

## Waste Classification Schemes

Country: GERMANY

Reporting Year: 2013

Waste Class Matrix: **IAEA Def.**

This country does use the IAEA Scheme: No

Description: The Agency's standard matrix

Waste Class Name	Distribution %			
	VLLW	LLW	ILW	HLW
VLLW	100.0	0.0	0.0	0.0
LLW	0.0	100.0	0.0	0.0
ILW	0.0	0.0	100.0	0.0
HLW	0.0	0.0	0.0	100.0

Waste Class Matrix: **GER**

Yes

Description: All types of radioactive waste has to be disposed of in deep geological formations. This makes it unnecessary to differentiate between waste containing radionuclides with comparatively short and long half-lives. Waste is initially subjected to a basic subdivision into Waste with Negligible Heat Generation (NHGW) and Heat Generating Waste (HGW).

Waste Class Name	Distribution %			
	VLLW	LLW	ILW	HLW
NHGW	0.0	90.0	10.0	0.0
HGW (in m3)	0.0	0.0	25.0	75.0
HGW (in MTHM)	0.0	0.0	0.0	100.0

Comment **# 29674: Basics for the classification scheme**

The percentages in the matrix for NHGW are based upon waste characteristics including radionuclide inventory and estimated annual arisings provided by the waste generators (Internal BfS-report ET-IB-52). The characteristics were compared with the limits for long-lived nuclides and heat generation specified for the IAEA's waste classification scheme.

The ratio for HGW in Kubikmeters is based on the current amount of waste from reprocessing returned to Germany and other HGW. The ratio will change in the future.

The ratio of HGW in Metric Tons of Heavy Metal includes Spent Fuel that is HLW. Note: If SF assemblies will be conditioned (depending on the disposal concept) then it could generate ILW (e.g. structural parts). In conclusion, SF assemblies including HLW (spent fuel) and ILW (structural parts). The ratio refers only to spent fuel ("MTHM").

**Definition of «unprocessed waste» and «processed waste»:**

This country uses the following definitions:

	as-generated waste	processed for handling	processed for storage	processed for disposal
Unprocessed means:	x	x	x	
Processed means:				x

Comment **# 12227: Definitions for Unprocessed Waste and Processed W**

Germany usually uses the term "conditioned" for waste that needs no more physical or chemical treatment for disposal.