

Site (Data) : National

Stock of waste as at December 2005

Country: GERMANY

Reporting Year: 2005

Site Name: National

Full Name: National is a "theoretical site" that includes some individual existing sites as well as sites grouped to facilitate reporting. There are various locations and license holders.

Inventory Reporting Date: December 2005 Waste Matrix Used: GER

Comment # 324: Processing Facilities

In addition to the stationary waste processing facilities there are several mobile waste processing facilities available which can be transported and operated at the waste generator's site.

Comment # 325: Operating Life of Storage Facilities

Radioactive waste has to be stored until a final repository is available. The intended start of operation of a German repository for radioactive waste is approximately in the year 2030. The estimated Operating Life of the storage facilities is the time from facility construction to 2030.

Comment # 326: LSSt

The Federal States Collecting Depots combined in this group are:

Landessammelstelle Baden-Württemberg,
Landessammelstelle Bayern,
Landessammelstelle Berlin,
Landessammelstelle Hessen,
Landessammelstelle Niedersachsen,
Landessammelstelle Nordrhein-Westfalen,
Landessammelstelle Rheinland-Pfalz,
Landessammelstelle Saarland,
Landessammelstelle Sachsen,
Landessammelstelle Schleswig-Holstein,
Vorläufige Verwahrstelle Brandenburg

Comment # 327: Industry

The Nuclear Industry combined in this group are:

Advanced Nuclear Fuels GmbH,
Siemens AG - Unternehmensbereich Kraftwerk Union,
Urenco GmbH Gronau,
Urenco GmbH Jülich.

Nukem and Siemens Brennelementewerk Hanau/MOX are listed as separate facilities.

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Comment # 328: NPP

The Nuclear Power Plants combined in this group are:

Kernkraftwerk Biblis A und B,
Kernkraftwerk Brokdorf,
Kernkraftwerk Brunsbüttel,
Kernkraftwerk Emsland,
Kernkraftwerk Grafenrheinfeld,
Kernkraftwerk Grohnde,
Kernkraftwerk Gundremmingen Blöcke B und C,
Kernkraftwerk Isar 1,
Kernkraftwerk Isar 2,
Kernkraftwerk Krümmel,
Kernkraftwerk Mülheim-Kärlich,
Kernkraftwerk Neckarwestheim Blöcke 1 und 2,
Kernkraftwerk Obrigheim,
Kernkraftwerk Philippsburg Blöcke 1 und 2,
Kernkraftwerk Stade,
Kernkraftwerk Unterweser,
Kernkraftwerk Greifswald,
Kernkraftwerk Gundremmingen Block A,
Kernkraftwerk Hamm-Uentrop,
Kernkraftwerk Jülich,
Kernkraftwerk Lingen,
Kernkraftwerk Rheinsberg,
Kernkraftwerk Würgassen,
Kernkraftwerk-Betriebsgesellschaft KNK,
Kernkraftwerk-Betriebsgesellschaft MZFR,
Versuchsatomkraftwerk Kahl VAK

Comment # 329: Research

The Research Institutes combined in this group are:

Europäisches Institut für Transurane,
Forschungs-und Meßreaktor Braunschweig,
Forschungsreaktor Garching,
Forschungszentrum Geesthacht GmbH,
Hahn-Meitner-Institut Berlin GmbH,
Institut für Radiochemie.

Forschungszentrum Jülich GmbH,
Forschungszentrum Karlsruhe GmbH and
VKT Rossendorf are listed as separate facilities.

Comment # 330: Other

Waste Generators combined in this group are:

Bundeswehr,
AEAT Lehse

Comment # 331: HGW

Only liquid High Active Concentrate (as "unprocessed") and vitrified High Active Concentrate (as "processed") is included. Spent fuel and core scrap from light-water-reactors is not included.

Comment # 332: Reprocessing abroad

Spent fuel from German NPPs was/is shipped to France and Great Britain for reprocessing. The waste products will be reported when they are returned to Germany.

Comment # 333: Decommissioning waste

Decommissioning waste is reported together with operational waste of the respective origin

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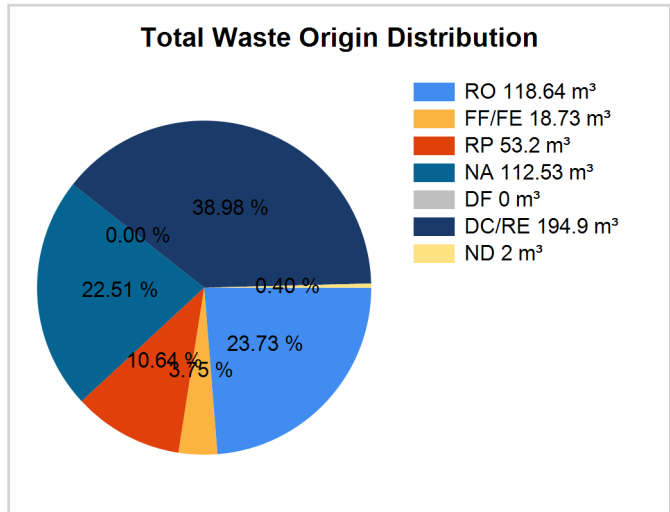
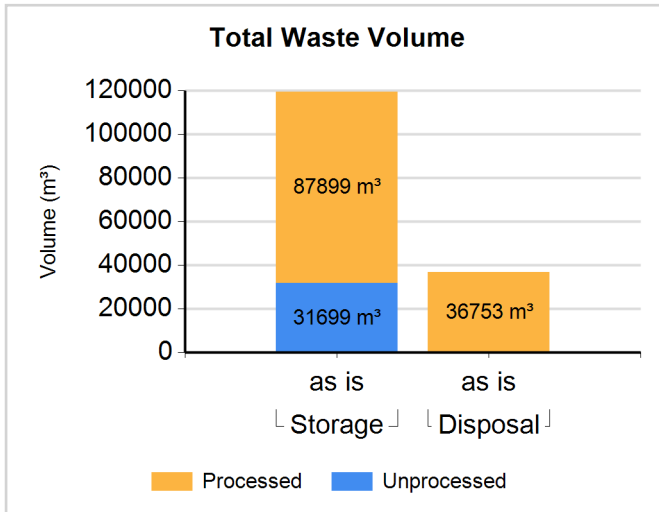
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Waste Inventory

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: NHGW

Waste Class Name	Location / Facility	Proc	Est.	Volume "as is" (m³)	Volume "as dispo" (m³)	RO %	FF/FE %	RP %	NA %	DF %	DC/RE %	ND %
NHGW	Storage	N	N	31251.000	31251.000	20.00	10.10	3.60	40.00	0.00	24.30	2.00
NHGW	Storage	Y	N	86096.000	86096.000	16.90	8.20	15.90	48.30	0.00	10.70	0.00
NHGW	Disposal	Y	N	36753.000	36753.000	81.44	0.43	0.00	18.13	0.00	0.00	0.00

Waste Class: HGW

Waste Class Name	Location / Facility	Proc	Est.	Volume "as is" (m³)	Volume "as dispo" (m³)	RO %	FF/FE %	RP %	NA %	DF %	DC/RE %	ND %
HGW	Storage	N	N	448.000	448.000	0.00	0.00	13.00	0.00	0.00	87.00	0.00
HGW	Storage	Y	N	1803.000	1803.000	0.30	0.00	20.70	6.10	0.00	72.90	0.00