



Country Waste Profile Report for KOREA, REPUBLIC OF Reporting Year: 2008

*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*

Waste Classification Schemes

Country: KOREA, REPUBLIC OF

Reporting Year: 2008

Waste Class Matrix: **IAEA Def.**

This country does use the IAEA Scheme: No

Description: The Agency's standard matrix

Waste Class Name	Distribution %		
	LILW-SL	LILW-LL	HLW
LILW-SL	100.0	0.0	0.0
LILW-LL	0.0	100.0	0.0
HLW	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 %		
	LILW-SL	LILW-LL	HLW
LILW	90.0	10.0	0.0
HLW	0.0	0.0	100.0

Comment **# 17630: 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/m³

Attachment **#1583: Waste Matrix**

classification.doc

Definition and classification of radioactive waste in accordance with the Atomic Energy Act

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

Is not defined

Groups Overview

Country: KOREA, REPUBLIC OF

Reporting Year: 2008

Reporting Group:	KAERI
Inventory Reporting Date:	December 2008
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	

Reporting Group:	KHNP_NETEC
Inventory Reporting Date:	December 2008
Waste Matrix Used:	KOR
Description:	NETEC is an affiliate of the KHNP. NETEC has the duties related to the operation of the RI waste management facility

Site Name	Facility Name	Facilities Defined		
Daedeok	RI waste	processing	storage	

Reporting Group:	KNF
Inventory Reporting Date:	December 2008
Waste Matrix Used:	KOR
Description:	Korea Nuclear Fuel Co., Ltd.

Site Name	Facility Name	Facilities Defined		
Daedeok	#1 storage		storage	
	#2 storage		storage	

Comment **# 17830: Reporting Group KNF**

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: 2008

Reporting Group:	NPP_KHNP
Inventory Reporting Date:	December 2008
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

Site (Structure) : Daedeok

Country: KOREA, REPUBLIC OF

Reporting Year: 2008

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:

Facility:	#1 storage					
Description:	KAERI No.1 storage facility for radioactive waste at the KAERI					
Storage part of facility #1 storage						
The following shows storage status for waste classes and SRS.						
Waste Class	Actual	Planned				
LILW	Yes	No				
HLW	No	No				
List SRS?	No					
List UMMT?	No					
Capacity:	2866 cubic meters (14330 200-liter-drums equivalent)					
Types of Storage Units						
Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
#1 storage	building	1985	No	No	No	No

Site (Structure) : Daedeok

Country: KOREA, REPUBLIC OF

Reporting Year: 2008

Facility:	#2 storage					
Description:	KAERI No.2 storage facility for radioactive waste at the KAERI					
Storage part of facility #2 storage						
The following shows storage status for waste classes and SRS.						
Waste Class	Actual	Planned				
LILW	Yes	No				
HLW	No	No				
List SRS?	No					
List UMMT?	No					
Capacity:	337.6 cubic meters (1688 200-liter-drums equivalent)					
Types of Storage Units						
Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
#2 storage	building	1985	No	No	No	No

Site (Structure) : Daedeok

Country: KOREA, REPUBLIC OF

Reporting Year: 2008

Facility:	UCF
Description:	Temporary storage building in Uranium Conversion Facility(UCF) under decommissioning

Storage part of facility UCF

The following shows storage status for waste classes and SRS.

Waste Class	Actual	Planned
LILW	Yes	No
HLW	No	No

List SRS?	No
List UMMT?	No

Capacity:	Radioactive waste from the decommissioning of UCF is stored temporary building in the UCF
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Types of Storage Units

Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
UCF	building	0	No	No	No	No

Comment **# 17824: Storage Facility UCF**

The Uranium Conversion Facility(UCF), which is located at the Daejeon KAERI site, was constructed in 1982 for the development of the fuel fabrication technologies for the PHWR. UCF is currently under decommissioning. Radioactive waste from the decommissioning of UCF is stored in temporary storage building in the conversion facility. Additionally, 74 drums of radioactive waste generated from operation are currently stored in this building.

Site (Data) : Daedeok

Stock of waste as at December 2008

Country: KOREA, REPUBLIC OF

Reporting Year: 2008

Site Name: Daedeok

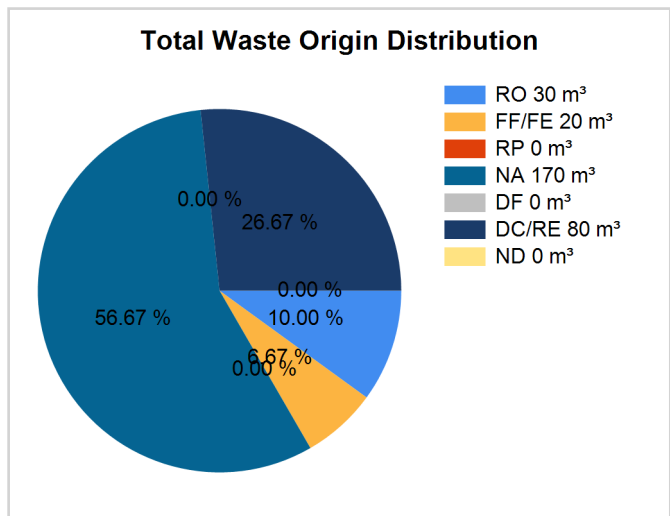
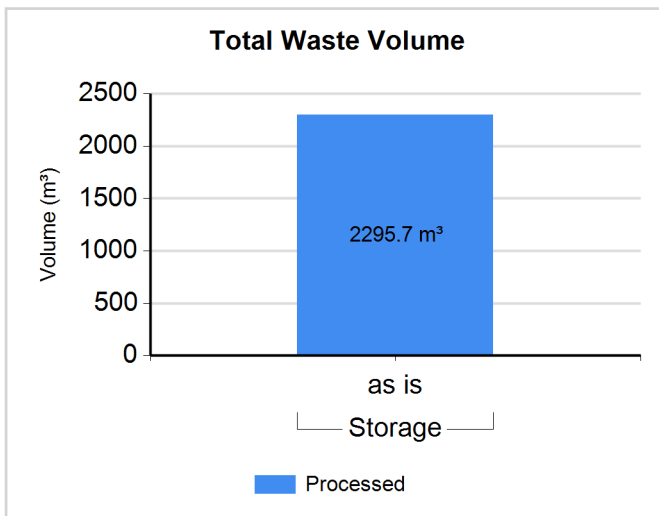
Full Name: Storgae facilities for radioactive waste at the KAERI

Inventory Reporting Date: December 2008

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	Y	1924.800	1924.800	20.00	0.00	0.00	80.00	0.00	0.00	0.00
LILW	Storage / #2 storage	Y	Y	241.500	241.500	10.00	0.00	0.00	90.00	0.00	0.00	0.00
LILW	Storage / UCF	Y	N	129.400	129.400	0.00	20.00	0.00	0.00	0.00	80.00	0.00

Comment # 17840: 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.

Comment # 17841: Waste Storage facilities/Class LILW/Site Daedeok

Temporary storage building in UCF has total 377drums including operational waste 74drums.(as of December 2007)

Site (Structure) : Seoul

Country: KOREA, REPUBLIC OF

Reporting Year: 2008

Full Name: Ex-KAERI Research Reactor

Description:

Official Website:

License Holder(s): KAERI

Comment # 17825: 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:

Facility:	KRR-1&2					
Description:	Temporary storage building for radioactive waste from KRR-1 and 2 under decommissioning					
Storage part of facility KRR-1&2						
The following shows storage status for waste classes and SRS.						
Waste Class	Actual	Planned				
LILW	Yes	No				
HLW	No	No				
List SRS?	No					
List UMMT?	No					
Capacity:	temporary storage building for decommissioning waste					
Types of Storage Units						
Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
KRR-1&2	building	0	No	No	No	No
Comment # 17826: Storage Facility KRR-1&2						
Radioactive waste from the decommissioning of KRR-1 and 2 is stored in temporary storage building in the KRR-1 and 2.						

Site (Data) : Seoul

Stock of waste as at December 2008

Country: KOREA, REPUBLIC OF

Reporting Year: 2008

Site Name: Seoul

Full Name: Ex-KAERI Research Reactor

Inventory Reporting Date: December 2008

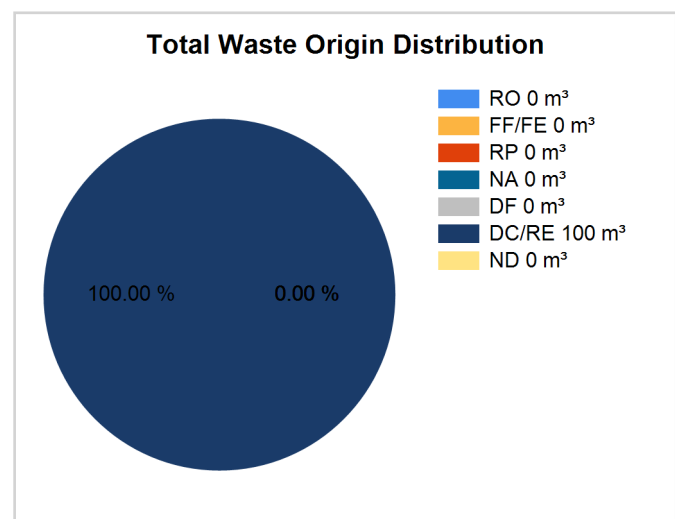
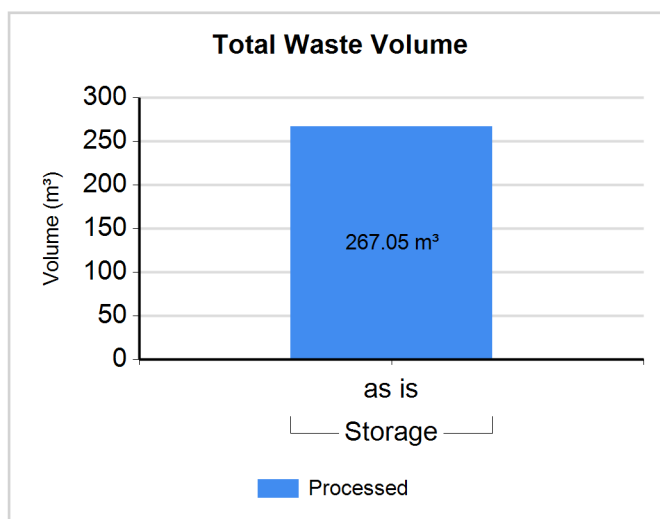
Waste Matrix Used: KOR

Comment # 17825: 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	267.050	267.050	0.00	0.00	0.00	0.00	0.00	100.00	0.00

Site (Structure) : Daedeok

Country: KOREA, REPUBLIC OF

Reporting Year: 2008

Full Name: Radioisotope waste management facility

Description:

Official Website:

License Holder(s): NETEC/KHNP
: Nuclear Engineering & Technology Institute(NETEC), a division of Korea Hydro & Nuclear Power Co. Ltd. (KHNP)

Comment # 17827: 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: 2008

Facility:	RI waste
Description:	Radioisotope waste management facility

Storage part of facility **RI waste**

The following shows storage status for waste classes and SRS.

Waste Class	Actual	Planned
LILW	Yes	No
HLW	No	No

List SRS?	No
List UMMT?	No

Capacity:	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	Yes

Processing part of facility **RI waste**

The following shows processing status for waste classes and SRS.

Waste Class	Actual	Planned
LILW	Yes	No
HLW	No	No

Type:	Treatment
Year opened:	2000

Comment **# 17828: Processing Facility RI waste**

RI waste management facility operates incinerator to treat combustible waste.

Comment **# 17829: Storage Facility RI waste**

The RI waste generated from domestic users is collected and stored at the RI waste storage facility. The unsealed source waste and disused sealed sources are stored in this facility.

Site (Data) : Daedeok

Stock of waste as at December 2008

Country: KOREA, REPUBLIC OF

Reporting Year: 2008

Site Name: Daedeok

Full Name: Radioisotope waste management facility

Inventory Reporting Date: December 2008

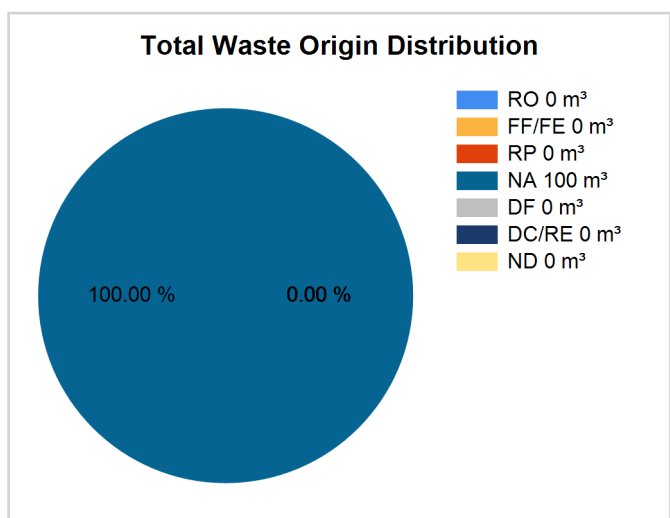
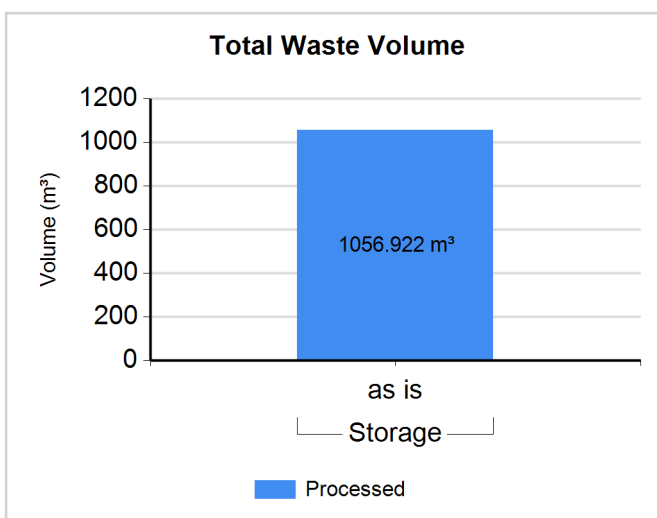
Waste Matrix Used: KOR

Comment # 17827: 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	1056.922	1056.922	0.00	0.00	0.00	100.00	0.00	0.00	0.00

Processing - Treatment method(s)

Method	Status			
	Planned	R&D program	Current practice method use over the last 5 years	Past Practice
Incineration	N	N	Same	N

Site (Structure) : Daedeok

Country: KOREA, REPUBLIC OF

Reporting Year: 2008

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:

Facility:	#1 storage					
Description:	No.1 storage facilities for radioactive waste at the KNF					
Storage part of facility #1 storage						
The following shows storage status for waste classes and SRS.						
Waste Class	Actual	Planned				
LILW	Yes	No				
HLW	No	No				
List SRS?	No					
List UMMT?	No					
Capacity:	980 cubic meters (4900 200-liter-drum equivalent)					
Types of Storage Units						
Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
#1 storage	building	1993	No	No	No	No

Site (Structure) : Daedeok

Country: KOREA, REPUBLIC OF

Reporting Year: 2008

Facility:	#2 storage					
Description:	No.2 storage facilities for radioactive waste at the KNF					
Storage part of facility #2 storage						
The following shows storage status for waste classes and SRS.						
Waste Class	Actual	Planned				
LILW	Yes	No				
HLW	No	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?
#2 storage	building	1998	No	No	No	No

Site (Data) : Daedeok

Stock of waste as at December 2008

Country: KOREA, REPUBLIC OF

Reporting Year: 2008

Site Name: Daedeok

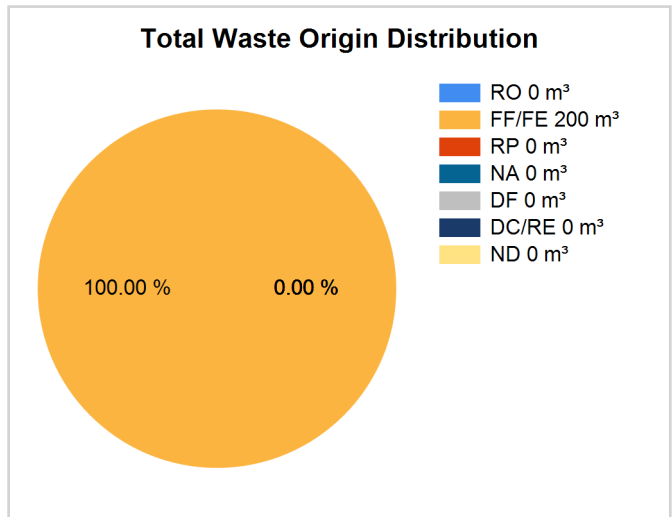
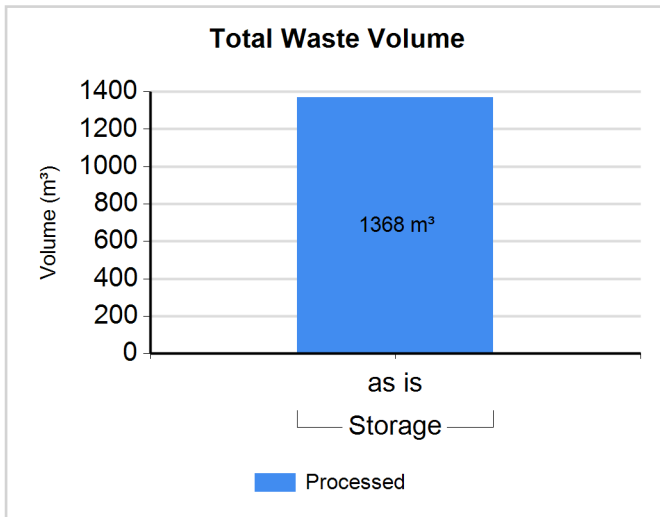
Full Name: Nuclear fuel fabrication facility

Inventory Reporting Date: December 2008

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	808.400	808.400	0.00	100.00	0.00	0.00	0.00	0.00	0.00
LILW	Storage / #2 storage	Y	N	559.600	559.600	0.00	100.00	0.00	0.00	0.00	0.00	0.00

Site (Structure) : Kori

Country: KOREA, REPUBLIC OF

Reporting Year: 2008

Full Name: Kori Nuclear Power Plant Site

Description:

Official Website:

License Holder(s): KHNP

Waste management facilities that are located at this site:

Facility:	#1 storage					
Description:	Storage from Kori Units 1~4					
Storage part of facility #1 storage						
The following shows storage status for waste classes and SRS.						
Waste Class	Actual	Planned				
LILW	Yes	No				
HLW	No	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	1978	No	No	No	No

Site (Structure) : Kori

Country: KOREA, REPUBLIC OF

Reporting Year: 2008

Facility:	#2 storage					
Description:	Storage from Kori Units 1~4					
Storage part of facility #2 storage						
The following shows storage status for waste classes and SRS.						
Waste Class	Actual	Planned				
LILW	Yes	No				
HLW	No	No				
List SRS?	No					
List UMMT?	No					
Capacity:	1200 cubic meters (6000 200-liter-drums equivalent)					
Types of Storage Units						
Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
#2 storage	building	1979	No	No	No	No

Site (Structure) : Kori

Country: KOREA, REPUBLIC OF

Reporting Year: 2008

Facility:	#3 storage					
Description:	Storage from Kori Units 1~4					
Storage part of facility #3 storage						
The following shows storage status for waste classes and SRS.						
Waste Class	Actual	Planned				
LILW	Yes	No				
HLW	No	No				
List SRS?	No					
List UMMT?	No					
Capacity:	2240 cubic meters (11200 200-liter-drums equivalent)					
Types of Storage Units						
Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
#3 storage	building	1987	No	No	No	No

Site (Structure) : Kori

Country: KOREA, REPUBLIC OF

Reporting Year: 2008

Facility:	#4 storage					
Description:	Storage from Kori Units 1~4					
Storage part of facility #4 storage						
The following shows storage status for waste classes and SRS.						
Waste Class	Actual	Planned				
LILW	Yes	No				
HLW	No	No				
List SRS?	No					
List UMMT?	No					
Capacity:	4600 cubic meters (23000 200-liter-drums equivalent)					
Types of Storage Units						
Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
#4 storage	building	1993	No	No	No	No

Site (Structure) : Kori

Country: KOREA, REPUBLIC OF

Reporting Year: 2008

Facility:	Others					
Description:	temporary storage such as radiation controlled areas or other related agencies					
Storage part of facility Others						
The following shows storage status for waste classes and SRS.						
Waste Class	Actual	Planned				
LILW	Yes	No				
HLW	No	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	0	No	No	No	No

Site (Data) : Kori

Stock of waste as at December 2008

Country: KOREA, REPUBLIC OF

Reporting Year: 2008

Site Name: Kori

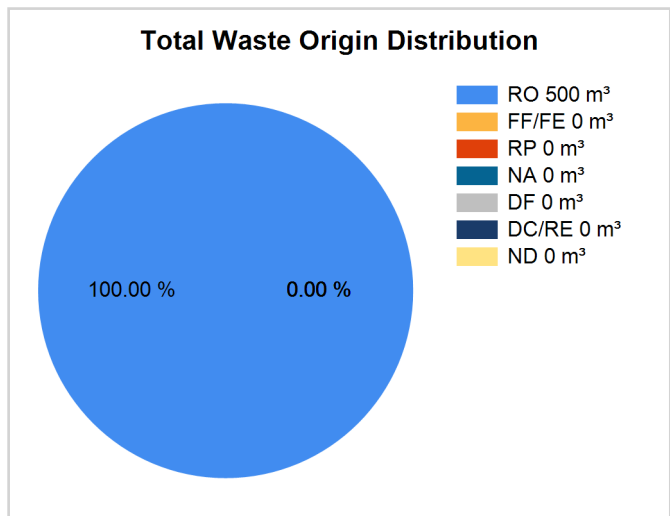
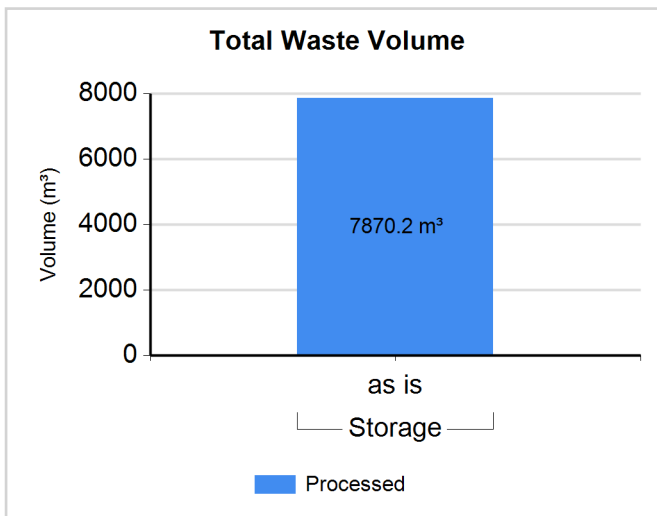
Full Name: Kori Nuclear Power Plant Site

Inventory Reporting Date: December 2008

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	1864.000	1864.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00
LILW	Storage / #2 storage	Y	N	1199.200	1199.200	100.00	0.00	0.00	0.00	0.00	0.00	0.00
LILW	Storage / #3 storage	Y	N	1985.000	1985.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00
LILW	Storage / #4 storage	Y	N	2704.600	2704.600	100.00	0.00	0.00	0.00	0.00	0.00	0.00
LILW	Storage / Others	Y	N	117.400	117.400	100.00	0.00	0.00	0.00	0.00	0.00	0.00

Site (Structure) : Ulchin

Country: KOREA, REPUBLIC OF

Reporting Year: 2008

Full Name: Ulchin Nuclear Power Plant Site

Description:

Official Website:

License Holder(s): KHNP

Waste management facilities that are located at this site:

Facility:	#1 storage					
Description:	Storage from Ulchin Units 1, 2					
Storage part of facility #1 storage						
The following shows storage status for waste classes and SRS.						
Waste Class	Actual	Planned				
LILW	Yes	No				
HLW	No	No				
List SRS?	No					
List UMMT?	No					
Capacity:	1480 cubic meters (7400 200-liter-drums equivalnet)					
Types of Storage Units						
Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
#1 storage	building	1989	No	No	No	No

Site (Structure) : Ulchin

Country: KOREA, REPUBLIC OF

Reporting Year: 2008

Facility:	#2 storage					
Description:	Storage from Ulchin Units 1~6					
Storage part of facility #2 storage						
The following shows storage status for waste classes and SRS.						
Waste Class	Actual	Planned				
LILW	Yes	No				
HLW	No	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?
#2 storage	building	1997	No	No	No	No

Site (Structure) : Ulchin

Country: KOREA, REPUBLIC OF

Reporting Year: 2008

Facility:	Others					
Description:	temporary storage such as radiation controlled areas or other related agencies					
Storage part of facility Others						
The following shows storage status for waste classes and SRS.						
Waste Class	Actual	Planned				
LILW	Yes	No				
HLW	No	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	0	No	No	No	No

Site (Data) : Ulchin

Stock of waste as at December 2008

Country: KOREA, REPUBLIC OF

Reporting Year: 2008

Site Name: Ulchin

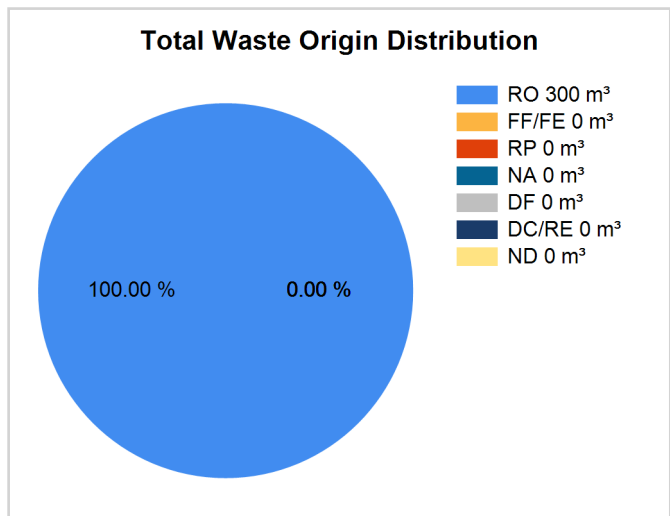
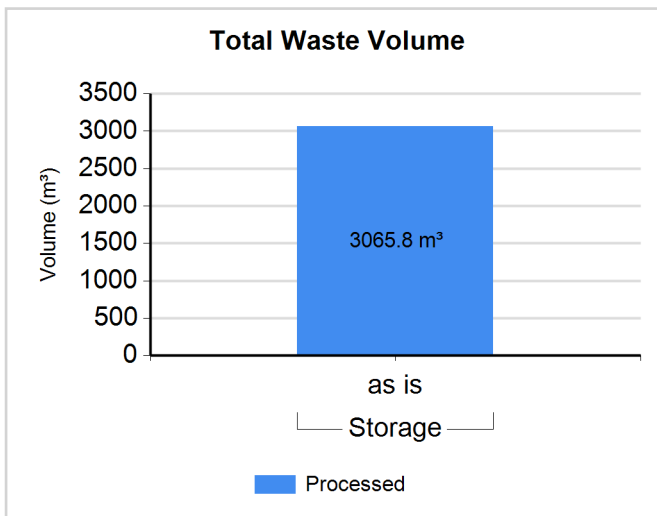
Full Name: Ulchin Nuclear Power Plant Site

Inventory Reporting Date: December 2008

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	1199.900	1199.900	100.00	0.00	0.00	0.00	0.00	0.00	0.00
LILW	Storage / #2 storage	Y	N	1206.700	1206.700	100.00	0.00	0.00	0.00	0.00	0.00	0.00
LILW	Storage / Others	Y	N	659.200	659.200	100.00	0.00	0.00	0.00	0.00	0.00	0.00

Site (Structure) : Wolsong

Country: KOREA, REPUBLIC OF

Reporting Year: 2008

Full Name: Wolsong Nuclear Power Plant Site

Description:

Official Website:

License Holder(s): KHNP

Waste management facilities that are located at this site:

Facility:	#1 storage					
Description:	Storage facility for the LILW at Wolsong NPP					
Storage part of facility #1 storage						
The following shows storage status for waste classes and SRS.						
Waste Class	Actual	Planned				
LILW	Yes	No				
HLW	No	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: 2008

Facility:	Others					
Description:	temporary storage such as radiation controlled areas or other related agencies					
Storage part of facility Others						
The following shows storage status for waste classes and SRS.						
Waste Class	Actual	Planned				
LILW	Yes	No				
HLW	No	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	0	No	No	No	No

Site (Data) : Wolsong

Stock of waste as at December 2008

Country: KOREA, REPUBLIC OF

Reporting Year: 2008

Site Name: Wolsong

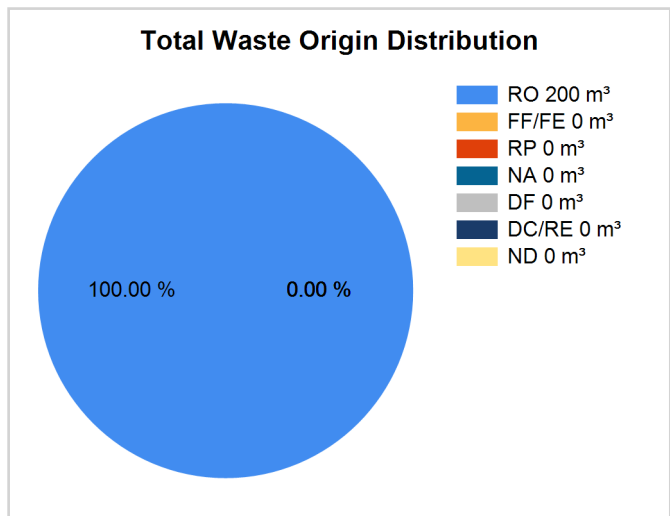
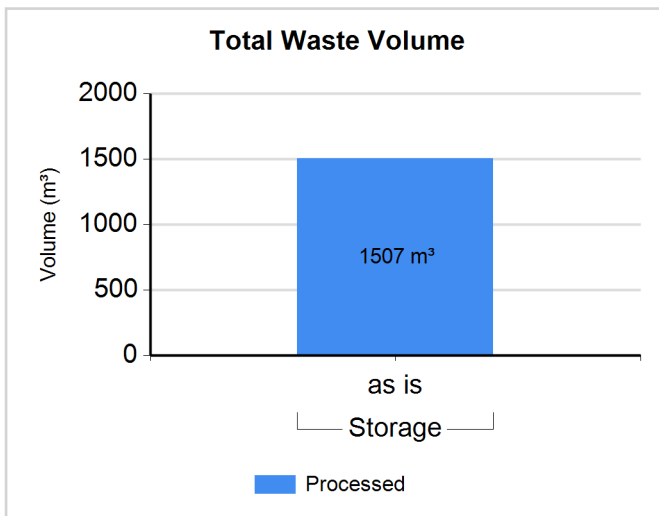
Full Name: Wolsong Nuclear Power Plant Site

Inventory Reporting Date: December 2008

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	1506.600	1506.600	100.00	0.00	0.00	0.00	0.00	0.00	0.00
LILW	Storage / Others	Y	N	0.400	0.400	100.00	0.00	0.00	0.00	0.00	0.00	0.00

Site (Structure) : Yonggwang

Country: KOREA, REPUBLIC OF

Reporting Year: 2008

Full Name: Yonggwang Nuclear Power Plant Site

Description:

Official Website:

License Holder(s): KHNP

Waste management facilities that are located at this site:

Facility:	#1 storage					
Description:	Storage from Yonggwang Units 1,2					
Storage part of facility #1 storage						
The following shows storage status for waste classes and SRS.						
Waste Class	Actual	Planned				
LILW	Yes	No				
HLW	No	No				
List SRS?	No					
List UMMT?	No					
Capacity:	2660 cubic meters (13300 200-liter-drums equivalent)					
Types of Storage Units						
Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
#1 storage	building	1986	No	No	No	No

Site (Structure) : Yonggwang

Country: KOREA, REPUBLIC OF

Reporting Year: 2008

Facility:	#2 storage					
Description:	Storage from Yonggwang Units 1~6					
Storage part of facility #2 storage						
The following shows storage status for waste classes and SRS.						
Waste Class	Actual	Planned				
LILW	Yes	No				
HLW	No	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?
#2 storage	building	2002	No	No	No	No

Site (Structure) : Yonggwang

Country: KOREA, REPUBLIC OF

Reporting Year: 2008

Facility:	Others					
Description:	temporary storage such as radiation controlled areas or other related agencies					
Storage part of facility Others						
The following shows storage status for waste classes and SRS.						
Waste Class	Actual	Planned				
LILW	Yes	No				
HLW	No	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	0	No	No	No	No

Site (Data) : Yonggwang

Stock of waste as at December 2008

Country: KOREA, REPUBLIC OF

Reporting Year: 2008

Site Name: Yonggwang

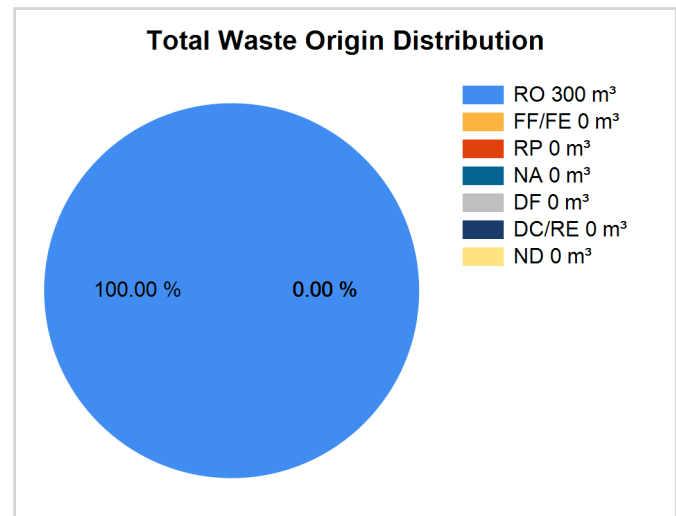
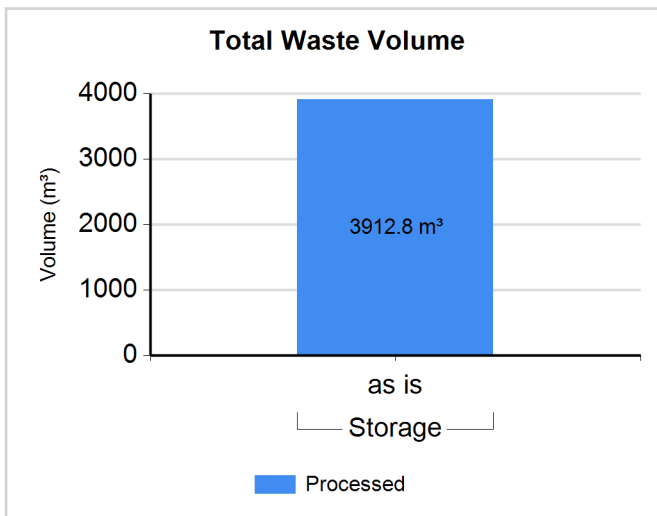
Full Name: Yonggwang Nuclear Power Plant Site

Inventory Reporting Date: December 2008

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	2016.400	2016.400	100.00	0.00	0.00	0.00	0.00	0.00	0.00
LILW	Storage / #2 storage	Y	N	1653.800	1653.800	100.00	0.00	0.00	0.00	0.00	0.00	0.00
LILW	Storage / Others	Y	N	242.600	242.600	100.00	0.00	0.00	0.00	0.00	0.00	0.00

Regulators

Country: KOREA, REPUBLIC OF

Reporting Year: 2008

Name:	MEST
Full Name:	Ministry of Education, Science and Technology
Divison:	Atomic Energy Bureau Radiation Safety Division
City or Town:	Sejong-no, Jongno-gu, Seoul
Main Website:	

Comment **# 17831: Regulator MEST**

In according to the reorganization of the government, in the end of February 2008, the Ministry of Education, Science and Technology was established as an integration of the Ministry of Science and Technology and the Ministry of Education and Human Resources Development

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

Comment **# 17832: 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: 2008

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

Name:	08-55		
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	

Name:	08-68		
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	

Name:	08-69		
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	

Name:	08-64		
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	

Name:	08-62		
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: 2008

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

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

Name:	08-58	
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

Name:	08-28	
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

Name:	08-60	
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

Name:	08-54	
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: 2008

Name:	08-59	
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

Name:	08-57	
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

Name:	08-52	
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

Name:	08-61	
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

Name:	08-53	
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

Name:	08-56	
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: 2008

Name:	08-63	
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

Name:	08-65	
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

Name:	08-27	
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

Milestones

Country: KOREA, REPUBLIC OF

Reporting Year: 2008

Start Year or Reference Year:	2008	End Year:	2012
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			

Future Outlook

Country: KOREA, REPUBLIC OF

Reporting Year: 2008

Data not available.

Future Outlook

Country: KOREA, REPUBLIC OF

Reporting Year: 2008

Data not available.

Future Outlook

Country: KOREA, REPUBLIC OF

Reporting Year: 2008

Data not available.

Future Outlook

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Reporting Year: 2008

Data not available.

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Data not available.

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Data not available.

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Data not available.

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Reporting Year: 2008

Data not available.