

## Waste Classification Schemes

Country: ARMENIA

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: **National**

Yes

Description: Based on activity content wastes are classified into 3 classes: low level (LLW), Intermediate level (ILW), high level (HLW)

Waste Class Name	Distribution %			
	VLLW	LLW	ILW	HLW
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 **# 26898:**

Gaseous wastes are considered as radioactive if the specific activity of them exceeds the permissible levels of specific activities specified in the radiation protection standards.

Liquid wastes are considered radioactive if the specific activity of contained radioactive isotopes in case of interaction with water exceeds the intervention levels specified by the radiation protection standards for more than 10 times.

Solid wastes are considered radioactive if the specific activity of contained radioactive isotopes above the regulatory levels specified in the radiation protection standards, and in case of indefinite composition of radioactive isotopes the specific activity exceed:

- 100 kBq/kg for beta radiation sources
- 10 kBq/kg for alpha radiation sources
- 1,0 kBq/kg for transuranium radioactive isotopes

Comment **# 26901:**

According to the specific activity the radioactive wastes are classified:

- Low level waste - if the specific activity of contained beta emitting radioactive isotopes less than 1E3 kBq/kg, or the specific activity of alpha radioactive isotopes (except for transuranium isotopes) less than 1E2 kBq/kg, or specific activity of transuranium radioactive isotopes less than 1E1 kBq/kg
- Intermediate level waste - if the specific activity of contained beta emitting radioactive isotopes is from 1E3 kBq/kg to 1E7 kBq/kg, or the specific activity of alpha radioactive isotopes (except for transuranium isotopes) is from 1E2 kBq/kg to 1E6 kBq/kg, or specific activity of transuranium radioactive isotopes is from 1E1 kBq/kg to 1E5 kBq/kg
- High level waste - if the specific activity of contained beta emitting radioactive isotopes more than 1E7 kBq/kg, or the specific activity of alpha radioactive isotopes (except for transuranium isotopes) more than 1E6 kBq/kg, or specific activity of transuranium radioactive isotopes more than 1E5 kBq/kg

Attachment **#2285: Waste Matrix**

RULES ON PROTECTION AGAINST IONIZING RADIATION AND SAFETY OF IONIZING SOURCE.doc

**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