

Waste Classification Schemes

Country: BULGARIA

Reporting Year: 2005

Waste Class Matrix: **IAEA Def.**

This country does use the IAEA Scheme: Yes

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

Comment **# 7363: Waste disposal limits**

National classification of waste is defined in Regulation 7 and is NOT disposal oriented. At the same time Regulation 7 specifies alpha activity limits for the waste suitable for near-surface disposal, which are very similar to IAEA classification scheme (an average of 370MBq/t for the facility and up to 3.7 GBq/t for individual waste package). This is the reason to use IAEA matrix when reporting disposed or prepared for disposal waste.

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	100.0	0.0	0.0
Solid-2	100.0	0.0	0.0
Solid-3	100.0	0.0	0.0
Liquid-1	100.0	0.0	0.0
Liquid-2	100.0	0.0	0.0
Liquid-3	100.0	0.0	0.0

Comment **# 398: Waste classes**

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

Attachment **#163: Waste Matrix**

Nar7_ANN.pdf

Annex 4 to Regulation 7 of the CUAPEP contains the national classification scheme of solid radioactive waste

Attachment **#164: Waste Matrix**

NAR7_E.pdf

Regulation 7 on collecting, storage, processing, keeping, shipment and disposal of radioactive waste on the territory of the Republic of Bulgaria. Article 14 defines the national classification scheme of liquid RW.

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

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This country uses the IAEA standard definition:

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