

Waste Classification Schemes

Country: GERMANY

Reporting Year: 2007

Waste Class Matrix: **IAEA Def.**

This country does use the IAEA Scheme: No

Description: The Agency's standard matrix

Waste Class Name	Distribution %		
	LILW-SL	LILW-LL	HLW
LILW-SL	100.0	0.0	0.0
LILW-LL	0.0	100.0	0.0
HLW	0.0	0.0	100.0

Waste Class Matrix: **GER**

Description: NHGW = negligible heat generating waste
 HGW = heat-generating waste
 The percentages in the matrix 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.

Waste Class Name	Distribution %		
	LILW-SL	LILW-LL	HLW
NHGW	90.0	10.0	0.0
HGW	0.0	0.0	100.0

Comment **# 255: waste-classification**

According to repository-relevant aspects all radioactive waste produced is basically classified in waste with negligible heat generation (NHGW) and heat-generating waste (HGW). NHGW is defined in the "guideline concerning the controlling of radioactive waste with negligible heat generation that do not have to be delivered to a federal state collecting depot" [1] as waste to be disposed of in the planned Konrad repository. I.e. the radionuclide inventory of NHGW is limited by the Konrad waste acceptance requirements [2]. Radioactive waste exceeding these limits (i.e. spent fuel and radioactive waste from reprocessing of spent fuel) is considered HGW.

[1] "Bekanntmachung der Richtlinie zur Kontrolle radioaktiver Abfälle mit vernachlässigbarer Wärmeentwicklung, die nicht an eine Landessammelstelle abgeliefert werden vom 16. Januar 1989", Bundesanzeiger 41 (1989) no. 63a, p. 1-12

[2] P. Brennecke, "Anforderungen an endzulagernde radioaktive Abfälle (Endlagerungsbedingungen, Stand: Dezember 1995) - Schachanlage Konrad -", Interner BfS-Bericht ET-IB-79, Bundesamt für Strahlenschutz, Salzgitter (1995)

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

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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.