



# **Country Waste Profile Report for KOREA, REPUBLIC OF Reporting Year: 2013**

*For guidance on reading Country Waste Profile Reports,  
please refer to the following internet based document:*

*<http://www-newmdb.iaea.org/help/profiles9/guide.pdf>*

*For further information, please contact the Responsible Officer via e-mail:  
[NEWMDB@IAEA.org](mailto:NEWMDB@IAEA.org)*

## Waste Classification Schemes

Country: KOREA, REPUBLIC OF

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: **KOR**

Description: The Enforcement Decree of the AEA defines high-level radioactive waste (HLW) as radioactive waste with radioactivity concentration and heat generation over the limit value specified by the MEST. In strict, others than HLW belong to the LILW in accordance with the AEA.

Waste Class Name	Distribution %			
	VLLW	LLW	ILW	HLW
HLW	0.0	0.0	0.0	100.0
LILW	0.0	90.0	10.0	0.0

Comment **# 26575: Waste Matrix KOR**

The Enforcement Decree of the AEA defines high-level radioactive waste (HLW) as radioactive waste with radioactivity concentration and heat generation over the limit value specified by the MEST. In strict, others than HLW belong to the LILW in accordance with the AEA. The limiting values on radioactivity and heat generation rate are specified in the MEST Notice No. 2008-31 (Standards on Radiation Protection, etc.) as follows:

- radioactivity : > 4,000 Bq/g for alpha-emitting radionuclide having a half life longer than 20 years
- heat generation rate : > 2 kW/m<sup>3</sup>

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

This country uses the IAEA standard definition:

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

## Groups Overview

Country: KOREA, REPUBLIC OF

Reporting Year: 2013

<b>Reporting Group:</b>	<b>Disposal</b>			
Inventory Reporting Date:	December 2013			
Waste Matrix Used:	KOR			
Description:	The first stage of the LILW disposal facility in Gyeongju is scheduled to be constructed by KRMC at the end of December 2012. First of all, the radwaste receipt / storage building in the site of the disposal facilities is in operation to receive the radioactive waste from NPP's which are required to secure additional storage capacity.			
Site Name	Facility Name	Facilities Defined		
Gyeongju	RSbuilding		storage	

<b>Reporting Group:</b>	<b>KAERI</b>			
Inventory Reporting Date:	December 2013			
Waste Matrix Used:	KOR			
Description:	Korea Atomic Energy Research Institute - national nuclear R&D research institution			
Site Name	Facility Name	Facilities Defined		
Daedeok	#1 storage		storage	
	#2 storage		storage	
	Incinerate	processing	storage	
Seoul	KRR-1&2		storage	

<b>Reporting Group:</b>	<b>KNF</b>			
Inventory Reporting Date:	December 2013			
Waste Matrix Used:	KOR			
Description:	Korea Nuclear Fuel Co., Ltd.			
Site Name	Facility Name	Facilities Defined		
Daedeok	#1 storage		storage	
	#2 storage		storage	
<p>Comment <b># 26577: Reporting Group KNF</b></p> <p>Two nuclear fuel fabrication plants are operated by KNF. The first plant started to produce PWR fuels in 1989 and the second plant for PHWR/PWR fuels started its commercial operation in 1998.</p>				

## Groups Overview

Country: KOREA, REPUBLIC OF

Reporting Year: 2013

<b>Reporting Group:</b>	<b>National Total</b>
Inventory Reporting Date:	December 2013
Waste Matrix Used:	KOR
Description:	

Site Name	Facility Name	Facilities Defined	
NT	NS	storage	

<b>Reporting Group:</b>	<b>NPP_KHNP</b>
Inventory Reporting Date:	December 2013
Waste Matrix Used:	KOR
Description:	Korea Hydro & Nuclear Power Co., Ltd.(KHNP) is a sole nuclear power generating company in Korea.

Site Name	Facility Name	Facilities Defined	
Kori	#1 storage	storage	
	#2 storage	storage	
	#3 storage	storage	
	#4 storage	storage	
	Others	storage	
Shin-Kori	#1 storage	storage	
	Others	storage	
Ulchin	#1 storage	storage	
	#2 storage	storage	
	Others	storage	
Wolsong	#1 storage	storage	
	Others	storage	
Yonggwang	#1 storage	storage	
	#2 storage	storage	
	Others	storage	

## Groups Overview

Country: KOREA, REPUBLIC OF

Reporting Year: 2013

<b>Reporting Group:</b>	RI_KRMC
Inventory Reporting Date:	December 2013
Waste Matrix Used:	KOR
Description:	This group report the data related with radioisotope waste management. KRMC : Korea Radoactive Waste Management Corporation(launched on January 1, 2009)

Site Name	Facility Name	Facilities Defined		
Daedeok	RI waste	processing	storage	

Comment # 26579:

Korea Radoactive Waste Management Corporation(KRMC), an independent and professional management organization, officailly launched on January 1, 2009 and will conduct the storage, treatment, and disposal of radioactivewaste. In the past, all of which had been performed by the KHNP (including the NETEC).

## Site (Structure) : Gyeongju

Country: KOREA, REPUBLIC OF

Reporting Year: 2013

Full Name: Wolsong Low and Intermediate Level Radioactive Waste Disposal Center

Description:

Official Website:

License Holder(s): KRMC(Korea Radioactive Waste Management Corporation)

Waste management facilities that are located at this site:

<b>Facility:</b>	<b>RSbuilding</b>					
<b>Description:</b>	radioactive waste Receipt / Storage building					
<b>Storage part of facility                      RSbuilding</b>						
The following shows storage status for waste classes and SRS.						
<b>Waste Class</b>	<b>Actual</b>	<b>Planned</b>				
HLW	No	No				
LILW	Yes	No				
<b>List SRS?</b>	No					
<b>List UMMT?</b>	No					
<b>Capacity:</b>	800 cubic meters (4000 200-liter-drums equivalent)					
<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>
RSbuilding	building	2010	No	No	Yes	No

## Site (Structure) : Daedeok

Country: KOREA, REPUBLIC OF

Reporting Year: 2013

Full Name: Storgae facilities for radioactive waste at the KAERI

Description:

Official Website:

License Holder(s): KAERI

Waste management facilities that are located at this site:

<b>Facility:</b>	<b>#1 storage</b>					
<b>Description:</b>	KAERI No.1 storage facility for radioactive waste at the KAERI					
<b>Storage part of facility #1 storage</b>						
The following shows storage status for waste classes and SRS.						
<b>Waste Class</b>	<b>Actual</b>	<b>Planned</b>				
HLW	No	No				
LILW	Yes	No				
<b>List SRS?</b>	No					
<b>List UMMT?</b>	No					
<b>Capacity:</b>	2866 cubic meters (14330 200-liter-drums equivalent)					
<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>
#1 storage	building	1991	No	No	No	No

## Site (Structure) : Daedeok

Country: KOREA, REPUBLIC OF

Reporting Year: 2013

<b>Facility:</b>	<b>#2 storage</b>					
<b>Description:</b>	KAERI No.2 storage facility for radioactive waste at the KAERI					
<b>Storage part of facility #2 storage</b>						
The following shows storage status for waste classes and SRS.						
<b>Waste Class</b>	<b>Actual</b>	<b>Planned</b>				
HLW	No	No				
LILW	Yes	No				
<b>List SRS?</b>	No					
<b>List UMMT?</b>	No					
<b>Capacity:</b>	337.6 cubic meters (1688 200-liter-drums equivalent)					
<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>
#2 storage	building	1991	No	No	No	No



## Site (Structure) : Daedeok

Country: KOREA, REPUBLIC OF

Reporting Year: 2013

<b>Facility:</b>	<b>Incinerate</b>
Description:	Combustible waste treatment facility at the KAERI
Detailed Facility Description:	Incineration : - decommissioning waste of KRR-1, KRR-2, UCF(uranium conversion facility) - RI waste - radioactive waste generated from KAERI

**Storage part of facility                      Incinerate**

The following shows storage status for waste classes and SRS.

Waste Class	Actual	Planned
HLW	No	No
LILW	Yes	No

List SRS?	No
List UMMT?	No

Capacity:	Radioactive waste is stored temporary building in combustible waste treatment facility at the KAERI
-----------	-----------------------------------------------------------------------------------------------------

## Types of Storage Units

Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
incinerate	building	2011	No	No	No	No

**Processing part of facility                      Incinerate**

The following shows processing status for waste classes and SRS.

Waste Class	Actual	Planned
HLW	No	No
LILW	Yes	No

Type:	Treatment
Year opened:	2011

## Site (Structure) : Seoul

Country: KOREA, REPUBLIC OF

Reporting Year: 2013

Full Name: Ex-KAERI Research Reactor

Description:

Official Website:

License Holder(s): KAERI

Comment # 26576: Site Seoul

The facilities, which are being decommissioned, are the Korea Research Reactor Units 1 and 2 (KRR-1 and 2). Each types of reactor are TRIGA Mark-II(250 kWth) and TRIGA Mark-III(2 MWth). A project for decommissioning of KRR-1 and 2 was launched in January 1997.

Waste management facilities that are located at this site:

<b>Facility:</b>	<b>KRR-1&amp;2</b>					
<b>Description:</b>	Temporary storage building for radioactive waste from KRR-1 and 2 under decommissioning					
<b>Storage part of facility KRR-1&amp;2</b>						
The following shows storage status for waste classes and SRS.						
<b>Waste Class</b>	<b>Actual</b>	<b>Planned</b>				
HLW	No	No				
LILW	Yes	No				
<b>List SRS?</b>	No					
<b>List UMMT?</b>	No					
<b>Capacity:</b>	temporary storage building for decommissioning waste					
<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>
KRR-1&2	building	1962	No	No	No	No

## Site (Structure) : Daedeok

Country: KOREA, REPUBLIC OF

Reporting Year: 2013

Full Name: Nuclear fuel fabrication facility

Description:

Official Website:

License Holder(s): KNF(Korea Nuclear Fuel Co., Ltd.)

Waste management facilities that are located at this site:

<b>Facility:</b>	<b>#1 storage</b>					
<b>Description:</b>	No.1 storage facilities for radioactive waste at the KNF					
<b>Storage part of facility #1 storage</b>						
The following shows storage status for waste classes and SRS.						
<b>Waste Class</b>	<b>Actual</b>	<b>Planned</b>				
HLW	No	No				
LILW	Yes	No				
<b>List SRS?</b>	No					
<b>List UMMT?</b>	No					
<b>Capacity:</b>	980 cubic meters (4900 200-liter-drum equivalent)					
<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>
#1 storage	building	1993	No	No	No	No

## Site (Structure) : Daedeok

Country: KOREA, REPUBLIC OF

Reporting Year: 2013

<b>Facility:</b>	<b>#2 storage</b>					
<b>Description:</b>	No.2 storage facilities for radioactive waste at the KNF					
<b>Storage part of facility #2 storage</b>						
The following shows storage status for waste classes and SRS.						
<b>Waste Class</b>	<b>Actual</b>	<b>Planned</b>				
HLW	No	No				
LILW	Yes	No				
<b>List SRS?</b>	No					
<b>List UMMT?</b>	No					
<b>Capacity:</b>	800 cubic meters (4000 200-liter-drums equivalent)					
<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>
#2 storage	building	1998	No	No	No	No

## Site (Structure) : NT

Country: KOREA, REPUBLIC OF

Reporting Year: 2013

Full Name:

Description:

Official Website:

License Holder(s):

Waste management facilities that are located at this site:

<b>Facility:</b>	<b>NS</b>										
Description:											
<p><b>Storage part of facility                      NS</b></p> <p>The following shows storage status for waste classes and SRS.</p> <table border="1"> <thead> <tr> <th>Waste Class</th> <th>Actual</th> <th>Planned</th> </tr> </thead> <tbody> <tr> <td>HLW</td> <td>No</td> <td>No</td> </tr> <tr> <td>LILW</td> <td>Yes</td> <td>No</td> </tr> </tbody> </table>			Waste Class	Actual	Planned	HLW	No	No	LILW	Yes	No
Waste Class	Actual	Planned									
HLW	No	No									
LILW	Yes	No									
List SRS?	No										
List UMMT?	No										
Capacity:											

## Site (Data) : NT

Stock of waste as at December 2013

Country: KOREA, REPUBLIC OF

Reporting Year: 2013

Site Name: NT

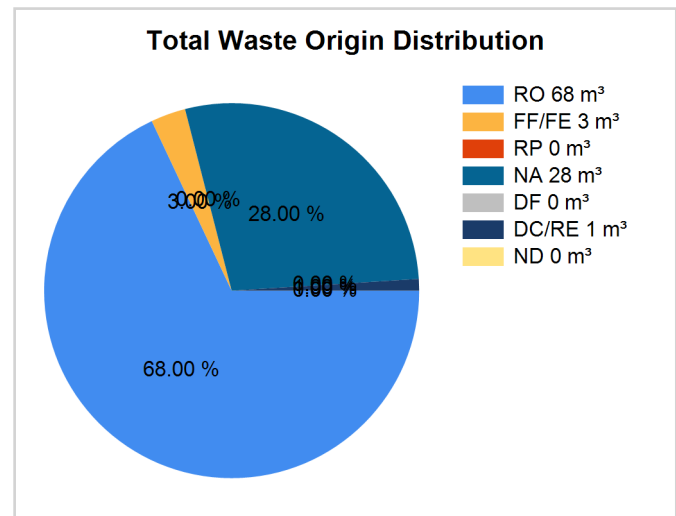
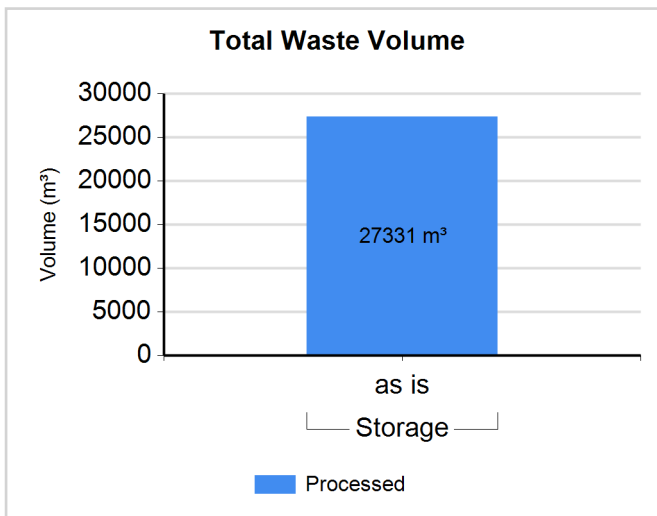
Full Name:

Inventory Reporting Date: December 2013

Waste Matrix Used: KOR

## Waste Inventory

Est=distribution is an estimate, Proc.=Is the waste processed (Yes/No)? RO=Reactor Operations, FF/FE=Fuel Fabrication/Fuel Enrichment, RP=Reprocessing, NA=Nuclear Applications,DF=Defence, DC/RE=Decommissioning/Remediation, ND=Not Determined



Note: where volume "as dispo" is provided, volume "as is" is used in the graph instead.

Waste Class: LILW

Waste Class Name	Location / Facility	Proc	Est.	Volume "as is" (m³)	Volume "as dispo" (m³)	RO %	FF/FE %	RP %	NA %	DF %	DC/RE %	ND %
LILW	Storage	Y	N	27331.000	27331.000	68.00	3.00	0.00	28.00	0.00	1.00	0.00

## Site (Structure) : Kori

Country: KOREA, REPUBLIC OF

Reporting Year: 2013

Full Name: Kori Nuclear Power Plant Site

Description:

Official Website:

License Holder(s): KHNP

Waste management facilities that are located at this site:

<b>Facility:</b>	<b>#1 storage</b>					
<b>Description:</b>	Storage from Kori Units 1~4					
<b>Storage part of facility #1 storage</b>						
The following shows storage status for waste classes and SRS.						
<b>Waste Class</b>	<b>Actual</b>	<b>Planned</b>				
HLW	No	No				
LILW	Yes	No				
<b>List SRS?</b>	No					
<b>List UMMT?</b>	No					
<b>Capacity:</b>	2000 cubic meters (10000 200-liter-drums equivalent)					
<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>
#1 storage	building	1978	No	No	No	No

## Site (Structure) : Kori

Country: KOREA, REPUBLIC OF

Reporting Year: 2013

<b>Facility:</b>	<b>#2 storage</b>					
<b>Description:</b>	Storage from Kori Units 1~4					
<b>Storage part of facility #2 storage</b>						
The following shows storage status for waste classes and SRS.						
<b>Waste Class</b>	<b>Actual</b>	<b>Planned</b>				
HLW	No	No				
LILW	Yes	No				
<b>List SRS?</b>	No					
<b>List UMMT?</b>	No					
<b>Capacity:</b>	1200 cubic meters (6000 200-liter-drums equivalent)					
<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>
#2 storage	building	1979	No	No	No	No



## Site (Structure) : Kori

Country: KOREA, REPUBLIC OF

Reporting Year: 2013

<b>Facility:</b>	<b>#3 storage</b>					
<b>Description:</b>	Storage from Kori Units 1~4					
<b>Storage part of facility #3 storage</b>						
The following shows storage status for waste classes and SRS.						
<b>Waste Class</b>	<b>Actual</b>	<b>Planned</b>				
HLW	No	No				
LILW	Yes	No				
<b>List SRS?</b>	No					
<b>List UMMT?</b>	No					
<b>Capacity:</b>	2240 cubic meters (11200 200-liter-drums equivalent)					
<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>
#3 storage	building	1987	No	No	No	No

## Site (Structure) : Kori

Country: KOREA, REPUBLIC OF

Reporting Year: 2013

<b>Facility:</b>	<b>#4 storage</b>					
<b>Description:</b>	Storage from Kori Units 1~4					
<b>Storage part of facility #4 storage</b>						
The following shows storage status for waste classes and SRS.						
<b>Waste Class</b>	<b>Actual</b>	<b>Planned</b>				
HLW	No	No				
LILW	Yes	No				
<b>List SRS?</b>	No					
<b>List UMMT?</b>	No					
<b>Capacity:</b>	4600 cubic meters (23000 200-liter-drums equivalent)					
<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>
#4 storage	building	1993	No	No	No	No

## Site (Structure) : Kori

Country: KOREA, REPUBLIC OF

Reporting Year: 2013

<b>Facility:</b>	<b>Others</b>					
Description:	temporary storage such as radiation controlled areas or other related agencies					
<b>Storage part of facility                      Others</b>						
The following shows storage status for waste classes and SRS.						
Waste Class	Actual	Planned				
HLW	No	No				
LILW	Yes	No				
List SRS?	No					
List UMMT?	No					
Capacity:	temporary storage					
Types of Storage Units						
Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
Others	building	1978	No	No	No	No

## Site (Structure) : Shin-Kori

Country: KOREA, REPUBLIC OF

Reporting Year: 2013

Full Name: Shin-Kori Nuclear Power Plant Site

Description:

Official Website:

License Holder(s): KHNP

Waste management facilities that are located at this site:

<b>Facility:</b>	<b>#1 storage</b>					
Description:	Storage from Shin-Kori Units					
<b>Storage part of facility #1 storage</b>						
The following shows storage status for waste classes and SRS.						
Waste Class	Actual	Planned				
HLW	No	No				
LILW	Yes	No				
List SRS?	No					
List UMMT?	No					
Capacity:	2000 cubic meters(10000 200-liter-drums equivalent)					
Types of Storage Units						
Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
#1 storage	building	2011	No	No	No	No

## Site (Structure) : Shin-Kori

Country: KOREA, REPUBLIC OF

Reporting Year: 2013

<b>Facility:</b>	<b>Others</b>					
Description:	temporary storage such as radiation controlled areas or other related agencies					
<b>Storage part of facility                      Others</b>						
The following shows storage status for waste classes and SRS.						
Waste Class	Actual	Planned				
HLW	No	No				
LILW	Yes	No				
List SRS?	No					
List UMMT?	No					
Capacity:	temporary storage					
Types of Storage Units						
Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
Others	building	2011	No	No	No	No

## Site (Structure) : Ulchin

Country: KOREA, REPUBLIC OF

Reporting Year: 2013

Full Name: Ulchin Nuclear Power Plant Site

Description:

Official Website:

License Holder(s): KHNP

Waste management facilities that are located at this site:

<b>Facility:</b>	<b>#1 storage</b>					
<b>Description:</b>	Storage from Ulchin Units 1, 2					
<b>Storage part of facility #1 storage</b>						
The following shows storage status for waste classes and SRS.						
<b>Waste Class</b>	<b>Actual</b>	<b>Planned</b>				
HLW	No	No				
LILW	Yes	No				
<b>List SRS?</b>	No					
<b>List UMMT?</b>	No					
<b>Capacity:</b>	1480 cubic meters (7400 200-liter-drums equivalnet)					
<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>
#1 storage	building	1989	No	No	No	No

## Site (Structure) : Ulchin

Country: KOREA, REPUBLIC OF

Reporting Year: 2013

<b>Facility:</b>	<b>#2 storage</b>					
<b>Description:</b>	Storage from Ulchin Units 1~6					
<b>Storage part of facility #2 storage</b>						
The following shows storage status for waste classes and SRS.						
<b>Waste Class</b>	<b>Actual</b>	<b>Planned</b>				
HLW	No	No				
LILW	Yes	No				
<b>List SRS?</b>	No					
<b>List UMMT?</b>	No					
<b>Capacity:</b>	2000 cubic meters (10000 200-liter-drums equivalent)					
<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>
#2 storage	building	1997	No	No	No	No

## Site (Structure) : Ulchin

Country: KOREA, REPUBLIC OF

Reporting Year: 2013

<b>Facility:</b>	<b>Others</b>					
Description:	temporary storage such as radiation controlled areas or other related agencies					
<b>Storage part of facility</b>		<b>Others</b>				
The following shows storage status for waste classes and SRS.						
Waste Class	Actual	Planned				
HLW	No	No				
LILW	Yes	No				
List SRS?	No					
List UMMT?	No					
Capacity:	temporary storage					
Types of Storage Units						
Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
Others	building	1989	No	No	No	No



## Site (Structure) : Wolsong

Country: KOREA, REPUBLIC OF

Reporting Year: 2013

Full Name: Wolsong Nuclear Power Plant Site

Description:

Official Website:

License Holder(s): KHNP

Waste management facilities that are located at this site:

<b>Facility:</b>	<b>#1 storage</b>					
Description:	Storage facility for the LILW at Wolsong NPP					
<b>Storage part of facility #1 storage</b>						
The following shows storage status for waste classes and SRS.						
Waste Class	Actual	Planned				
HLW	No	No				
LILW	Yes	No				
List SRS?	No					
List UMMT?	No					
Capacity:	1800 cubic meters (9000 drums)					
Types of Storage Units						
Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
#1 storage	building	1983	No	No	No	No

## Site (Structure) : Wolsong

Country: KOREA, REPUBLIC OF

Reporting Year: 2013

<b>Facility:</b>	<b>Others</b>					
Description:	temporary storage such as radiation controlled areas or other related agencies					
<b>Storage part of facility                      Others</b>						
The following shows storage status for waste classes and SRS.						
Waste Class	Actual	Planned				
HLW	No	No				
LILW	Yes	No				
List SRS?	No					
List UMMT?	No					
Capacity:	temporary storage					
Types of Storage Units						
Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
Others	building	1983	No	No	No	No

## Site (Structure) : Yonggwang

Country: KOREA, REPUBLIC OF

Reporting Year: 2013

Full Name: Yonggwang Nuclear Power Plant Site

Description:

Official Website:

License Holder(s): KHNP

Waste management facilities that are located at this site:

<b>Facility:</b>	<b>#1 storage</b>					
<b>Description:</b>	Storage from Yonggwang Units 1,2					
<b>Storage part of facility #1 storage</b>						
The following shows storage status for waste classes and SRS.						
<b>Waste Class</b>	<b>Actual</b>	<b>Planned</b>				
HLW	No	No				
LILW	Yes	No				
<b>List SRS?</b>	No					
<b>List UMMT?</b>	No					
<b>Capacity:</b>	2660 cubic meters (13300 200-liter-drums equivalent)					
<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>
#1 storage	building	1986	No	No	No	No

## Site (Structure) : Yonggwang

Country: KOREA, REPUBLIC OF

Reporting Year: 2013

<b>Facility:</b>	<b>#2 storage</b>					
<b>Description:</b>	Storage from Yonggwang Units 1~6					
<b>Storage part of facility #2 storage</b>						
The following shows storage status for waste classes and SRS.						
<b>Waste Class</b>	<b>Actual</b>	<b>Planned</b>				
HLW	No	No				
LILW	Yes	No				
<b>List SRS?</b>	No					
<b>List UMMT?</b>	No					
<b>Capacity:</b>	2000 cubic meters (10000 200-liter-drums equivalent)					
<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>
#2 storage	building	2002	No	No	No	No

## Site (Structure) : Yonggwang

Country: KOREA, REPUBLIC OF

Reporting Year: 2013

<b>Facility:</b>	<b>Others</b>					
Description:	temporary storage such as radiation controlled areas or other related agencies					
<b>Storage part of facility                      Others</b>						
The following shows storage status for waste classes and SRS.						
Waste Class	Actual	Planned				
HLW	No	No				
LILW	Yes	No				
List SRS?	No					
List UMMT?	No					
Capacity:	temporary storage					
Types of Storage Units						
Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
Others	building	1986	No	No	No	No

## Site (Structure) : Daedeok

Country: KOREA, REPUBLIC OF

Reporting Year: 2013

Full Name: Radioisotope waste management facility

Description:

Official Website:

License Holder(s): KRMC  
: Korea Radioactive Waste Management Corporation

Comment # 26578: Site Daedeok

The RI waste generated from domestic RI users is collected and stored at the RI waste storage facility.

Waste management facilities that are located at this site:

<b>Facility:</b>	<b>RI waste</b>																																										
Description:	Radioisotope waste management facility																																										
<p><b>Storage part of facility                      RI waste</b></p> <p>The following shows storage status for waste classes and SRS.</p> <table border="1"> <thead> <tr> <th>Waste Class</th> <th>Actual</th> <th>Planned</th> </tr> </thead> <tbody> <tr> <td>HLW</td> <td>No</td> <td>No</td> </tr> <tr> <td>LILW</td> <td>Yes</td> <td>No</td> </tr> </tbody> </table> <table border="1"> <tr> <td>List SRS?</td> <td>Yes</td> </tr> <tr> <td>List UMMT?</td> <td>No</td> </tr> </table> <table border="1"> <tr> <td>Capacity:</td> <td>1950 cubic meters (9750 200-liter-drums equivalent)</td> </tr> </table> <p>Types of Storage Units</p> <table border="1"> <thead> <tr> <th>Storage Unit Name</th> <th>Type Name</th> <th>Year Opened</th> <th>Closed?</th> <th>Full?</th> <th>Modular?</th> <th>Contains SRS?</th> </tr> </thead> <tbody> <tr> <td>RI waste</td> <td>building</td> <td>1993</td> <td>No</td> <td>No</td> <td>No</td> <td>No</td> </tr> </tbody> </table> <p><b>Processing part of facility                      RI waste</b></p> <p>The following shows processing status for waste classes and SRS.</p> <table border="1"> <thead> <tr> <th>Waste Class</th> <th>Actual</th> <th>Planned</th> </tr> </thead> <tbody> <tr> <td>HLW</td> <td>No</td> <td>No</td> </tr> <tr> <td>LILW</td> <td>Yes</td> <td>No</td> </tr> </tbody> </table> <table border="1"> <tr> <td>Type:</td> <td>Treatment</td> </tr> <tr> <td>Year opened:</td> <td>2000</td> </tr> </table>		Waste Class	Actual	Planned	HLW	No	No	LILW	Yes	No	List SRS?	Yes	List UMMT?	No	Capacity:	1950 cubic meters (9750 200-liter-drums equivalent)	Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?	RI waste	building	1993	No	No	No	No	Waste Class	Actual	Planned	HLW	No	No	LILW	Yes	No	Type:	Treatment	Year opened:	2000
Waste Class	Actual	Planned																																									
HLW	No	No																																									
LILW	Yes	No																																									
List SRS?	Yes																																										
List UMMT?	No																																										
Capacity:	1950 cubic meters (9750 200-liter-drums equivalent)																																										
Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?																																					
RI waste	building	1993	No	No	No	No																																					
Waste Class	Actual	Planned																																									
HLW	No	No																																									
LILW	Yes	No																																									
Type:	Treatment																																										
Year opened:	2000																																										

## Regulators

Country: KOREA, REPUBLIC OF

Reporting Year: 2013

<b>Name:</b>	<b>NSSC</b>
Full Name:	Nuclear Safety and Security Commission
Divison:	
City or Town:	Sejong-no, Jongno-gu, Seoul
Main Website:	

<b>Name:</b>	<b>KINS</b>
Full Name:	Korea Institute of Nuclear Safety
Divison:	Radiation & Waste Safety Division
City or Town:	Yuseong-gu, Daejeon
Main Website:	

Comment

# 26574: Regulator KINS

KINS was established functioning as an expert organization, according to the "Korea Institute of Nuclear Safety Act" and conducts matters on nuclear safety regulation as entrusted by the MEST in accordance with the Atomic Energy Act.

## Regulations / Laws

Country: KOREA, REPUBLIC OF

Reporting Year: 2013

<b>Name:</b>	<b>NSA</b>		
Title or Name:	Nuclear Safety Act		
Reference Number:			
Date Promulgated or Proclaimed:	7/25/2011	Law	

<b>Name:</b>	<b>2012-54</b>		
Title or Name:	Quality Assurance Criteria for Radioactive Waste Management Facilities		
Reference Number:	NSSC Notice No.2012-54		
Date Promulgated or Proclaimed:	4/18/2008	Regulation	

<b>Name:</b>	<b>2012-61</b>		
Title or Name:	Regulation on Inspection of Manufacture and Use of Radioactive Material Transport Containers		
Reference Number:	NSSC Notice No.2012-61		
Date Promulgated or Proclaimed:	4/18/2008	Regulation	

<b>Name:</b>	<b>2012-49</b>		
Title or Name:	Regulation on the Packaging and Transport of Radioactive Materials, etc.		
Reference Number:	NSSC Notice No.2012-49		
Date Promulgated or Proclaimed:	4/18/2008	Regulation	

<b>Name:</b>	<b>2012-59</b>		
Title or Name:	Regulation on the Clearance Level of Radioactive Waste		
Reference Number:	NSSC Notice No.2012-59		
Date Promulgated or Proclaimed:	4/18/2008	Regulation	

<b>Name:</b>	<b>2012-60</b>		
Title or Name:	Incineration Criteria of Low and Intermediate level Radioactive Waste		
Reference Number:	NSSC Notice No.2012-60		
Date Promulgated or Proclaimed:	4/18/2008	Regulation	



## Regulations / Laws

Country: KOREA, REPUBLIC OF

Reporting Year: 2013

<b>Name:</b>	<b>2012-58</b>	
Title or Name:	Acceptance Criteria for Spent Fuel	
Reference Number:	NSSC Notice No.2012-58	
Date Promulgated or Proclaimed:	4/18/2008	Regulation

<b>Name:</b>	<b>2012-29</b>	
Title or Name:	Standards on Radiation Protection, etc.	
Reference Number:	NSSC Notice No.2012-29	
Date Promulgated or Proclaimed:	4/18/2008	Regulation

<b>Name:</b>	<b>2012-51</b>	
Title or Name:	Siting Criteria for Spent Fuel Interim Storage Facilities	
Reference Number:	NSSC Notice No.2012-51	
Date Promulgated or Proclaimed:	4/18/2008	Regulation

<b>Name:</b>	<b>2012-05</b>	
Title or Name:	Regulation on the Environmental Radiation Survey and Impact Analysis in the Vicinity of Nuclear Facilities	
Reference Number:	NSSC Notice No.2012-05	
Date Promulgated or Proclaimed:	4/18/2008	Regulation

<b>Name:</b>	<b>2012-52</b>	
Title or Name:	Criteria for Structure and Equipment of Low and Intermediate level Radioactive Waste Repository	
Reference Number:	NSSC Notice No.2012-52	
Date Promulgated or Proclaimed:	4/18/2008	Regulation

<b>Name:</b>	<b>2012-57</b>	
Title or Name:	Standard Format and Contents of Site Characteristics Report for Spent Fuel Interim Storage	
Reference Number:	NSSC Notice No.2012-57	
Date Promulgated or Proclaimed:	4/18/2008	Regulation

## Regulations / Laws

Country: KOREA, REPUBLIC OF

Reporting Year: 2013

<b>Name:</b>	<b>2012-62</b>	
Title or Name:	Criteria for Structure and Equipment of Low and Intermediate level Radioactive Waste Treatment System	
Reference Number:	NSSC Notice No.2012-62	
Date Promulgated or Proclaimed:	4/18/2008	Regulation

<b>Name:</b>	<b>2012-63</b>	
Title or Name:	Technical Requirement for the Operation and Control of Low and Intermediate level Radioactive Waste Repository	
Reference Number:	NSSC Notice No.2012-63	
Date Promulgated or Proclaimed:	4/18/2008	Regulation

<b>Name:</b>	<b>2012-64</b>	
Title or Name:	Standard Format and Contents of Safety Analysis Report for Low and Intermediate level Radioactive Waste Repository	
Reference Number:	NSSC Notice No.2012-64	
Date Promulgated or Proclaimed:	4/18/2008	Regulation

<b>Name:</b>	<b>2012-65</b>	
Title or Name:	Regulation on Inspection of Radioactive Waste Disposal	
Reference Number:	NSSC Notice No.2012-65	
Date Promulgated or Proclaimed:	4/18/2008	Regulation

<b>Name:</b>	<b>2012-56</b>	
Title or Name:	Standard Format and Contents of Site Characteristics Report for Low and Intermediate level Radioactive Waste Repository	
Reference Number:	NSSC Notice No.2012-56	
Date Promulgated or Proclaimed:	4/18/2008	Regulation

<b>Name:</b>	<b>2012-50</b>	
Title or Name:	Siting criteria for Low and Intermediate level Radioactive Waste Repository	
Reference Number:	NSSC Notice No.2012-50	
Date Promulgated or Proclaimed:	4/18/2008	Regulation

## Regulations / Laws

Country: KOREA, REPUBLIC OF

Reporting Year: 2013

<b>Name:</b>	<b>2012-55</b>		
Title or Name:	Radiological Protection Criteria for Long-term Safety on Low and Intermediate level Radioactive Waste Disposal		
Reference Number:	NSSC Notice No.2012-55		
Date Promulgated or Proclaimed:	4/18/2008	Regulation	

<b>Name:</b>	<b>2012-53</b>		
Title or Name:	Acceptance Criteria for Low and Intermediate level Radioactive Waste		
Reference Number:	NSSC Notice No.2012-53		
Date Promulgated or Proclaimed:	4/18/2008	Regulation	

<b>Name:</b>	<b>2012-04</b>		
Title or Name:	Regulation on Preparation, etc. of Radiological Environmental Report of Nuclear Power Utilization Facilities		
Reference Number:	NSSC Notice No.2012-04		
Date Promulgated or Proclaimed:	4/18/2008	Regulation	

**Milestones**

Country: KOREA, REPUBLIC OF

Reporting Year: 2013

Start Year or Reference Year:	2008	End Year:	2014
Description of Milestone:			
Construction of the low and intermediate level radioactive waste disposal facility (1st stage)			
Start Year or Reference Year:	2007	End Year:	
Description of Milestone:			
Application for a permit to construct and operate low and intermediate level radioactive waste disposal facility			
Start Year or Reference Year:	2007	End Year:	2008
Description of Milestone:			
The licensing safety review of the low and intermediate level radioactive waste disposal facility			

**Policies**

Country: KOREA, REPUBLIC OF

Reporting Year: 2013

**National Systems****Policy****(Yes;Partially;No)**

Q14 Has your Country implemented a national policy for radioactive waste management? Yes

**Strategies****(Yes;Partially;No)**

Q15 Has your country developed strategies to implement a national policy? Yes

## Radionuclide Inventory by Waste Class

Country: KOREA, REPUBLIC OF

Reporting Year: 2013

**No data available.**

**No data available.**

**No data available.**

**No data available.**

**No data available.**

**No data available.**

**No data available.**

**Spent Fuel Inventory**

Country: KOREA, REPUBLIC OF

Reporting Year: 2013

**Spent Fuel in Storage**

Spent Fuel (tHM):	13808
-------------------	-------

**Spent Fuel in Disposal****No data available.**

**Waste Management Infrastructure and Financing**

Country: KOREA, REPUBLIC OF

Reporting Year: 2013

**National Infrastructure**

Nuclear Energy Context:	
Research & Development:	
Policies and Programs:	
Decommissioning and Dismantling:	
Legal Framework:	
Planned Improvements:	

**National Financing**

Nuclear installations:	
Legacy Wastes:	
Medical installations:	
Extractive Industries:	
Additional Comments:	



## Waste Management Organisations

Country: KOREA, REPUBLIC OF

Reporting Year: 2013

<b>Name:</b>	
Full Name:	
Description:	
Address:	
Main Website:	
Year Established:	1
Legal Nature:	Public

# Waste Management Strategies

Country: KOREA, REPUBLIC OF

Reporting Year: 2013

<b>Waste Class</b>	
Strategy	

## Waste Management Responsibility

Country: KOREA, REPUBLIC OF

Reporting Year: 2013

<b>Waste Class:</b>	
Regulatory Authority:	
Treatment/Conditioning of Radioactive Waste:	
Transport of Radioactive Waste:	
Development/operation of interim Storage Facilities:	
Development/operation of Disposal Facilities:	
Waste Management Organisation:	
Additional Comments:	

**Main Waste Producers**

Country: KOREA, REPUBLIC OF

Reporting Year: 2013

Name:	
Full Name:	
Description:	
Address:	
Main Website:	

## Future Outlook

Country: KOREA, REPUBLIC OF

Reporting Year: 2013

**Outlook for the year: 2030**

Gross Nuclear Capacity (MW):	0
Assumptions:	
Total Waste "as dispo" Volume in Storage (m <sup>3</sup> ):	56000
Total Waste Volume in Disposal (m <sup>3</sup> ):	0
Assumptions:	
Total Spent Fuel in Storage (tHM):	26574
Total Spent Fuel in Disposal (tHM):	
Assumptions:	
Remaining Disposal Capacity for Volume of Waste (m3):	105000
Assumptions:	
Remaining Disposal Capacity for Spent Fuel (tHM):	0
Assumptions:	

## Future Outlook

Country: KOREA, REPUBLIC OF

Reporting Year: 2013

## Outlook for the year: 2050

Gross Nuclear Capacity (MW):	0
Assumptions:	
Total Waste "as dispo" Volume in Storage (m <sup>3</sup> ):	100000
Total Waste Volume in Disposal (m <sup>3</sup> ):	0
Assumptions:	
Total Spent Fuel in Storage (tHM):	35907
Total Spent Fuel in Disposal (tHM):	
Assumptions:	
Remaining Disposal Capacity for Volume of Waste (m3):	160000
Assumptions:	
Remaining Disposal Capacity for Spent Fuel (tHM):	0
Assumptions:	

## Outlook for the year: 2100

Data not available.