



# **Country Waste Profile Report for KOREA, REPUBLIC OF Reporting Year: 2010**

*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: 2010

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 **# 25379: 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: 2010

<b>Reporting Group:</b>	<b>Disposal</b>			
Inventory Reporting Date:	December 2010			
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 2010			
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	
	UCF		storage	
Seoul	KRR-1&2		storage	

<b>Reporting Group:</b>	<b>KNF</b>			
Inventory Reporting Date:	December 2010			
Waste Matrix Used:	KOR			
Description:	Korea Nuclear Fuel Co., Ltd.			
Site Name	Facility Name	Facilities Defined		
Daedeok	#1 storage		storage	
	#2 storage		storage	
Comment <b># 25381: Reporting Group KNF</b> 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.				

## Groups Overview

Country: KOREA, REPUBLIC OF

Reporting Year: 2010

<b>Reporting Group:</b>	<b>NPP_KHNP</b>
Inventory Reporting Date:	December 2010
Waste Matrix Used:	KOR
Description:	Korea Hydro & Nuclear Power Co., Ltd.(KHNP) is a sole nuclear power generating company in Korea. It has 4 sites and 20 units of NPPs.

Site Name	Facility Name	Facilities Defined		
Kori	#1 storage		storage	
	#2 storage		storage	
	#3 storage		storage	
	#4 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	

<b>Reporting Group:</b>	<b>RI_KRMC</b>
Inventory Reporting Date:	December 2010
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 # 25383:

Korea Radoactive Waste Management Corporation(KRMC), an independent and professional management organization, officially 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: 2010

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

Location: Gyeongju, Gyeongsangbuk-do

Description: The area of this final candidate site is large enough to accommodate a total of 800,000 drums of LILW, and, as the first stage of construction, a rock cavern type of repository amounting to 100,000 drums was chosen.

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>					
Description:	radioactive waste Receipt / Storage building					
<b>Storage part of facility                      RSbuilding</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:	800 cubic meters (4000 200-liter-drums equivalent)					
Types of Storage Units						
Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
RSbuilding	building	2010	No	No	Yes	No

## Site (Data) : Gyeongju

Stock of waste as at December 2010

Country: KOREA, REPUBLIC OF

Reporting Year: 2010

**Site Name:** Gyeongju

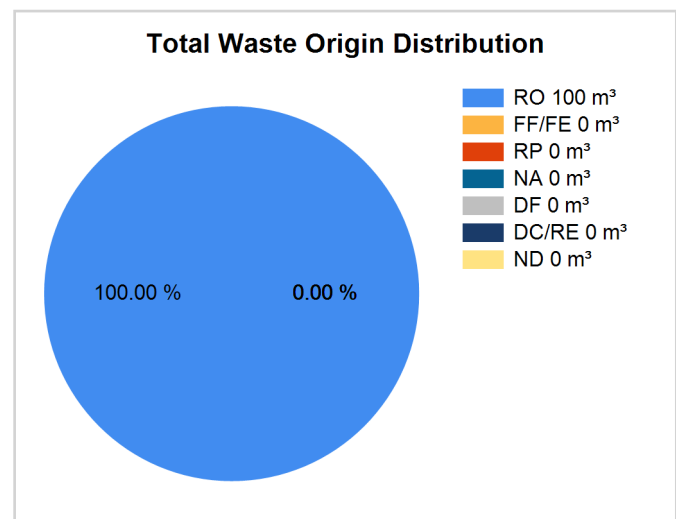
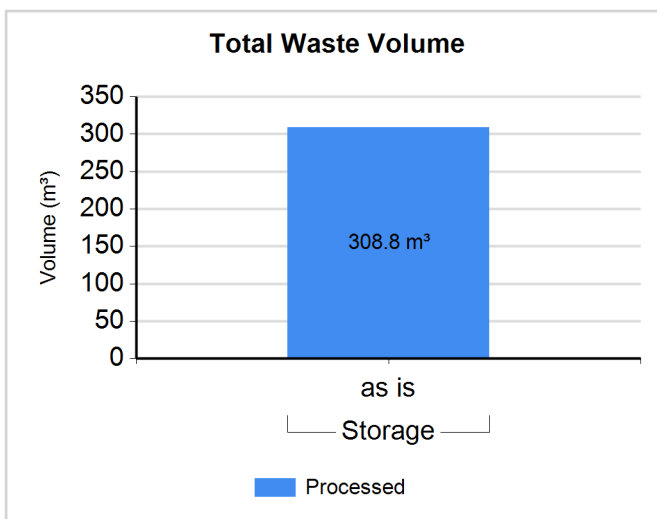
Full Name: Wolsong Low and Intermediate Level Radioactive Waste Disposal Center

Inventory Reporting Date: December 2010

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 / RSbuilding	Y	N	308.800	308.800	100.00	0.00	0.00	0.00	0.00	0.00	0.00

## Site (Structure) : Daedeok

Country: KOREA, REPUBLIC OF

Reporting Year: 2010

Full Name: Storgae facilities for radioactive waste at the KAERI

Location: Yuseong-gu, Daejeon

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</b>		<b>#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: 2010

<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: 2010

<b>Facility:</b>	<b>UCF</b>					
<b>Description:</b>	Temporary storage building in Uranium Conversion Facility(UCF) under decommissioning					
<b>Storage part of facility</b>		<b>UCF</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>	Radioactive waste from the decommissioning of UCF is stored temporary building in the UCF					
<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>
UCF	building	1982	No	No	No	No

## Site (Data) : Daedeok

Stock of waste as at December 2010

Country: KOREA, REPUBLIC OF

Reporting Year: 2010

Site Name: Daedeok

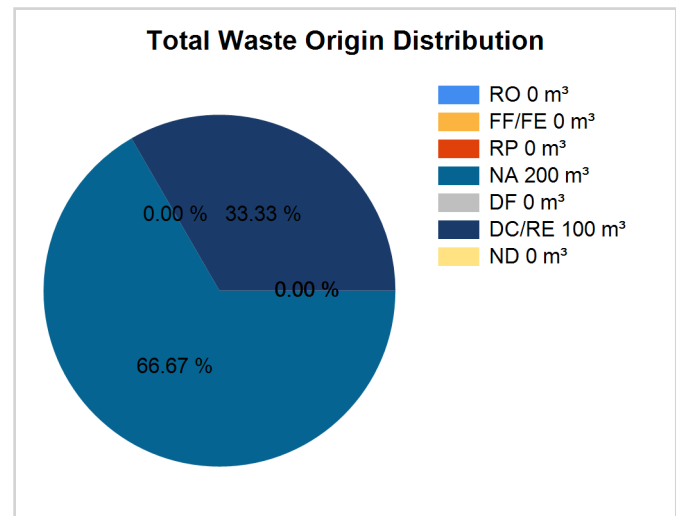
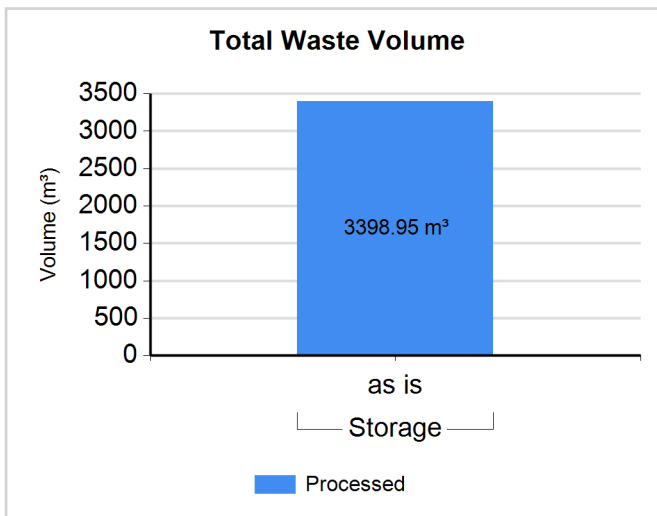
Full Name: Storgae facilities for radioactive waste at the KAERI

Inventory Reporting Date: December 2010

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 / #1 storage	Y	N	2195.900	2195.900	0.00	0.00	0.00	100.00	0.00	0.00	0.00
LILW	Storage / #2 storage	Y	N	240.450	240.450	0.00	0.00	0.00	100.00	0.00	0.00	0.00
LILW	Storage / UCF	Y	N	962.600	962.600	0.00	0.00	0.00	0.00	0.00	100.00	0.00

Comment # 25384: Waste Storage facilities/Class LILW/Site Daedeok

KAERI storage facilities store wastes generated from several facilities where radioactive materials are handled, including HANARO research reactor, post-irradiation examination facility (PIEF), radioisotope production facility (RIPF), irradiated material examination facility (IMEF), nuclear fuel fabrication facility for research reactor, and other laboratories.

## Site (Structure) : Seoul

Country: KOREA, REPUBLIC OF

Reporting Year: 2010

Full Name: Ex-KAERI Research Reactor

Location: Nowon-gu, Seoul

Description:

Official Website:

License Holder(s): KAERI

Comment # 25380: 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 (Data) : Seoul

Stock of waste as at December 2010

Country: KOREA, REPUBLIC OF

Reporting Year: 2010

**Site Name:** Seoul

Full Name: Ex-KAERI Research Reactor

Inventory Reporting Date: December 2010

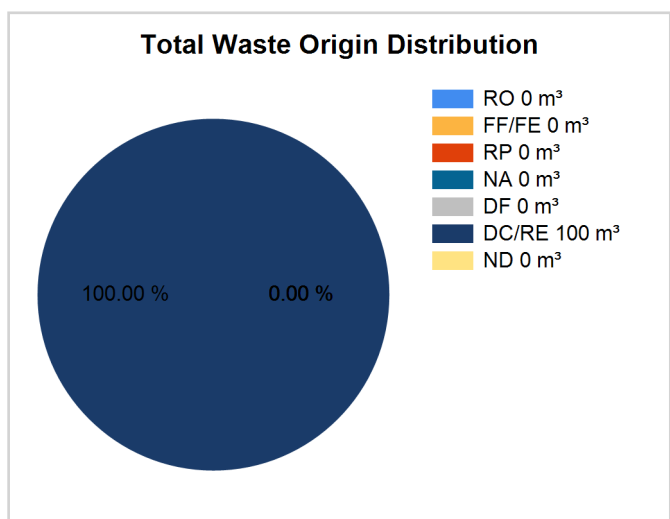
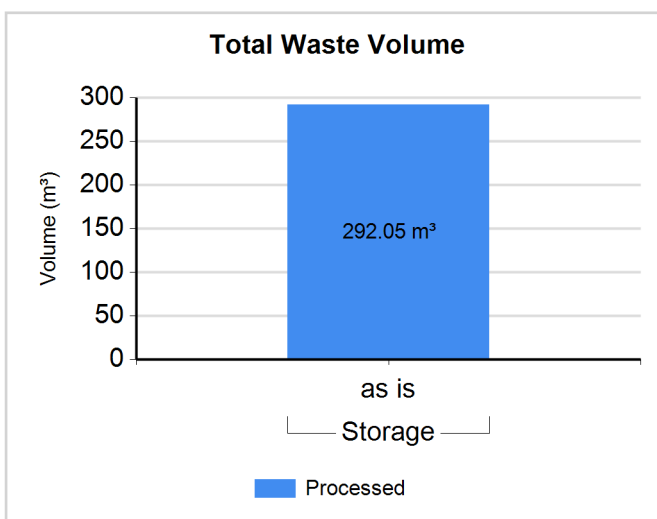
Waste Matrix Used: KOR

Comment # 25380: 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 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 / KRR-1&2	Y	N	292.050	292.050	0.00	0.00	0.00	0.00	0.00	100.00	0.00

## Site (Structure) : Daedeok

Country: KOREA, REPUBLIC OF

Reporting Year: 2010

Full Name: Nuclear fuel fabrication facility

Location: Yuseong-gu, Daejeon

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</b>		<b>#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: 2010

<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</b>		<b>#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 (Data) : Daedeok

Stock of waste as at December 2010

Country: KOREA, REPUBLIC OF

Reporting Year: 2010

**Site Name:** Daedeok

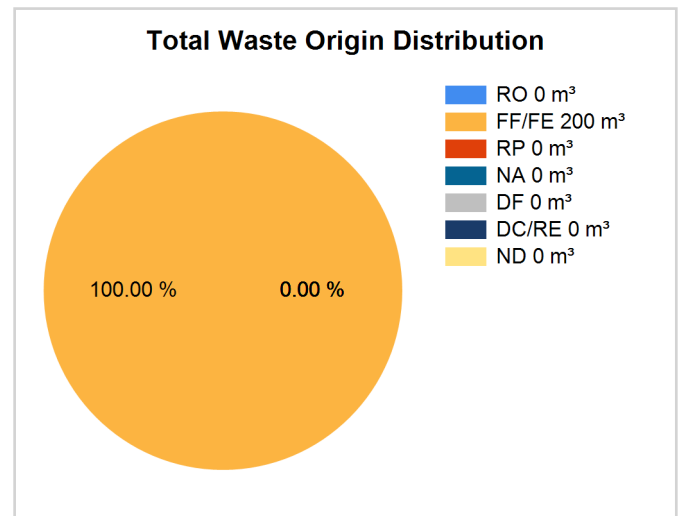
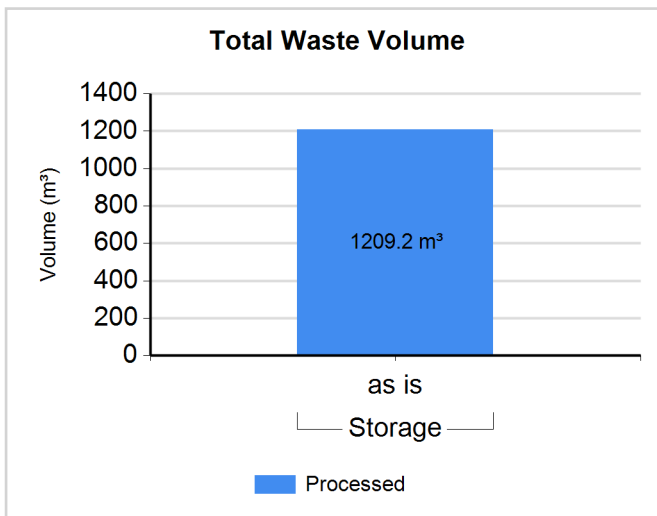
Full Name: Nuclear fuel fabrication facility

Inventory Reporting Date: December 2010

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 / #1 storage	Y	N	749.600	749.600	0.00	100.00	0.00	0.00	0.00	0.00	0.00
LILW	Storage / #2 storage	Y	N	459.600	459.600	0.00	100.00	0.00	0.00	0.00	0.00	0.00

## Site (Structure) : Kori

Country: KOREA, REPUBLIC OF

Reporting Year: 2010

Full Name: Kori Nuclear Power Plant Site

Location: Gijang-gun, Busan

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</b>		<b>#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: 2010

<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: 2010

<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: 2010

<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: 2010

<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 (Data) : Kori

Stock of waste as at December 2010

Country: KOREA, REPUBLIC OF

Reporting Year: 2010

Site Name: Kori

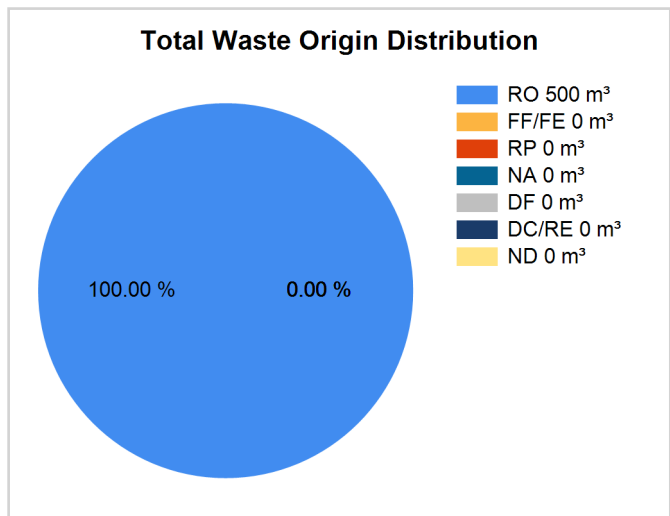
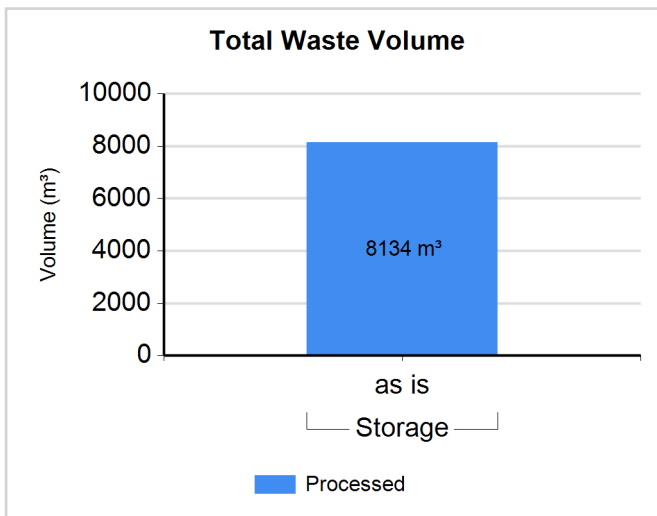
Full Name: Kori Nuclear Power Plant Site

Inventory Reporting Date: December 2010

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 / #1 storage	Y	N	1863.800	1863.800	100.00	0.00	0.00	0.00	0.00	0.00	0.00
LILW	Storage / #2 storage	Y	N	1199.800	1199.800	100.00	0.00	0.00	0.00	0.00	0.00	0.00
LILW	Storage / #3 storage	Y	N	2018.400	2018.400	100.00	0.00	0.00	0.00	0.00	0.00	0.00
LILW	Storage / #4 storage	Y	N	2888.800	2888.800	100.00	0.00	0.00	0.00	0.00	0.00	0.00
LILW	Storage / Others	Y	N	163.200	163.200	100.00	0.00	0.00	0.00	0.00	0.00	0.00

## Site (Structure) : Ulchin

Country: KOREA, REPUBLIC OF

Reporting Year: 2010

Full Name: Ulchin Nuclear Power Plant Site

Location: Ulchin-gun, Kyungbuk Province

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</b>		<b>#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 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	1989	No	No	No	No

## Site (Structure) : Ulchin

Country: KOREA, REPUBLIC OF

Reporting Year: 2010

<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: 2010

<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	1989	No	No	No	No



## Site (Data) : Ulchin

Stock of waste as at December 2010

Country: KOREA, REPUBLIC OF

Reporting Year: 2010

**Site Name:** Ulchin

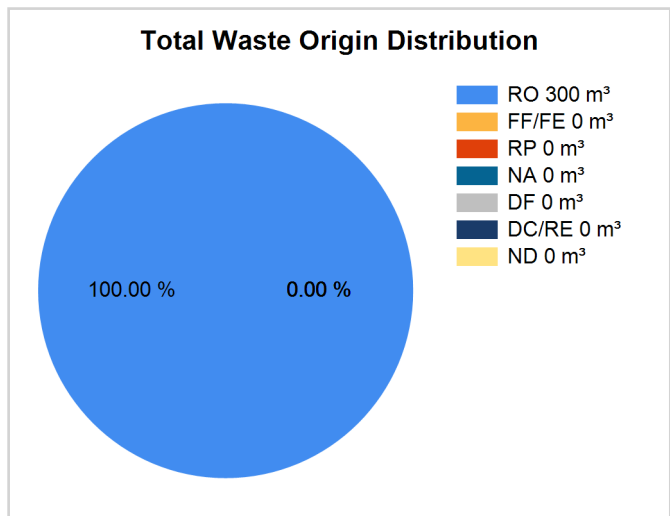
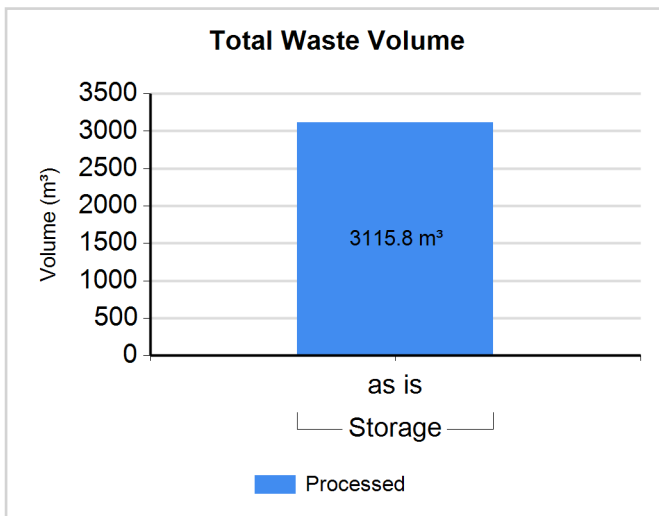
Full Name: Ulchin Nuclear Power Plant Site

Inventory Reporting Date: December 2010

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 / #1 storage	Y	N	1171.500	1171.500	100.00	0.00	0.00	0.00	0.00	0.00	0.00
LILW	Storage / #2 storage	Y	N	1112.300	1112.300	100.00	0.00	0.00	0.00	0.00	0.00	0.00
LILW	Storage / Others	Y	N	832.000	832.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00

## Site (Structure) : Wolsong

Country: KOREA, REPUBLIC OF

Reporting Year: 2010

Full Name: Wolsong Nuclear Power Plant Site

Location: Gyeongju, Kyungbuk Province

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 facility for the LILW at Wolsong NPP					
<b>Storage part of facility</b>		<b>#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>	1800 cubic meters (9000 drums)					
<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	1983	No	No	No	No

## Site (Structure) : Wolsong

Country: KOREA, REPUBLIC OF

Reporting Year: 2010

<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	1983	No	No	No	No

## Site (Data) : Wolsong

Stock of waste as at December 2010

Country: KOREA, REPUBLIC OF

Reporting Year: 2010

**Site Name:** Wolsong

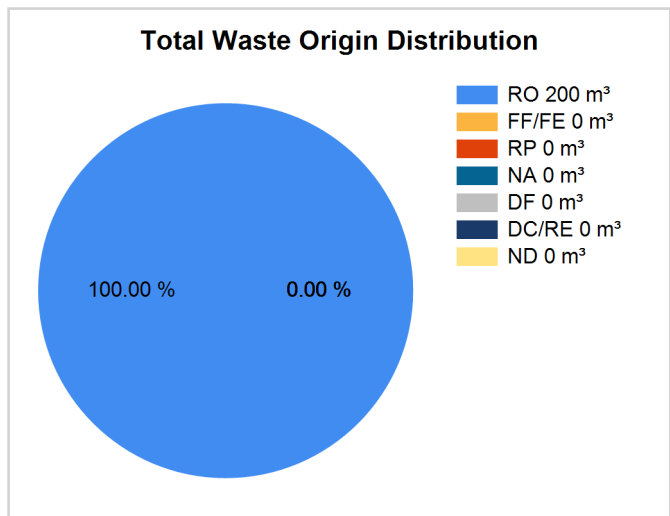
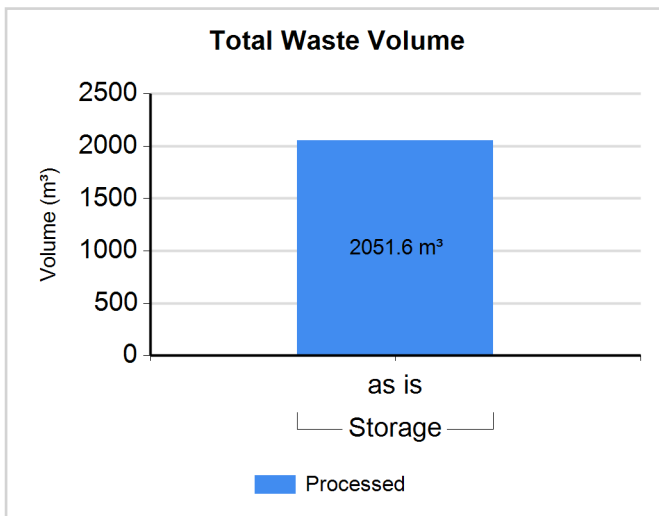
Full Name: Wolsong Nuclear Power Plant Site

Inventory Reporting Date: December 2010

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 / #1 storage	Y	N	1949.800	1949.800	100.00	0.00	0.00	0.00	0.00	0.00	0.00
LILW	Storage / Others	Y	N	101.800	101.800	100.00	0.00	0.00	0.00	0.00	0.00	0.00

## Site (Structure) : Yonggwang

Country: KOREA, REPUBLIC OF

Reporting Year: 2010

Full Name: Yonggwang Nuclear Power Plant Site

Location: Yonggwang-gun, Jeonnam Province

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</b>		<b>#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: 2010

<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: 2010

<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 (Data) : Yonggwang

Stock of waste as at December 2010

Country: KOREA, REPUBLIC OF

Reporting Year: 2010

Site Name: Yonggwang

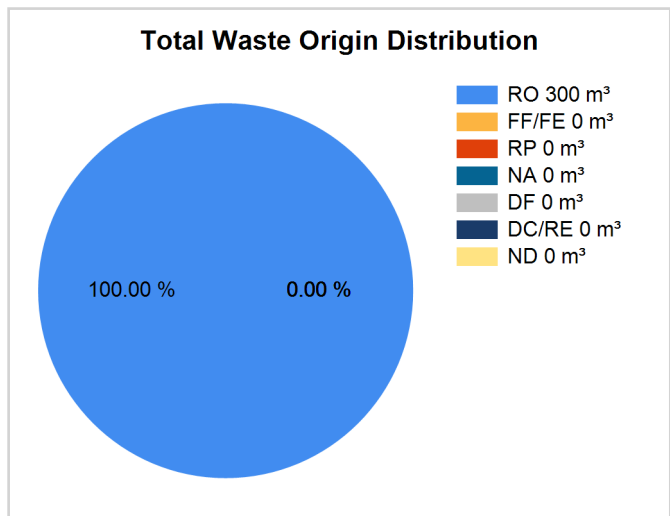
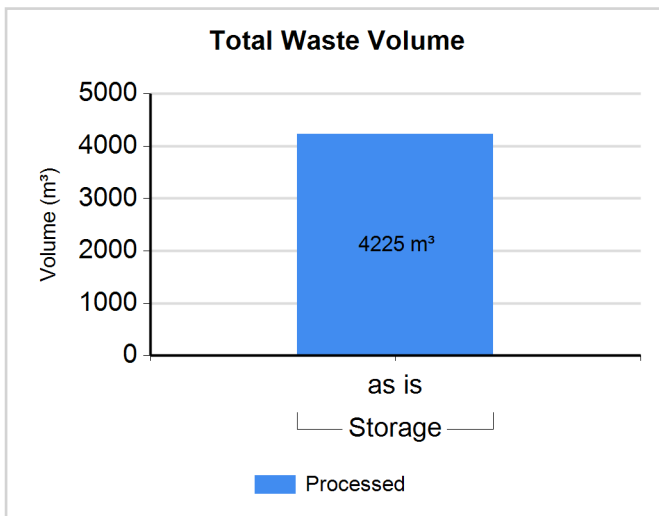
Full Name: Yonggwang Nuclear Power Plant Site

Inventory Reporting Date: December 2010

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 / #1 storage	Y	N	2174.400	2174.400	100.00	0.00	0.00	0.00	0.00	0.00	0.00
LILW	Storage / #2 storage	Y	N	1734.000	1734.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00
LILW	Storage / Others	Y	N	316.600	316.600	100.00	0.00	0.00	0.00	0.00	0.00	0.00



## Site (Structure) : Daedeok

Country: KOREA, REPUBLIC OF

Reporting Year: 2010

Full Name: Radioisotope waste management facility

Location: Yuseong-gu, Daejeon

Description:

Official Website:

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

Comment # 25382: 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:

## Site (Structure) : Daedeok

Country: KOREA, REPUBLIC OF

Reporting Year: 2010

<b>Facility:</b>	<b>RI waste</b>
<b>Description:</b>	Radioisotope waste management facility

**Storage part of facility**                      **RI waste**

The following shows storage status for waste classes and SRS.

Waste Class	Actual	Planned
HLW	No	No
LILW	Yes	No

<b>List SRS?</b>	Yes
<b>List UMMT?</b>	No

<b>Capacity:</b>	1950 cubic meters (9750 200-liter-drums equivalent)
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## Types of Storage Units

Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
RI waste	building	1993	No	No	No	No

**Processing part of facility**                      **RI waste**

The following shows processing status for waste classes and SRS.

Waste Class	Actual	Planned
HLW	No	No
LILW	Yes	No

<b>Type:</b>	Treatment
<b>Year opened:</b>	2000

## Site (Data) : Daedeok

Stock of waste as at December 2010

Country: KOREA, REPUBLIC OF

Reporting Year: 2010

**Site Name:** Daedeok

Full Name: Radioisotope waste management facility

Inventory Reporting Date: December 2010

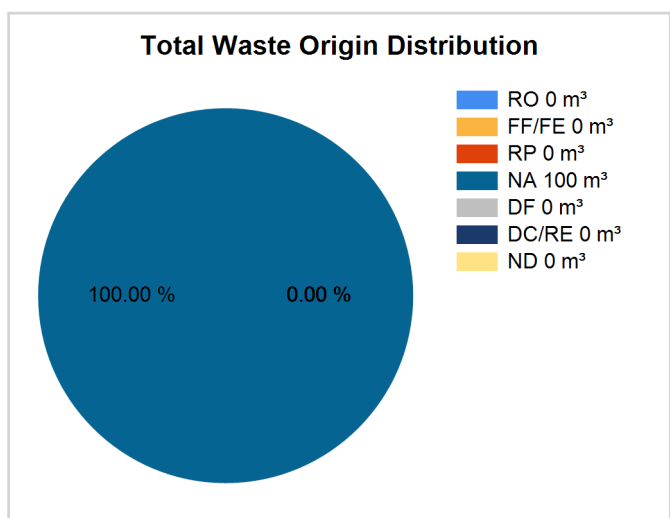
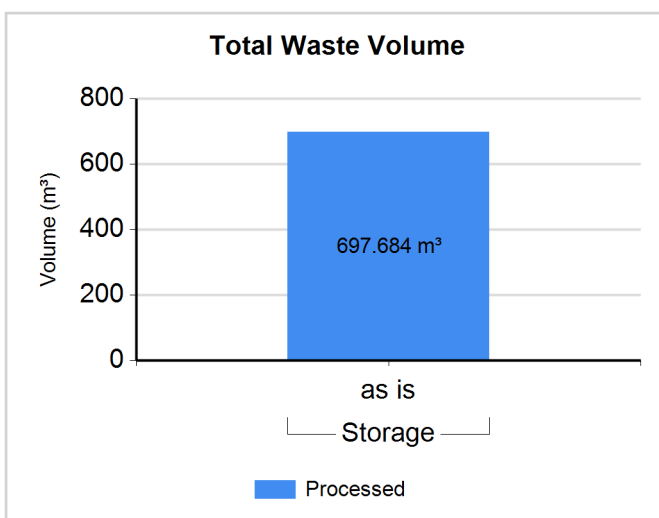
Waste Matrix Used: KOR

Comment # 25382: Site Daedeok

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

**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 / RI waste	Y	N	697.684	697.684	0.00	0.00	0.00	100.00	0.00	0.00	0.00

**Processing - Treatment method(s)**

No data available.

## Regulations / Laws

Country: KOREA, REPUBLIC OF

Reporting Year: 2010

<b>Name:</b>	<b>AEA</b>		
Title or Name:	Atomic Energy Act		
Reference Number:			
Date Promulgated or Proclaimed:	3/11/1958	Law	

<b>Name:</b>	<b>08-55</b>		
Title or Name:	Quality Assurance Criteria for Radioactive Waste Management Facilities		
Reference Number:	MEST Notice No.2008-55		
Date Promulgated or Proclaimed:	4/18/2008	Law	

<b>Name:</b>	<b>08-68</b>		
Title or Name:	Regulation on Inspection of Manufacture and Use of Radioactive Material Transport Containers		
Reference Number:	MEST Notice No.2008-68		
Date Promulgated or Proclaimed:	4/18/2008	Law	

<b>Name:</b>	<b>08-69</b>		
Title or Name:	Regulation on the Packaging and Transport of Radioactive Materials, etc.		
Reference Number:	MEST Notice No.2008-69		
Date Promulgated or Proclaimed:	4/18/2008	Law	

<b>Name:</b>	<b>08-64</b>		
Title or Name:	Regulation on the Clearance Level of Radioactive Waste		
Reference Number:	MEST Notice No.2008-64		
Date Promulgated or Proclaimed:	4/18/2008	Law	

<b>Name:</b>	<b>08-62</b>		
Title or Name:	Incineration Criteria of Low and Intermediate level Radioactive Waste		
Reference Number:	MEST Notice No.2008-62		
Date Promulgated or Proclaimed:	4/18/2008	Law	

## Regulations / Laws

Country: KOREA, REPUBLIC OF

Reporting Year: 2010

<b>Name:</b>	<b>08-66</b>	
Title or Name:	Acceptance Criteria for Spent Fuel	
Reference Number:	MEST Notice No.2008-66	
Date Promulgated or Proclaimed:	4/18/2008	Law

<b>Name:</b>	<b>08-31</b>	
Title or Name:	Standards on Radiation Protection, etc.	
Reference Number:	MEST Notice No.2008-31	
Date Promulgated or Proclaimed:	4/18/2008	Law

<b>Name:</b>	<b>08-58</b>	
Title or Name:	Siting Criteria for Spent Fuel Interim Storage Facilities	
Reference Number:	MEST Notice No.2008-58	
Date Promulgated or Proclaimed:	4/18/2008	Law

<b>Name:</b>	<b>08-28</b>	
Title or Name:	Regulation on the Environmental Radiation Survey and Impact Analysis in the Vicinity of Nuclear Facilities	
Reference Number:	MEST Notice No.2008-28	
Date Promulgated or Proclaimed:	4/18/2008	Law

<b>Name:</b>	<b>08-60</b>	
Title or Name:	Criteria for Structure and Equipment of Low and Intermediate level Radioactive Waste Repository	
Reference Number:	MEST Notice No.2008-60	
Date Promulgated or Proclaimed:	4/18/2008	Law

<b>Name:</b>	<b>08-54</b>	
Title or Name:	Standard Format and Contents of Site Characteristics Report for Spent Fuel Interim Storage	
Reference Number:	MEST Notice No.2008-54	
Date Promulgated or Proclaimed:	4/18/2008	Law

## Regulations / Laws

Country: KOREA, REPUBLIC OF

Reporting Year: 2010

<b>Name:</b>	<b>08-59</b>	
Title or Name:	Criteria for Structure and Equipment of Low and Intermediate level Radioactive Waste Treatment System	
Reference Number:	MEST Notice No.2008-59	
Date Promulgated or Proclaimed:	4/18/2008	Law

<b>Name:</b>	<b>08-57</b>	
Title or Name:	Technical Requirement for the Operation and Control of Low and Intermediate level Radioactive Waste Repository	
Reference Number:	MEST Notice No.2008-57	
Date Promulgated or Proclaimed:	4/18/2008	Law

<b>Name:</b>	<b>08-52</b>	
Title or Name:	Standard Format and Contents of Safety Analysis Report for Low and Intermediate level Radioactive Waste Repository	
Reference Number:	MEST Notice No.2008-52	
Date Promulgated or Proclaimed:	4/18/2008	Law

<b>Name:</b>	<b>08-61</b>	
Title or Name:	Regulation on Inspection of Radioactive Waste Disposal	
Reference Number:	MEST Notice No.2008-61	
Date Promulgated or Proclaimed:	4/18/2008	Law

<b>Name:</b>	<b>08-53</b>	
Title or Name:	Standard Format and Contents of Site Characteristics Report for Low and Intermediate level Radioactive Waste Repository	
Reference Number:	MEST Notice No.2008-53	
Date Promulgated or Proclaimed:	4/18/2008	Law

<b>Name:</b>	<b>08-56</b>	
Title or Name:	Siting criteria for Low and Intermediate level Radioactive Waste Repository	
Reference Number:	MEST Notice No.2008-56	
Date Promulgated or Proclaimed:	4/18/2008	Law

## Regulations / Laws

Country: KOREA, REPUBLIC OF

Reporting Year: 2010

<b>Name:</b>	<b>08-63</b>		
Title or Name:	Radiological Protection Criteria for Long-term Safety on Low and Intermediate level Radioactive Waste Disposal		
Reference Number:	MEST Notice No.2008-63		
Date Promulgated or Proclaimed:	4/18/2008	Law	

<b>Name:</b>	<b>08-65</b>		
Title or Name:	Acceptance Criteria for Low and Intermediate level Radioactive Waste		
Reference Number:	MEST Notice No.2008-65		
Date Promulgated or Proclaimed:	4/18/2008	Law	

<b>Name:</b>	<b>08-27</b>		
Title or Name:	Regulation on Preparation, etc. of Radiological Environmental Report of Nuclear Power Utilization Facilities		
Reference Number:	MEST Notice No.2008-27		
Date Promulgated or Proclaimed:	4/18/2008	Law	

## Future Outlook

Country: KOREA, REPUBLIC OF

Reporting Year: 2010

**Data not available.**



## Future Outlook

Country: KOREA, REPUBLIC OF

Reporting Year: 2010

**Data not available.**

## Future Outlook

Country: KOREA, REPUBLIC OF

Reporting Year: 2010

**Data not available.**

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Country: KOREA, REPUBLIC OF

Reporting Year: 2010

**Data not available.**

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Country: KOREA, REPUBLIC OF

Reporting Year: 2010

**Data not available.**

## Future Outlook

Country: KOREA, REPUBLIC OF

Reporting Year: 2010

**Data not available.**

## Future Outlook

Country: KOREA, REPUBLIC OF

Reporting Year: 2010

**Data not available.**