

## Site (Structure) : National

Country: GERMANY

Reporting Year: 2005

Full Name: National is a "theoretical site" that includes some individual existing sites as well as sites grouped to facilitate reporting. There are various locations and license holders.

Location:

Description:

Official Website:

License Holder(s):

Comment **# 324: Processing Facilities**

In addition to the stationary waste processing facilities there are several mobile waste processing facilities available which can be transported and operated at the waste generator's site.

Comment **# 325: Operating Life of Storage Facilities**

Radioactive waste has to be stored until a final repository is available. The intended start of operation of a German repository for radioactive waste is approximately in the year 2030. The estimated Operating Life of the storage facilities is the time from facility construction to 2030.

Comment **# 326: LSSt**

The Federal States Collecting Depots combined in this group are:

Landessammelstelle Baden-Württemberg,  
Landessammelstelle Bayern,  
Landessammelstelle Berlin,  
Landessammelstelle Hessen,  
Landessammelstelle Niedersachsen,  
Landessammelstelle Nordrhein-Westfalen,  
Landessammelstelle Rheinland-Pfalz,  
Landessammelstelle Saarland,  
Landessammelstelle Sachsen,  
Landessammelstelle Schleswig-Holstein,  
Vorläufige Verwahrstelle Brandenburg

Comment **# 327: Industry**

The Nuclear Industry combined in this group are:

Advanced Nuclear Fuels GmbH,  
Siemens AG - Unternehmensbereich Kraftwerk Union,  
Urenco GmbH Gronau,  
Urenco GmbH Jülich.

Nukem and Siemens Brennelementewerk Hanau/MOX are listed as separate facilities.

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## Comment # 328: NPP

The Nuclear Power Plants combined in this group are:

Kernkraftwerk Biblis A und B,  
 Kernkraftwerk Brokdorf,  
 Kernkraftwerk Brunsbüttel,  
 Kernkraftwerk Emsland,  
 Kernkraftwerk Grafenrheinfeld,  
 Kernkraftwerk Grohnde,  
 Kernkraftwerk Gundremmingen Blöcke B und C,  
 Kernkraftwerk Isar 1,  
 Kernkraftwerk Isar 2,  
 Kernkraftwerk Krümmel,  
 Kernkraftwerk Mülheim-Kärlich,  
 Kernkraftwerk Neckarwestheim Blöcke 1 und 2,  
 Kernkraftwerk Obrigheim,  
 Kernkraftwerk Philippsburg Blöcke 1 und 2,  
 Kernkraftwerk Stade,  
 Kernkraftwerk Unterweser,  
 Kernkraftwerk Greifswald,  
 Kernkraftwerk Gundremmingen Block A,  
 Kernkraftwerk Hamm-Uentrop,  
 Kernkraftwerk Jülich,  
 Kernkraftwerk Lingen,  
 Kernkraftwerk Rheinsberg,  
 Kernkraftwerk Würgassen,  
 Kernkraftwerk-Betriebsgesellschaft KNK,  
 Kernkraftwerk-Betriebsgesellschaft MZFR,  
 Versuchsatomkraftwerk Kahl VAK

## Comment # 329: Research

The Research Institutes combined in this group are:

Europäisches Institut für Transurane,  
 Forschungs-und Meßreaktor Braunschweig,  
 Forschungsreaktor Garching,  
 Forschungszentrum Geesthacht GmbH,  
 Hahn-Meitner-Institut Berlin GmbH,  
 Institut für Radiochemie.

Forschungszentrum Jülich GmbH,  
 Forschungszentrum Karlsruhe GmbH and  
 VKT Rossendorf are listed as separate facilities.

## Comment # 330: Other

Waste Generators combined in this group are:

Bundeswehr,  
 AEAT Lehse

## Comment # 331: HGW

Only liquid High Active Concentrate (as "unprocessed") and vitrified High Active Concentrate (as "processed") is included.  
 Spent fuel and core scrap from light-water-reactors is not included.

## Comment # 332: Reprocessing abroad

Spent fuel from German NPPs was/is shipped to France and Great Britain for reprocessing. The waste products will be reported when they are returned to Germany.

## Comment # 333: Decommissioning waste

Decommissioning waste is reported together with operational waste of the respective origin

Waste management facilities that are located at this site:

<b>Facility:</b>	<b>ERAM</b>
<b>Description:</b>	Repository for radioactive waste Morsleben

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**Disposal part of facility**                      **ERAM**

The following shows disposal status for waste classes and SRS.

Waste Class	Actual	Planned
NHGW	Yes	No
HGW	No	No

List SRS?	No
List UMMT?	No

Type:	geological (cavern)		
Facility is modular?	No		
Capacity existing (m3):	55000	Capacity planned (m3):	55000

Depth (m):	500	Host medium:	salt dome
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Phase Name	Start Year	End Year	Estimate
planning and/or concept assessment	1967	1970	False
site selection	1967	1970	False
design	1970	1983	False
construction	1970	1983	False
commissioning	1970	1986	False
operation	1971	1998	False
closure	2008	2022	False

## Site (Structure) : National

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Reporting Year: 2005

<b>Facility:</b>	FZJ		
<b>Description:</b>	Research Center Juelich		
<b>Processing part of facility</b>			
The following shows processing status for waste classes and SRS.			
<b>Waste Class</b>	<b>Actual</b>	<b>Planned</b>	
NHGW	No	No	
HGW	No	No	
<b>Type:</b>			
<b>Year opened:</b>			

## Site (Structure) : National

Country: GERMANY

Reporting Year: 2005

<b>Facility:</b>	FZJ		
<b>Description:</b>	Storage facility in the research center Juelich		
<b>Storage part of facility</b>			
The following shows storage status for waste classes and SRS.			
<b>Waste Class</b>	<b>Actual</b>	<b>Planned</b>	
NHGW	No	No	
HGW	No	No	
<b>List SRS?</b>	#Error		
<b>List UMMT?</b>	#Error		
<b>Capacity:</b>			

## Site (Structure) : National

Country: GERMANY

Reporting Year: 2005

<b>Facility:</b>	FZK		
<b>Description:</b>	Research Center Karlsruhe		
<b>Processing part of facility</b>			
The following shows processing status for waste classes and SRS.			
<b>Waste Class</b>	<b>Actual</b>	<b>Planned</b>	
NHGW	No	No	
HGW	No	No	
<b>Type:</b>			
<b>Year opened:</b>			

## Site (Structure) : National

Country: GERMANY

Reporting Year: 2005

<b>Facility:</b>	FZK		
<b>Description:</b>	Storage facility in the research center Karlsruhe		
<b>Storage part of facility</b>			
The following shows storage status for waste classes and SRS.			
<b>Waste Class</b>	<b>Actual</b>	<b>Planned</b>	
NHGW	No	No	
HGW	No	No	
<b>List SRS?</b>	#Error		
<b>List UMMT?</b>	#Error		
<b>Capacity:</b>			

## Site (Structure) : National

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Reporting Year: 2005

<b>Facility:</b>	<b>GNS-DU</b>									
<b>Description:</b>	GNS processing facility for radioactive waste in Duisburg									
<b>Processing part of facility</b>										
The following shows processing status for waste classes and SRS.										
<table border="1"><thead><tr><th>Waste Class</th><th>Actual</th><th>Planned</th></tr></thead><tbody><tr><td>NHGW</td><td>No</td><td>No</td></tr><tr><td>HGW</td><td>No</td><td>No</td></tr></tbody></table>	Waste Class	Actual	Planned	NHGW	No	No	HGW	No	No	
Waste Class	Actual	Planned								
NHGW	No	No								
HGW	No	No								
<b>Type:</b>										
<b>Year opened:</b>										



## Site (Structure) : National

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Reporting Year: 2005

<b>Facility:</b>	<b>Gorleben</b>
<b>Description:</b>	Gorleben salt dome; since 2000 interruption of investigations for 3 to 10 years

**Disposal part of facility Gorleben**

The following shows disposal status for waste classes and SRS.

Waste Class	Actual	Planned
NHGW	No	Yes
HGW	No	Yes

List SRS?	No
List UMMT?	No

Type:	geological (cavern)		
Facility is modular?	Yes		
Capacity existing (m3):	0	Capacity planned (m3):	400000

Depth (m):	900	Host medium:	salt dome
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Phase Name	Start Year	End Year	Estimate
planning and/or concept assessment	1979	2000	False
site selection	1977	1977	False

## Site (Structure) : National

Country: GERMANY

Reporting Year: 2005

<b>Facility:</b>	<b>GorlebenSt</b>					
<b>Description:</b>	Storage facility for NHGW (ALG) and HGW (TBLG) in Gorleben					
<b>Storage part of facility                      GorlebenSt</b>						
The following shows storage status for waste classes and SRS.						
<b>Waste Class</b>	<b>Actual</b>	<b>Planned</b>				
NHGW	Yes	Yes				
HGW	Yes	Yes				
<b>List SRS?</b>	No					
<b>List UMMT?</b>	No					
<b>Capacity:</b>	Up to a total activity of 5E+18 Bq (ALG) and 2E+20 Bq (TBLG)					
<b>Types of Storage Units</b>						
<b>Storage Unit Name</b>	<b>Type Name</b>	<b>Year Opened</b>	<b>Closed?</b>	<b>Full?</b>	<b>Modular?</b>	<b>Contains SRS?</b>
ALG	building	1984	No	No	No	No
TBLG	building	1995	No	No	No	No

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Reporting Year: 2005

<b>Facility:</b>	<b>GRB</b>									
Description:	Storage facility in Mitterteich									
<b>Storage part of facility</b>										
The following shows storage status for waste classes and SRS.										
<table border="1"><thead><tr><th>Waste Class</th><th>Actual</th><th>Planned</th></tr></thead><tbody><tr><td>NHGW</td><td>No</td><td>No</td></tr><tr><td>HGW</td><td>No</td><td>No</td></tr></tbody></table>	Waste Class	Actual	Planned	NHGW	No	No	HGW	No	No	
Waste Class	Actual	Planned								
NHGW	No	No								
HGW	No	No								
List SRS?	#Error									
List UMMT?	#Error									
Capacity:										

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Country: GERMANY

Reporting Year: 2005

<b>Facility:</b>	<b>Industry</b>		
Description:	Nuclear Industry		
<b>Storage part of facility</b>			
The following shows storage status for waste classes and SRS.			
<b>Waste Class</b>	<b>Actual</b>	<b>Planned</b>	
NHGW	No	No	
HGW	No	No	
List SRS?	#Error		
List UMMT?	#Error		
Capacity:			
Comment	<b># 7563: year opened information</b>		
Group of storage facilities, differing years of opening			

## Site (Structure) : National

Country: GERMANY

Reporting Year: 2005

<b>Facility:</b>	KKU		
<b>Description:</b>	Storage facility for NHGW from the NPPs Stade and Unterweser		
<b>Storage part of facility</b>			
The following shows storage status for waste classes and SRS.			
<b>Waste Class</b>	<b>Actual</b>	<b>Planned</b>	
NHGW	No	No	
HGW	No	No	
<b>List SRS?</b>	#Error		
<b>List UMMT?</b>	#Error		
<b>Capacity:</b>			

## Site (Structure) : National

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<b>Facility:</b>	<b>Konrad</b>
<b>Description:</b>	Planned repository for NHGW Konrad

**Disposal part of facility Konrad**

The following shows disposal status for waste classes and SRS.

Waste Class	Actual	Planned
NHGW	No	Yes
HGW	No	No

List SRS?	No
List UMMT?	No

Type:	geological (cavern)		
Facility is modular?	Yes		
Capacity existing (m3):	0	Capacity planned (m3):	650000

Depth (m):	800 - 1300	Host medium:	sedimentary (other)
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Phase Name	Start Year	End Year	Estimate
planning and/or concept assessment	1976	1982	False
site selection	1975	1975	False
design	1982	1990	False

## Site (Structure) : National

Country: GERMANY

Reporting Year: 2005

<b>Facility:</b>	LSSt		
<b>Description:</b>	Federal States Collecting Depots		
<b>Storage part of facility</b>			
The following shows storage status for waste classes and SRS.			
<b>Waste Class</b>	<b>Actual</b>	<b>Planned</b>	
NHGW	No	No	
HGW	No	No	
<b>List SRS?</b>	#Error		
<b>List UMMT?</b>	#Error		
<b>Capacity:</b>			
<b>Comment</b>	# 7561: year opened information		
Group of storage facilities, differing years of opening			

## Site (Structure) : National

Country: GERMANY

Reporting Year: 2005

<b>Facility:</b>	<b>NPP</b>		
<b>Description:</b>	Storage at Nuclear Power Plants		
<b>Storage part of facility</b>			
The following shows storage status for waste classes and SRS.			
<b>Waste Class</b>	<b>Actual</b>	<b>Planned</b>	
NHGW	No	No	
HGW	No	No	
<b>List SRS?</b>	#Error		
<b>List UMMT?</b>	#Error		
<b>Capacity:</b>			
<b>Comment</b>	<b># 7564: year opened information</b>		
Group of storage facilities, differing years of opening			



## Site (Structure) : National

Country: GERMANY

Reporting Year: 2005

<b>Facility:</b>	<b>Nukem</b>		
<b>Description:</b>	Nukem storage facility in Hanau		
<b>Storage part of facility</b>			
The following shows storage status for waste classes and SRS.			
<b>Waste Class</b>	<b>Actual</b>	<b>Planned</b>	
NHGW	No	No	
HGW	No	No	
<b>List SRS?</b>	#Error		
<b>List UMMT?</b>	#Error		
<b>Capacity:</b>			
<b>Comment</b>	<b># 7559: year opened information</b>		
	License for decommissioning 19th october 2000		

## Site (Structure) : National

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<b>Facility:</b>	<b>Other</b>					
Description:	Other waste generators					
<b>Storage part of facility</b>		<b>Other</b>				
The following shows storage status for waste classes and SRS.						
Waste Class	Actual	Planned				
NHGW	Yes	Yes				
HGW	Yes	Yes				
List SRS?	No					
List UMMT?	No					
Capacity:						
Types of Storage Units						
Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
Other	building	0	No	No	No	No
Comment	<b># 7566: year opened information</b>					
Group of storage facilities, differing years of opening						

## Site (Structure) : National

Country: GERMANY

Reporting Year: 2005

<b>Facility:</b>	<b>Research</b>		
<b>Description:</b>	Storage at Research Instituts		
<b>Storage part of facility</b>			
The following shows storage status for waste classes and SRS.			
<b>Waste Class</b>	<b>Actual</b>	<b>Planned</b>	
NHGW	No	No	
HGW	No	No	
<b>List SRS?</b>	#Error		
<b>List UMMT?</b>	#Error		
<b>Capacity:</b>			
<b>Comment</b>	<b># 7565: year opened information</b>		
Group of storage facilities, differing years of opening			

## Site (Structure) : National

Country: GERMANY

Reporting Year: 2005

<b>Facility:</b>	<b>Siemens</b>		
<b>Description:</b>	Storage facility for radioactive waste from the Siemens-MOX plant in Hanau		
<b>Storage part of facility</b>			
The following shows storage status for waste classes and SRS.			
<b>Waste Class</b>	<b>Actual</b>	<b>Planned</b>	
NHGW	No	No	
HGW	No	No	
<b>List SRS?</b>	#Error		
<b>List UMMT?</b>	#Error		
<b>Capacity:</b>			
<b>Comment</b>	<b># 7560: year opened information</b>		
	Second partial license for decommissioning march 2003		

## Site (Structure) : National

Country: GERMANY

Reporting Year: 2005

<b>Facility:</b>	VKTA									
<b>Description:</b>	Storage facility in the research center Rossendorf									
<b>Storage part of facility</b>										
The following shows storage status for waste classes and SRS.										
<table border="1"><thead><tr><th>Waste Class</th><th>Actual</th><th>Planned</th></tr></thead><tbody><tr><td>NHGW</td><td>No</td><td>No</td></tr><tr><td>HGW</td><td>No</td><td>No</td></tr></tbody></table>	Waste Class	Actual	Planned	NHGW	No	No	HGW	No	No	
Waste Class	Actual	Planned								
NHGW	No	No								
HGW	No	No								
<b>List SRS?</b>	#Error									
<b>List UMMT?</b>	#Error									
<b>Capacity:</b>										

## Site (Structure) : National

Country: GERMANY

Reporting Year: 2005

<b>Facility:</b>	ZLN									
<b>Description:</b>	Storage facility north in Greifswald for radioactive waste from the NPPs Greifswald and Rheinsberg									
<b>Storage part of facility</b>										
The following shows storage status for waste classes and SRS.										
<table border="1"><thead><tr><th>Waste Class</th><th>Actual</th><th>Planned</th></tr></thead><tbody><tr><td>NHGW</td><td>No</td><td>No</td></tr><tr><td>HGW</td><td>No</td><td>No</td></tr></tbody></table>	Waste Class	Actual	Planned	NHGW	No	No	HGW	No	No	
Waste Class	Actual	Planned								
NHGW	No	No								
HGW	No	No								
<b>List SRS?</b>	#Error									
<b>List UMMT?</b>	#Error									
<b>Capacity:</b>										

## Site (Structure) : National

Country: GERMANY

Reporting Year: 2005

<b>Facility:</b>	ZLN									
<b>Description:</b>	Processing facility for radioactive waste in the storage facility north (ZLN)									
<b>Processing part of facility</b>										
The following shows processing status for waste classes and SRS.										
<table border="1"><thead><tr><th>Waste Class</th><th>Actual</th><th>Planned</th></tr></thead><tbody><tr><td>NHGW</td><td>No</td><td>No</td></tr><tr><td>HGW</td><td>No</td><td>No</td></tr></tbody></table>	Waste Class	Actual	Planned	NHGW	No	No	HGW	No	No	
Waste Class	Actual	Planned								
NHGW	No	No								
HGW	No	No								
<b>Type:</b>										
<b>Year opened:</b>										