

## Groups Overview

Country: SWITZERLAND

Reporting Year: 2004

<b>Reporting Group:</b>	<b>BAG</b>
Inventory Reporting Date:	December 2004
Waste Matrix Used:	IAEA Def.
Description:	Wastes from Nuclear Applications in Medicine, Industry and Research Held under BAG's Supervision

Site Name	Facility Name	Facilities Defined		
CERN	WMF@CERN	processing	storage	
PSI(BAG)	WMF@PSI-W	processing	storage	

## Comment # 7226: General

The Federal Office of Health (BAG) is the supervisory body for radwaste management activities at sites which do not fall under nuclear regulation in a legal sense [note: those are supervised by the Nuclear Safety Inspectorate (HSK)], dealing with a broad variety of waste producers in the field of nuclear applications in medicine, industry and research.

Waste arisings destined to disposal in a nuclear repository are

(a) collected on behalf of BAG (possibly after pretreatment, subject to fee) and routed to a national delivery point (PSI-East), where they are conditioned and stored under HSK's supervision (see: Reporting Group "HSK") - standard procedure for small producers, option for large nuclear research centres (CERN, PSI outside HSK's supervision), or

(b) storage after/without treatment or conditioning at site - standard procedure for large-sized decommissioning wastes of large nuclear research centres.

BAG has no legal obligation for public reporting on wastes falling under (b) [note: category (a) is included under reporting for PSI(HSK)]. Hence, information given is restricted to some qualitative issues.

Note, however, that registration of wastes of category (b) into the database system for Swiss radioactive wastes (ISRAM) has been accepted by PSI and CERN and is being implemented.

<b>Reporting Group:</b>	<b>Foreign</b>
Inventory Reporting Date:	December 2004
Waste Matrix Used:	IAEA Def.
Description:	Swiss wastes stored outside Switzerland

Site Name	Facility Name	Facilities Defined		
ForeignRP	BNFL	processing		
	Cogema	processing		

## Comment # 7229: General

All Swiss NPP's have current service contracts with BNFL (United Kingdom) and COGEMA (France) for the reprocessing of a qualified amount of spent fuel. These are subject to a return-of-waste clause which is exercised by both reprocessors.

Reprocessing wastes to be returned include, in both cases, vitrified HLW and a spectrum of LILW types which have been or are to be submitted to acceptance procedures in Switzerland (as well as in other countries concerned).

Known are the fuel deliveries (fuel assembly types, fuel masses, burnups) from [not reported in NEWMDB] and the waste returns to Switzerland [reported under site "ZWILAG"], up to the key date.

The overall amount of waste expected to be returned to Switzerland is known but not finalized, hence volumes are not reported.

## Groups Overview

Country: SWITZERLAND

Reporting Year: 2004

<b>Reporting Group:</b>	<b>HSK</b>
Inventory Reporting Date:	December 2004
Waste Matrix Used:	HSK
Description:	Wastes from Swiss nuclear power industry, research reactors and other nuclear installations (including the national collection centre for Federal wastes at PSI-East) held under HSK's supervision

Site Name	Facility Name	Facilities Defined		
KKB	WMF@KKB	processing	storage	
KKG	WMF@KKG	processing	storage	
KKL	WMF@KKL	processing	storage	
KKM	WMF@KKM	processing	storage	
PSI(HSK)	WMF@PSI-E	processing	storage	
ZWILAG	WMF@ZWILAG	processing	storage	

Comment **# 373: Reference Document for Reporting to NEWMDB**

HSK Supervision Report 2004, Appendix A, Tables 8 [KKB, KKG, KKL, KKM, PSI(HSK)] and 9 [ZWILAG].

Comment **# 374: Reporting on NPP sites**

For NPP sites (KKB, KKG, KKL, KKM), the Reference Document provides data on total volumes for unprocessed and processed waste stored on site, without discrimination of individual local storage units. Under this constraint, (a) information on local waste management facilities is given collectively under "WMF@KKX", (b) waste data are presented for each site in terms of a generic "overall" storage unit (named "all@KKX"), (c) the start of both treatment/conditioning and storage operations is generically set equal to the first year of commercial operation of the NPP, and (d) the type of the "overall" storage unit is defined as "various" due to effective or potential variations within the set of locally available storage units [note: conditioned and solid unconditioned wastes are usually stored in buildings or bunkers, liquids or sludges awaiting treatment in tanks].

Comment **# 378: Reporting on PSI(HSK)**

As for NPP sites, the Reference Document provides data on total volumes for unprocessed and processed waste stored at site PSI(HSK) - physically being a part of PSI-East (PSI-E) site - , not discriminating between individual local storage units. Under this constraint, (a) information on local waste management facilities is given collectively under "WMF@PSI-E", (b) waste data are presented for each site in terms of a generic "overall" storage unit (named "all@PSI-E"), (c) the start of both treatment/conditioning and storage operations is generically set equal to the first year of operation of PSI-East, and (d) the type of the "overall" storage unit is defined as "various" due to effective or potential variations within the set of locally available storage units [note: processed and solid unprocessed wastes are usually stored in buildings or bunkers, liquids or sludges awaiting treatment in tanks].

Comment **# 7224: Reporting on ZWILAG**

In the case of ZWILAG, the central Swiss waste management facility owned by the 4 Swiss NPPs, the Reference Document includes information on allocation of identified wastes to distinct storage units. For the scope of NEWMDB, information on ZWILAG waste management facilities is summarized under "WMF@ZWILAG", the active storage units (Buildings H, M and further summarized under "others") being identified for comprehensiveness. Quantitative waste data in the Reference Report are not necessarily given in volume units and there is no explicit distinction between processed and unprocessed waste, thus requiring some data evaluation preceding any input to NEWMDB.

Comment **# 7225: Reporting on Storage Capacities**

Individual statements on site-specific storage capacities are omitted. As NPPs can use the large storage capacity of ZWILAG, problems with NPP waste storage are not expected to occur. At PSI-East, a need for increased capacity could be solved in time by adding further storage buildings or by use of ZWILAG storage capacity.

Comment **# 9796: Waste Volume Data 2004-12-31**

The waste volume data presented in the Reference Document have been partially revised before publication in the Joint Convention Report 2004. For coherency at IAEA level, waste volume data in NEWMDB refer to the latter document.

## Groups Overview

Country: SWITZERLAND

Reporting Year: 2004

<b>Reporting Group:</b>	<b>Nagra</b>
Inventory Reporting Date:	December 2004
Waste Matrix Used:	Nagra
Description:	Swiss Repository Projects

Site Name	Facility Name	Facilities Defined		
EL-HAA/LMA	DU-HAA			disposal
	DU-LMA			disposal
EL-SMA	DU-SMA			disposal

Comment **# 7287: General**

Nagra, the National Cooperative for the Disposal of Radioactive Waste, has been founded in 1972 as a private organization in order to manage the task of finding and planning Swiss radwaste repositories. Shareholders are the Swiss nuclear power industry and the Swiss Confederation (on account of waste arising from nuclear applications in medicine, industry and research).

Due to the actual state of Nagra's programmes, reported information will frequently include generic statements.

<b>Reporting Group:</b>	<b>NEA-SD</b>
Inventory Reporting Date:	December 2004
Waste Matrix Used:	NEA-SD
Description:	OECD/NEA sea dumping

Site Name	Facility Name	Facilities Defined		
N-Atlantic	Sea Floor			disposal

Comment **# 372: Waste volumes**

See IAEA-TECDOC-1105 (August 1999), Annex A.11.