

Waste Classification Schemes

Country: BULGARIA

Reporting Year: 2012

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

Comment **# 7363: Waste disposal limits**

National classification of waste is defined in the Regulation on Safety of Waste Management from 2004 and is substantially the same as the IAEA classification. Category 1, "transitional waste", corresponds to IAEA class 1 "exempt waste". Categories 2a and 2b are the same as IAEA's LILW-SL and LILW-LL. Category 3 is HLW, differing from IAEA definition in that the value of 2kW/m³ is not explicitly defined.

Waste Class Matrix: **NPP**

Description: The nuclear power plant has six classes of LILW-SL waste. Solid waste is categorized depending on the dose rate at 0.1 m from the waste's surface and the liquid waste is categorized according to the total activity concentration.

Waste Class Name	Distribution %		
	LILW-SL	LILW-LL	HLW
Solid-1&2	100.0	0.0	0.0
Solid-3	100.0	0.0	0.0
Liquid	100.0	0.0	0.0

Comment **# 398: Waste classes**

In addition to national categorization, according to which all KNPP waste is category 2a (LILW-SL), the following sub-categorization is introduced in Kozloduy NPP.

Solid waste is categorized and sorted depending on the gamma dose-rate at 10 cm, as follows:

1st class - up to 0.3 mSv/h

2nd class - 0.3 - 10 mSv/h

3rd class - more than 10 mSv/h

Liquid waste is categorized according to its activity concentration, as follows:

1st class (LLW) - up to 0.37 MBq/l

2nd class (ILW) - 0.37 MBq/l - 37 GBq/l

3rd class (HLW) - more than 37 GBq/l

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Waste Class Matrix: **BGNatI**

Description: high level waste with such a concentration of radionuclides that heat generation shall be considered during storage and disposal

Waste Class Name	Distribution %		
	LILW-SL	LILW-LL	HLW
Category 2b	0.0	100.0	0.0
Category 2a	100.0	0.0	0.0
Category 3	0.0	0.0	100.0

Attachment **#1369: Waste Matrix**

Bulgaria 2004 Waste Regulation.pdf

REGULATION FOR SAFE MANAGEMENT
OF RADIOACTIVE WASTEAdopted by the Council of Ministers Decree No. 198 of 03.08.2004, promulgated in SG No. 72 of 17.08.2004
(in English)**Definition of «unprocessed waste» and «processed waste»:**

This country uses the IAEA standard definition:

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