

Waste Classification Schemes

Country: FRANCE

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: **M2**

Yes

Description: M2 valid for all producers. In France, radioactive waste is divided into the following categories: TFA (very-low-level waste - VLLW); FMA-VC (low- and intermediate-level, short-lived waste - LILW-SL); FA-VL (low-level, long-lived waste - LLW-LL); MA-VL (intermediate-level, long-lived waste - ILW-LL); HA (high-level waste - HLW)

Waste Class Name	Distribution %			
	VLLW	LLW	ILW	HLW
TFA	100.0	0.0	0.0	0.0
FMA-VC	0.0	100.0	0.0	0.0
FA-VL	0.0	0.0	100.0	0.0
MA-VL	0.0	0.0	100.0	0.0
HA	0.0	0.0	0.0	100.0

Comment **# 24735: Waste Matrix M2**

In the French classification system, the category reflects not only the activity level or half-life of the waste concerned, but at first its management solution. In most cases, the radiological characteristics of the waste are those defined in the category to which the waste belongs. The characteristics (e.g. chemical composition) of some waste, however, may impose a different management solution. In such cases, the waste is assigned to the category concerned by this management solution

Comment **# 24736: FA-VL waste**

FA-VL (low level long-lived) waste comprise radium-bearing waste with some 70,000 m3 (originating from chemical industry) and graphite waste with some 100,000 m3 (originating from the first generation of French graphite-gas reactors, called UNGG, and being dismantled) is currently the subject of studies performed by Andra. Other waste such as disused sealed sources or bituminous waste could be added to this inventory, meaning some 30,000 to 40,000 m3 more. graphite waste from former NPP's and radium waste which mainly originates from non-nuclear industries. The disposal option is still under study either in sub-surface or deep repository. Therefore, without any further consideration, Andra categorizes this waste in the ILW class as defined by IAEA .

Attachment **#2167: Waste Matrix**

PNGMDR_09012-1_gestion déchets nucléaires_gb_11-10-2010_def_web.pdf

The French National Plan for the management of radioactive materials and waste - Summary

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

Comment **# 14628: Definitions for Unprocessed and Processed Waste**

Radioactive wastes reported in the French national inventory are mostly accounted for in conditioned volumes. With regard to the "unprocessed/processed waste" matrix they are only categorized as processed waste.