

Site (Data) : SF&RW

Stock of waste as at December 2013

Country: GERMANY

Reporting Year: 2013

Site Name: SF&RW

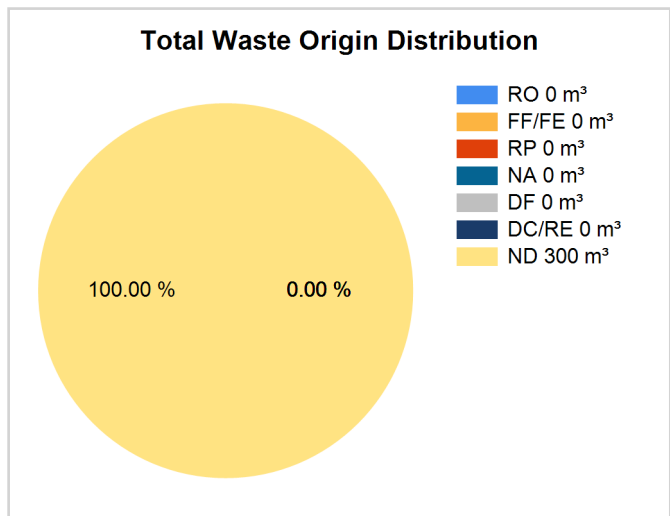
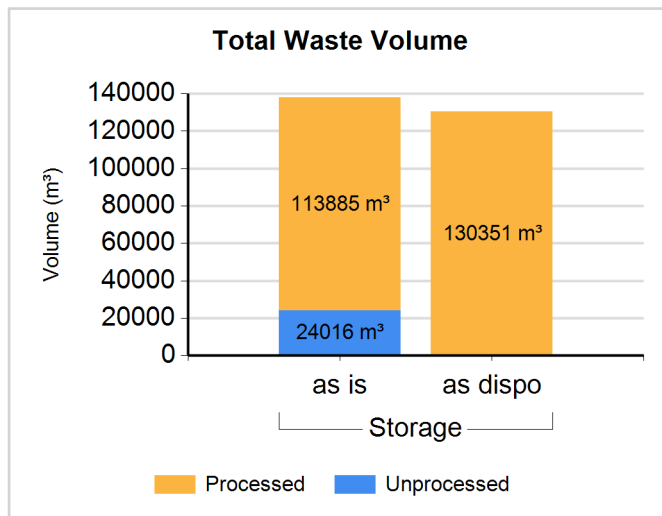
Full Name: Structure for entering the amount of waste.

Inventory Reporting Date: December 2013

Waste Matrix Used: GER

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 | 23295.000 | 23295.000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 |
| NHGW | Storage | Y | N | 113885.000 | 130351.000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 |

Comment # 27947: Assumptions

The unit the unprocessed waste is measured is in metric tons. A theoretical conversion factor of 1 ton per cubic meter is used to convert the unit of this value to cubic meter. Assumptions for "as disposed" volume are not reliable for unprocessed waste.

The volume of processed waste as disposed is calculated as follows: Processed waste in Konrad container: 97,419 cubic meter; Processed waste in inner container: 16,466 cubic meter; A theoretical conversion factor of 2 is used to convert the volume of an inner container to a theoretical volume of a Konrad container. (factor range: approx. 1.6 to 4.4)

Waste Class: HGW (in m3)

| 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 (in m3) | Storage | N | N | 721.000 | 721.000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 |

Comment # 29675:

Assumptions for the disposal volume is not reliable for unprocessed waste.

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Spent Fuel in Storage

Spent Fuel "domestic" (tHM): 8226

Comment **# 27948: Description of foreign spent fuel**

"Nuclear Power Reactors" As at 31 December 2013, there was a total of about 14,886 Mg HM in the form of spent fuel. Of these, a total of approx. 8,216 Mg HM are in stored at the NPP sites, i.e. in the fuel pools, or in the centralised and local dry storage facilities. 6,343 Mg HM were reprocessed mostly in other European countries, and 327 Mg HM were otherwise disposed of.

"Demonstration Reactors": Eight experimental and demonstration reactors were operated in the Federal Republic of Germany, which are all under decommissioning or have already completely been dismantled. Their operation generated 190 Mg HM of which approx. 180 Mg HM were reprocessed or were otherwise disposed of.