0.00	0.00	0.00
WfNA (solid)	Storage	Y	N	403.200	403.200	100.00	0.00	0.00	0.00	0.00	0.00	0.00

Comment # 9889: WfNA Inventory in Fugen

WfNA has generated from ATR operation.

• 18,263 drums (200L equivalent) in SWS/B

• 211.4 m³ in tanks

†:Waste stored in pool are not reported.

+ 5 spent control rods, 102 neutron detectors

Waste Class: RIW

Waste Class Name	Location / Facility	Proc	Est.	Volume "as is" (m³)	Volume "as dispo" (m³)	RO %	FF/FE %	RP %	NA %	DF %	DC/RE %	ND %
RIW (solid)	Storage	N	N	213.000	213.000	0.00	0.00	0.00	100.00	0.00	0.00	0.00

Comment # 9888: RIW in Fugen NPP

RIW has generated from heavy water purification.

• 1,065 drums (200L equivalent) in SWS/B

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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	Y	N		N
Decontamination	Y	N		N
Evaporation	N	N	Same	N
Incineration	N	N	Same	N

Processing - Conditioning method(s)

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