

## Site (Data) : Fukushima1

Stock of waste as at March 2005

Country: JAPAN

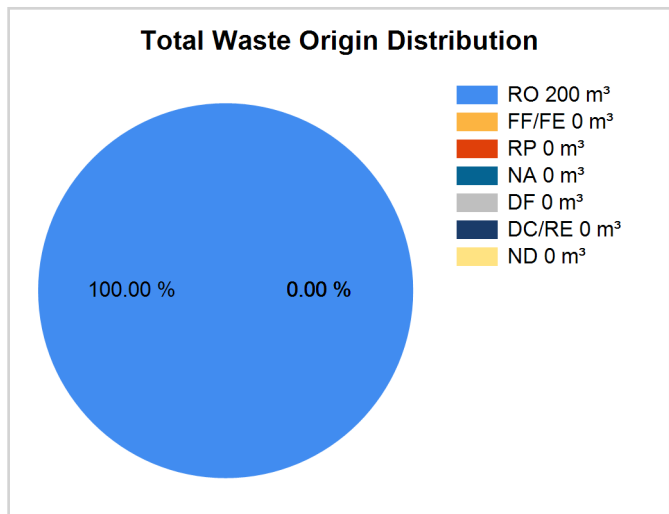
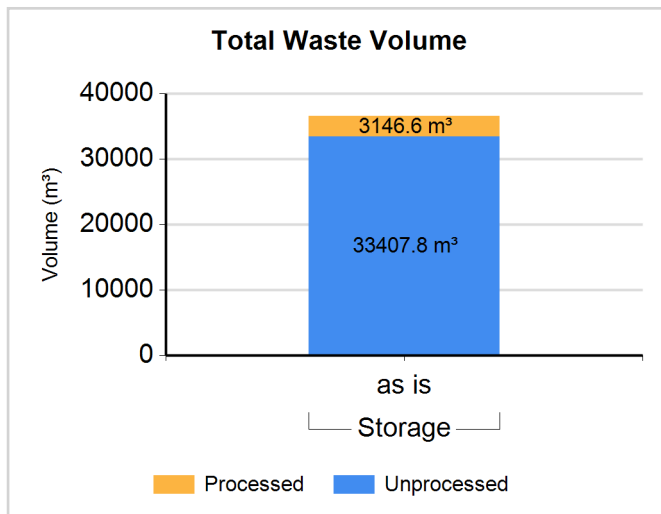
Reporting Year: 2004

**Site Name:** Fukushima1**Full Name:** Tokyo Electric Power Co., Inc. ::  
Fukushima Daiichi Nuclear Power Station**Inventory Reporting Date:** March 2005 **Waste Matrix Used:** JP**Comment** # 6956: Power Reactor facility

- Fukushima Daiichi-1(BWR, 460MWe) op 1971-03-26
- Fukushima Daiichi-2(BWR, 784MWe) op 1974-07-18
- Fukushima Daiichi-3(BWR, 784MWe) op 1976-03-27
- Fukushima Daiichi-4(BWR, 784MWe) op 1978-10-12
- Fukushima Daiichi-5(BWR, 784MWe) op 1978-04-18
- Fukushima Daiichi-6(BWR, 1,100MWe) op 1979-10-24

**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:** WfPR

Waste Class Name	Location / Facility	Proc	Est.	Volume "as is" (m³)	Volume "as dispo" (m³)	RO %	FF/FE %	RP %	NA %	DF %	DC/RE %	ND %
WfPR (solid)	Storage / NPP	N	N	33407.800	33407.800	100.00	0.00	0.00	0.00	0.00	0.00	0.00
WfPR (solid)	Storage / NPP	Y	N	3146.600	3146.600	100.00	0.00	0.00	0.00	0.00	0.00	0.00

**Comment** # 9841: Waste Inventory in TokyoEP::Fukushima Daiichi NPP

- 165,807 drums (200L equivalent) in SWS/B
  - 3,393 m³ in tanks
- †:Waste stored in pools/bunker are not reported.  
+ 1,019 spent control rods, 18,684 channel box etc., other 169 m³

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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
Compaction	N	N	Same	N
Evaporation	N	N	Same	N
Incineration	N	N	Same	N
Shredding	N	N	Same	N
Size Reduction	N	N		Y

Comment **# 9842: Waste Processing in TokyoEP::Fukushima Daiichi NPP**

Incineration: With high temperature (~1500°C), ash are melted and converted to slag form.

Shredding: of spent control rods, channel boxes.

Size Reduction: replaced shrouds of the reactor were dismantled (Unit -1, -2, -3, -5).

**Processing - Conditioning method(s)**

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

Comment **# 9843: Waste Processing in TokyoEP::Fukushima Daiichi NPP**

Solidification: Slurry waste such as condensed wastewater and powder resins are converted to solid waste form (pellet) and stored in tanks prior to produce disposal packages.

Cementation: Those pelletized wastes may be solidified into a container (drum) with cement to produce disposal packages; this issue is not reported as cementation. Instead, the cement-mixing method, which had been used for conditioning of slurry waste, is reported as a past practice.