Radiological Emergency

ACTIONS

to protect myself

Nuclear Safety and
Security Commission

This booklet provides information on resident protection and disaster prevention measures and explains about action guidelines for residents in nuclear power plant regions.
We hope this booklet helps raise the level of understanding in a radiation emergency for residents in nuclear power plant regions.

Know This

Radiological emergency _1
When a radiological emergency is issued _2
Facility emergency • Site area emergency • General Emergency _4
Radiological emergency is announced this way _6
Remember this when a radiological emergency occurs _7

Act This Way

Prepare to evacuate ①~④ _8
Once instructed to evacuate _12
Ask about the well-being of family at a medical relief station _13

Examine My Area

Emergency Planning Zone _14
Emergency Planning Zone by nuclear power plant region _16

Know This

Radiological emergency

If radioactive materials have leaked
or there is expected risk of leak,



evacuation measures, etc.
for residents' safety are issued
for urgent responses.

* Radiological emergency is preemptively issued before radiation has any effect.

Know This

When a radiological emergency is issued

To minimize the effect of an accident, a nuclear licensee shall take emergency measures and, at the same time, immediately inform the Nuclear Safety and Security Commission, local government, etc. of the situation.

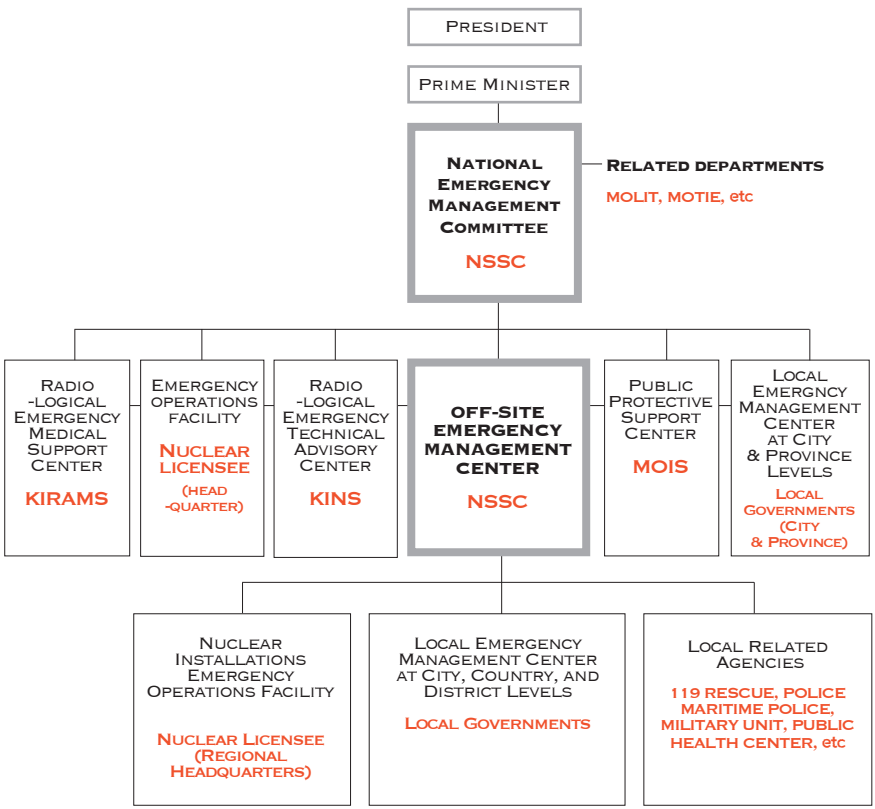
*Information on the emergency is disseminated quickly and accurately.



For resident protection measures and restoration and management of a nuclear power plant accident, the Nuclear Safety and Security Commission cooperates with related departments, local government, and other agencies to respond in a systematic manner.

National radiological emergency preparedness scheme

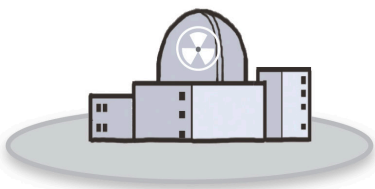
The Nuclear Safety and Security Commission establishes a national comprehensive radiological disaster prevention system to protect residents' lives and properties and the environment from radiological disasters in accordance with the Act on Physical Protection and Radiological Emergency.



Know This

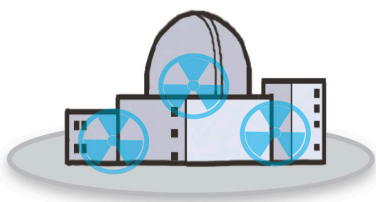
Facility · Site Area · General Emergency

Radiological emergencies in nuclear facilities, etc. are classified into facility emergency, site area emergency, and general emergency based on the seriousness and circumstances of each accident.



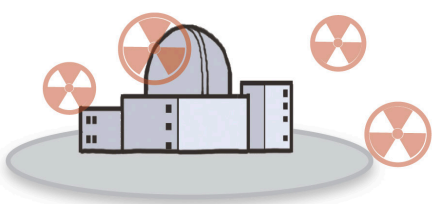
Facility Emergency

Effect of radiation expected to be limited within a nuclear reactor structure



Site Area Emergency

Effect of radiation expected to be limited within a nuclear power plant site



General Emergency

Effect of radiation expected to affect even the area outside a nuclear power plant site



In case of Facility Emergency Actions to take and Responses

Actions to take	Response by national government	Response by local government
• Live as you have while paying attention to official announcements such as disaster broadcasting	• Operate preliminary Off-site Emergency Management Center • Organize disaster situations, spread to related agencies and media	• Operate local emergency management center

In case of Site Area Emergency Actions to take and Responses

Actions to take	Response by national government	Response by local government
• Prepare to evacuate while paying close attention to situations such as development of an accident to a general emergency	• Operate the National Emergency Management Committee • Operate Off-site Emergency Management Center	• Prepare resident protection measures

In case of General Emergency Actions to take and Responses

Actions to take	Response by national government	Response by local government
• Evacuate in an orderly manner by following the instructions of disaster prevention personnel of local governments	• Determine resident protection measures • Take nuclear power plant emergency response measures and control the accident	• Execute resident protection measures

Know This

Radiological emergency is announced this way

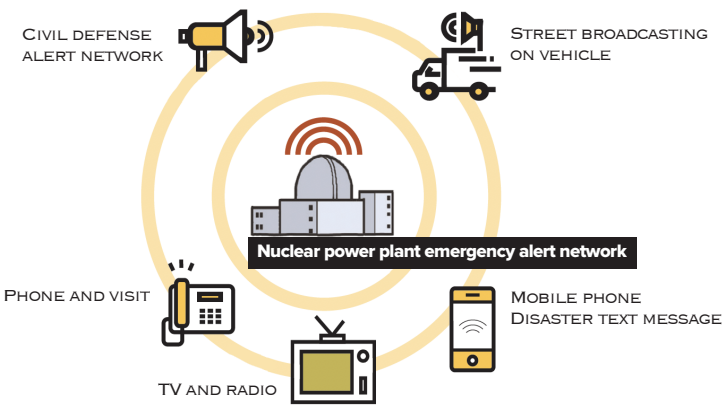
In case of Facility Emergency, it shall be announced through media, etc. by the Nuclear Safety and Security Commission; Site Area or General Emergency shall be announced as follows:

Precautionary Action Zone (3-5km)

| Licensee | Broadcasting of the situation through the licensee's alert network

| Local government | Civil defense alert network, street broadcasting on vehicle, in-person visits, delivery through heads of villages and towns, phone calls

| Government | Send out emergency disaster broadcasts (TV, radio, etc.) and emergency disaster text messages



Urgent Protective Action Planning Zone (20-30km)

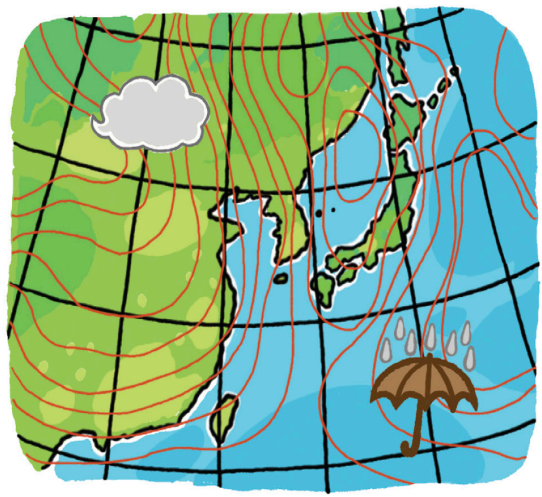
| Local government | Civil defense alert network, street broadcasting on vehicle, in-person visits, delivery through heads of villages and towns, phone calls

| Government | Send out emergency disaster broadcasts (TV, radio, etc.) and emergency disaster text messages

Know This

Remember this when a radiological emergency occurs

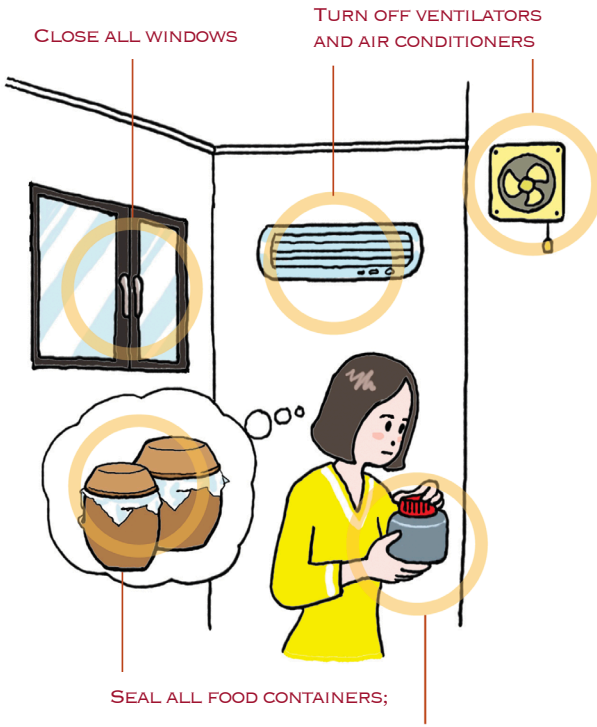
The path of spread of radioactive materials during an accident at a nuclear power plant may change depending on the weather conditions such as direction of the wind.



Therefore, act calmly for safety
while following official announcements.

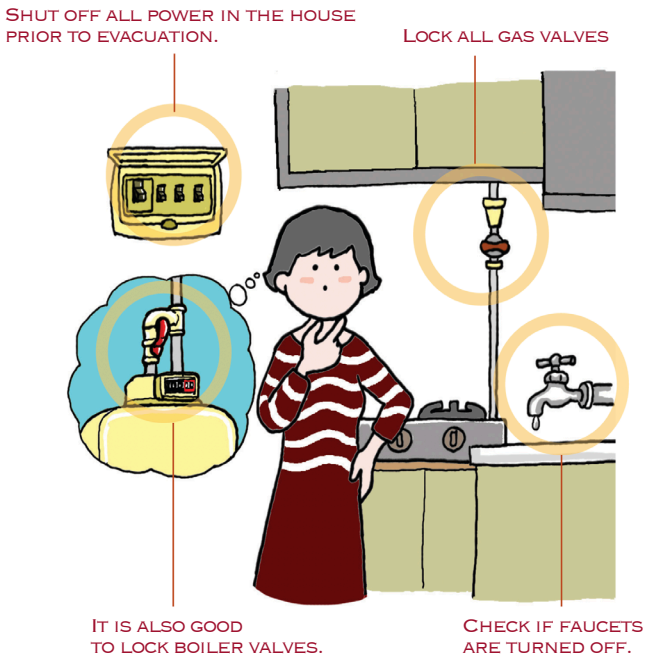
Prepare to evacuate ①

To prevent radioactive contamination,
be sure to prevent outside air
from coming into the house.



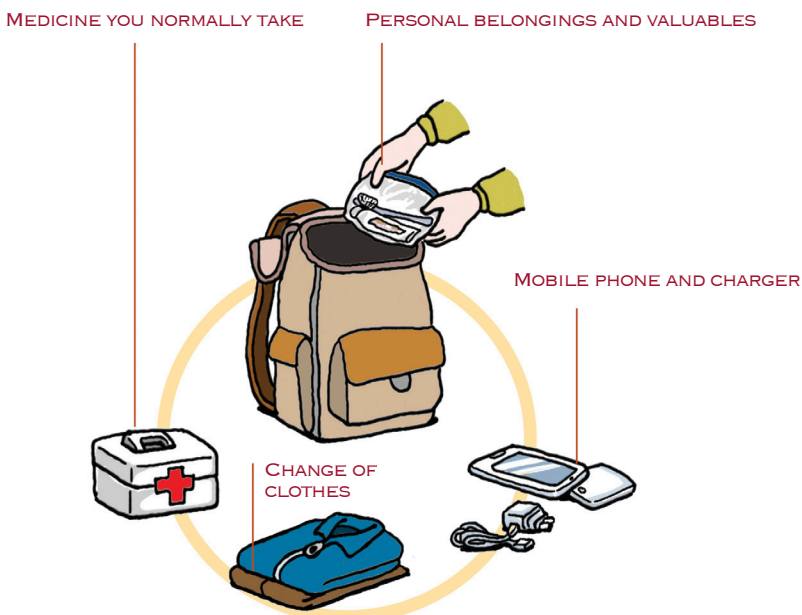
Prepare to evacuate ②

Take measures to prevent fire
or electric shock.



Prepare to evacuate ③

Basic daily necessities such as food, sleeping area, and drinking water are provided by a medical relief station. So, take only the items that you really need including medicine you normally take, change of clothes, and mobile phone.



Act This Way

Prepare to evacuate ④

Prepare enough water and food
for livestock and pets.

Keep pets in the house and prepare enough water and food.

Place all livestock in sheds and close the gates properly.



Once all preparations for evacuation are finished, hang a white flag or towel at the entrance.

Act This Way

Once instructed to evacuate

Move to an assembly area near a village
and use the car provided by a local government to
proceed to a medical relief station
in an orderly manner.

MOVE TO A MEDICAL RELIEF STATION IN AN ORDERLY MANNER
BY FOLLOWING THE INSTRUCTIONS OF
LOCAL GOVERNMENT GUIDE PERSONNEL.

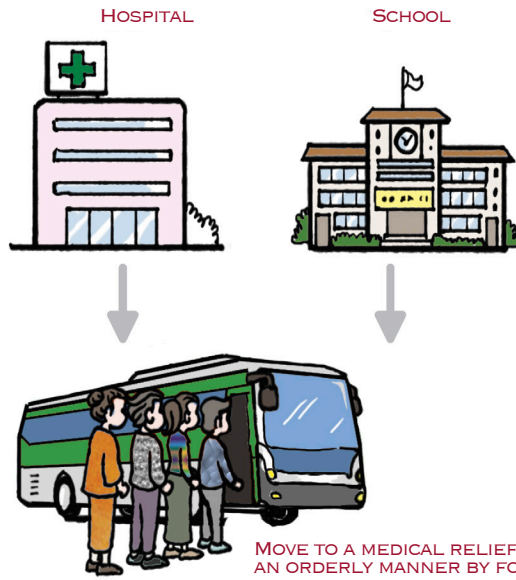


✻ The primary assembly area may change depending on the situation of the region.

Act This Way

Ask about the well-being of family at the medical relief station

From a school, a public agency, or a hospital, move to a medical relief station via the car provided by each agency or local government. You can reunite with your family or check their well-being at a medical relief station without having to search for them yourself.



Move to a medical relief station in an orderly manner by following the instructions of local government guide personnel.

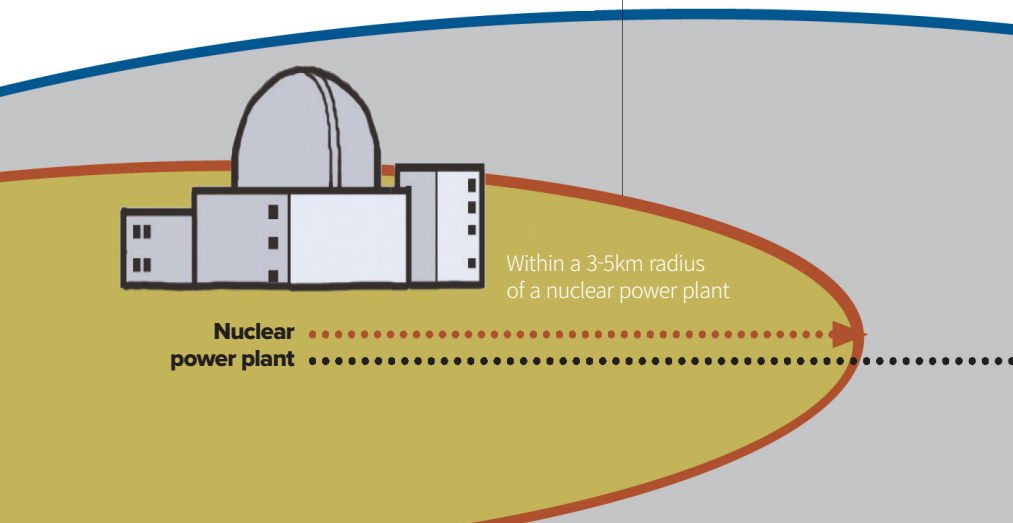
Examine My Area

Emergency Planning Zone

The Emergency Planning Zone is a zone set up for the intensive preparation of measures to protect residents such as evacuation in cases of radiation leak accident in a nuclear facility.

Precautionary Action Zone

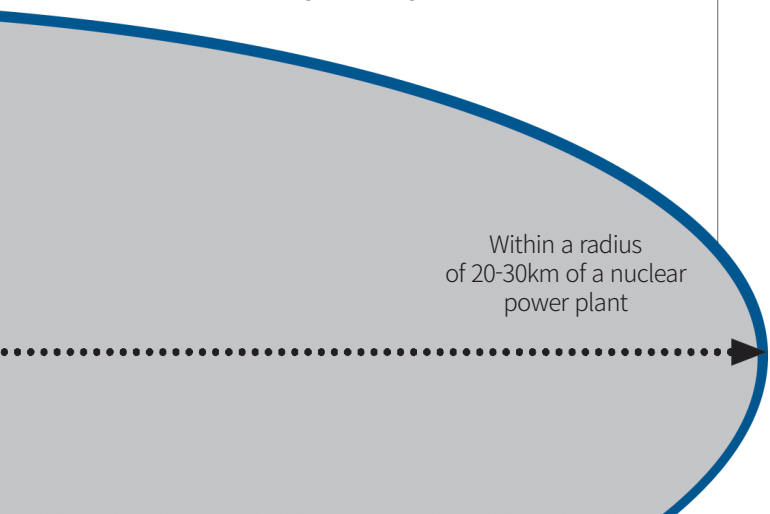
A zone determined to implement precautionary measures to protect residents, such as evacuation, in cases of radiological emergency



Emergency Planning Zone is divided into
"Precautionary Action Zone" and
"Urgent Protective Action Planning Zone"
based on the distance from a nuclear power plant.

Urgent Protective Action Planning Zone

A zone determined to implement urgent measures to protect residents based on the results of radiological impact assessment or environmental monitoring, in cases of radiological emergency



Examine My Area

Kori and Saeul Nuclear Power Plant site Emergency Planning Zone

Precautionary Action Zone 3-5km

Busan	Gijang-gun	Ilgwang-eup (certain parts) Jangan-eup (certain parts)
Ulsan	Ulju-gun	Seosaeng-myeon (certain parts)





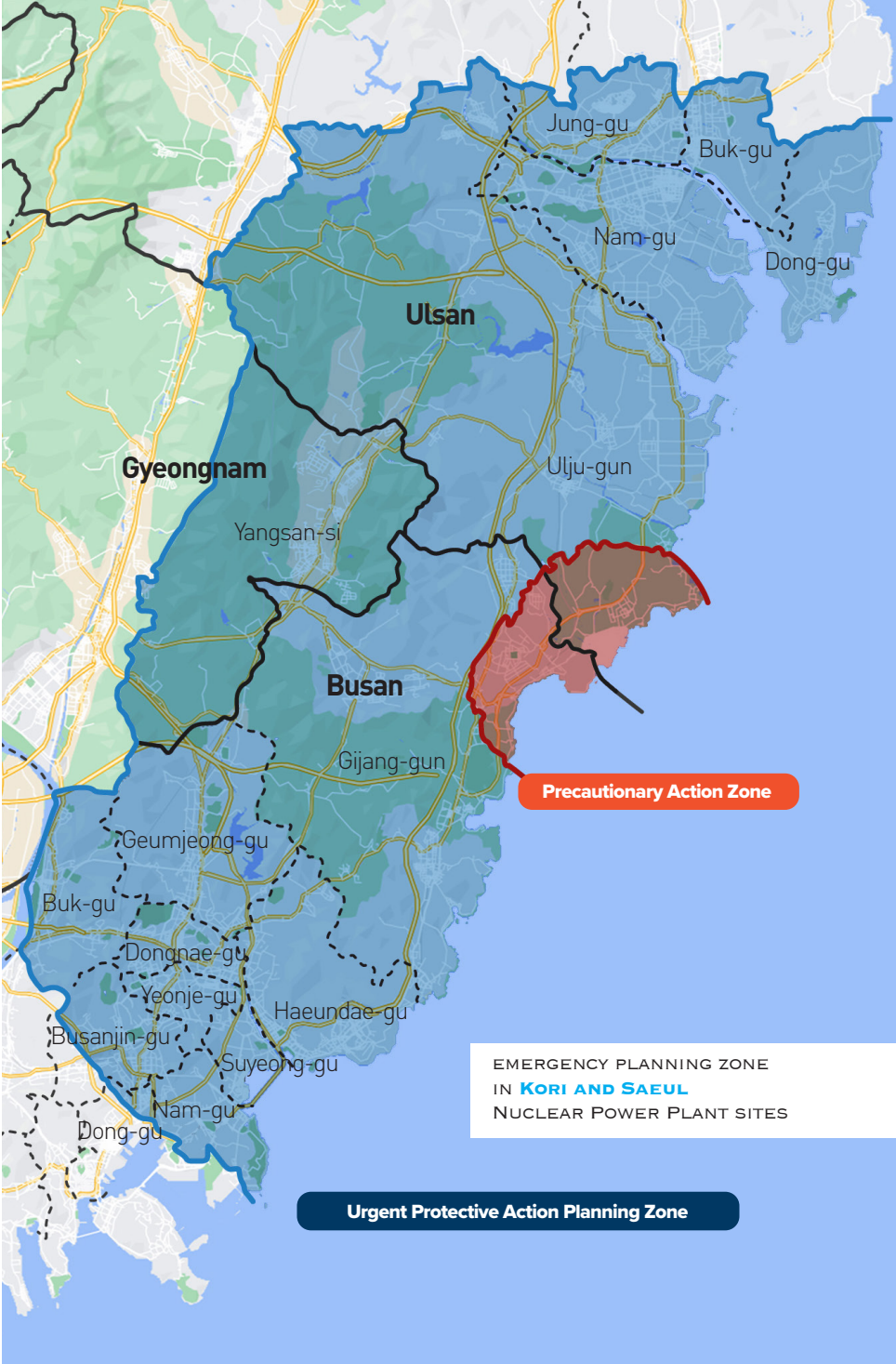
Urgent Protective Action Planning Zone 20-30km

Ulsan	Ulju-gun	Seosaeng-myeon, Onyang-eup, Samdong-myeon, Onsan-eup, Ungchon-myeon, Cheongnyang-eup, Eonyang-eup (certain parts), Beomseo-eup (certain parts)
	Jung-gu	Hakseong-dong, Bangu 1 and 2-dong, Boksan 1 and 2-dong, Seongan-dong, Jungang-dong, Ujeong-dong, Taewha-dong, Daun-dong, Byeongyeong 1 and 2-dong, Yaksa-dong
	Nam-gu	Sinjeong 1,2,3,4, and 5-dong, Dal-dong, Samsan-dong, Mugeo-dong, Ok-dong, Yaeumjangsaengpo-dong, Daehyeon-dong, Suam-dong, Seonam-dong
	Dong-gu	Bangeo-dong, Ilsan-dong, Hwajeong-dong, Daesong-dong, Jeonha 1 and 2-dong, Nammok 1,2, and 3-dong
	Buk-gu	Yangjeong-dong, Yeompo-dong, Hyomun-dong
Gyeong nam	Yang san-si	Seochang-dong, Soju-dong, Pyeongsan-dong, Deokgye-dong, Dong-myeon (certain parts), Sangbuk-myeon (certain parts), Habuk-myeon (certain parts), Samseong-dong (certain parts), Jungang-dong (certain parts)

Urgent Protective Action Planning Zone 20-30km

Busan	Gijang-gun	Ilgwang-eup, Jangan-eup, Gijang-eup, Jeonggwan-eup, Cheolma-myeon
	Haeundae-gu	Songjeong-dong, Jwa 1,2,3, and 4-dong, Jung 1 and 2-dong, U 1,2, and 3-dong, Jaesong 1 and 2-dong, Banyeo 1,2,3, and 4-dong, Bansong 1 and 2-dong
	Geum jeong-gu	Seo 1,2, and 3-dong, Geumsahoedong-dong, Bugok 1,2,3, and 4-dong, Jangjeon 1 and 2-dong, Seondugu-dong, Cheongnyongnopo-dong, Namsan-dong, Guseo 1 and 2-dong, Geumseong-dong
	Yeonje-gu	Geoje 1,2,3, and 4-dong, Yeonsan 1,2,3,4,5,6,7,8, and 9-dong
	Suyeong-gu	Namcheon 1 and 2-dong, Mangmi 1 and 2-dong, Gwangan 1,2,3, and 4-dong, Suyeong-dong, Millak-dong
	Dongnae-gu	Sumin-dong, Boksan-dong, Myeongnyun-dong, Oncheon 1,2, and 3-dong, Sajik 1,2, and 3-dong, Allak 1 and 2-dong, Myeongjang 1 and 2-dong
	Nam-gu	Daeyeon 1,3,4,5, and 6-dong, Munhyeon 1,2,3, and 4-dong, Uam-dong, Gamman 1-dong (certain parts), Gamman 2-dong, Yongho 1,2,3, and 4-dong, Yongdang-dong (certain parts)
	Dong-gu	Jwacheon-dong (certain parts), Beomil 1-dong (certain parts), Beomil 2-dong, Beomil 5-dong (certain parts)
	Busanjin-gu	Yangjeong 1 and 2-dong, Yeonji-dong, Choeup-dong, Buam 1 and 3-dong, Danggam 1,2, and 4-dong, Bujeon 1 and 2-dong, Beomcheon 1 and 2-dong, Jeonpo 1 and 2-dong, Gaya 1 and 2-dong (certain parts), Gaegeum 3-dong (certain parts)
	Buk-gu	Geumgok-dong, Hwamyeong 1,2, and 3-dong, Deokcheon 1,2, and 3-dong, Mandeok 1,2, and 3-dong, Gupo 1-dong, Gupo 2-dong (certain parts), Gupo 3-dong





EMERGENCY PLANNING ZONE
IN **KORI AND SAEUL**
NUCLEAR POWER PLANT SITES

Examine My Area

Wolseong Nuclear Power Plant site Emergency Planning Zone

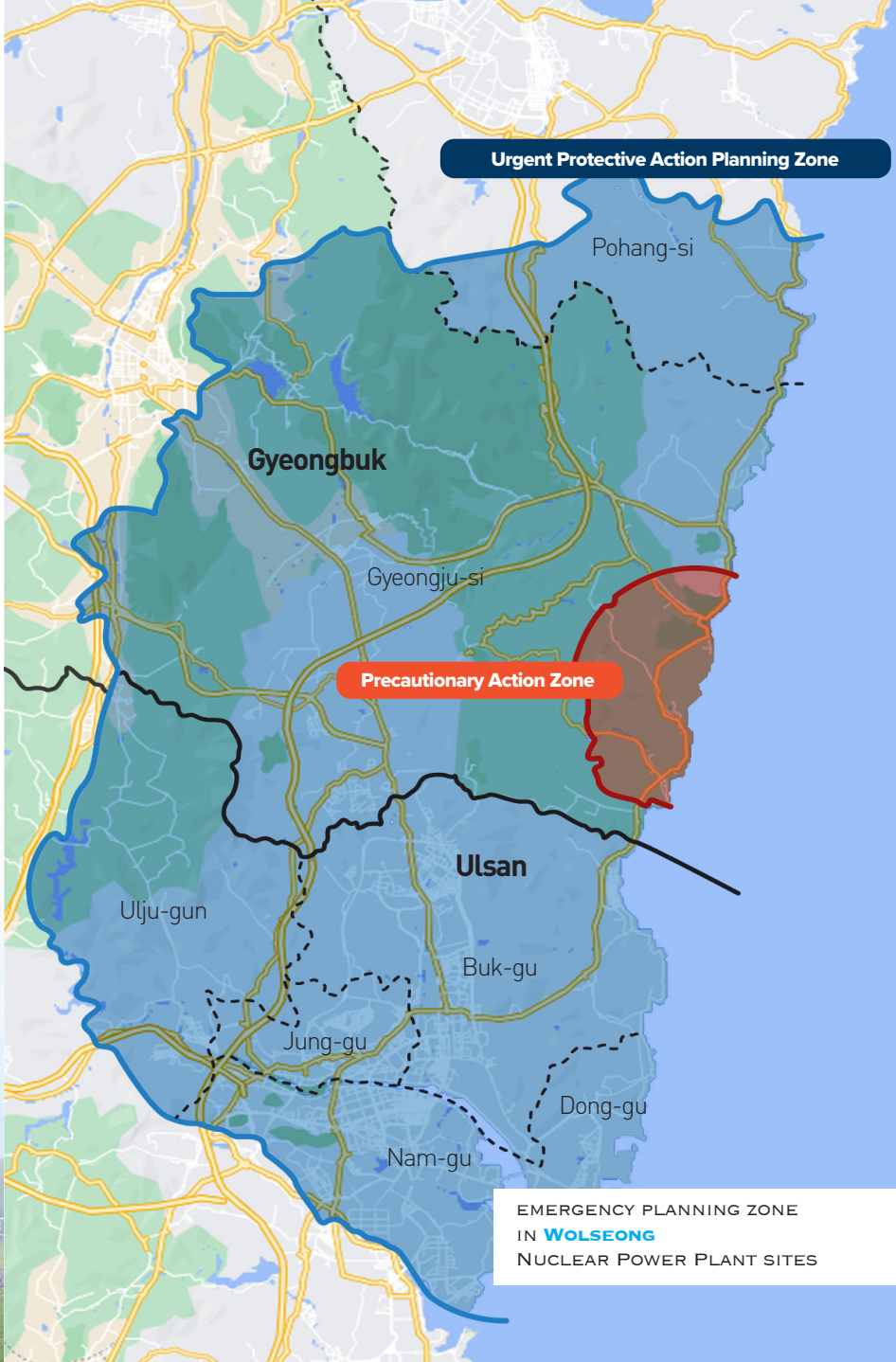
Precautionary Action Zone 3-5km

Gyeong buk	Gyeongju-si	Munmudaewang-myeon (certain parts), Yangnam-myeon (certain parts), Gampo-eup (certain parts)

Urgent Protective Action Planning Zone 20-30km

Gyeong buk	Pohang-si	Ocheon-eup (certain parts), Janggi-myeon (certain parts)
	Gyeongju-si	Gampo-eup, Oedong-eup, Munmudaewang-myeon, Yangnam-myeon, Bulguk-dong, Bodeok-dong, Cheonbuk-myeon (certain parts), Wolseong-dong (certain parts), Naenam-myeon (certain parts)
Ulsan	Jung-gu	Hakseong-dong, Bangu 1 and 2-dong, Boksan 1 and 2-dong, Seongan-dong, Jungang-dong, Ujeong-dong, Taewha-dong, Daun-dong, Byeongyeong 1 and 2-dong, Yaksa-dong
	Nam-gu	Sinjeong 1,2,3,4, and 5-dong, Dal-dong, Samsan-dong, Mugeo-dong, Ok-dong, Yaeumjangsaengpo-dong, Daehyeon-dong, Suam-dong, Seonam-dong
	Dong-gu	Bangeo-dong, Ilsan-dong, Hwajeong-dong, Daesong-dong, Jeonha 1 and 2-dong, Nammok 1,2, and 3-dong
	Buk-gu	Nongso 1,2, and 3-dong, Gangdong-dong, Hyomun-dong, Songjeong-dong, Yangjeong-dong, Yeompo-dong
	Ulju-gun	Eonyang-eup (certain parts), Beomseo-eup(certain parts), Dudong-myeon(certain parts)





EMERGENCY PLANNING ZONE
IN **WOLSEONG**
NUCLEAR POWER PLANT SITES

Examine My Area

Hanul Nuclear Power Plant site Emergency Planning Zone

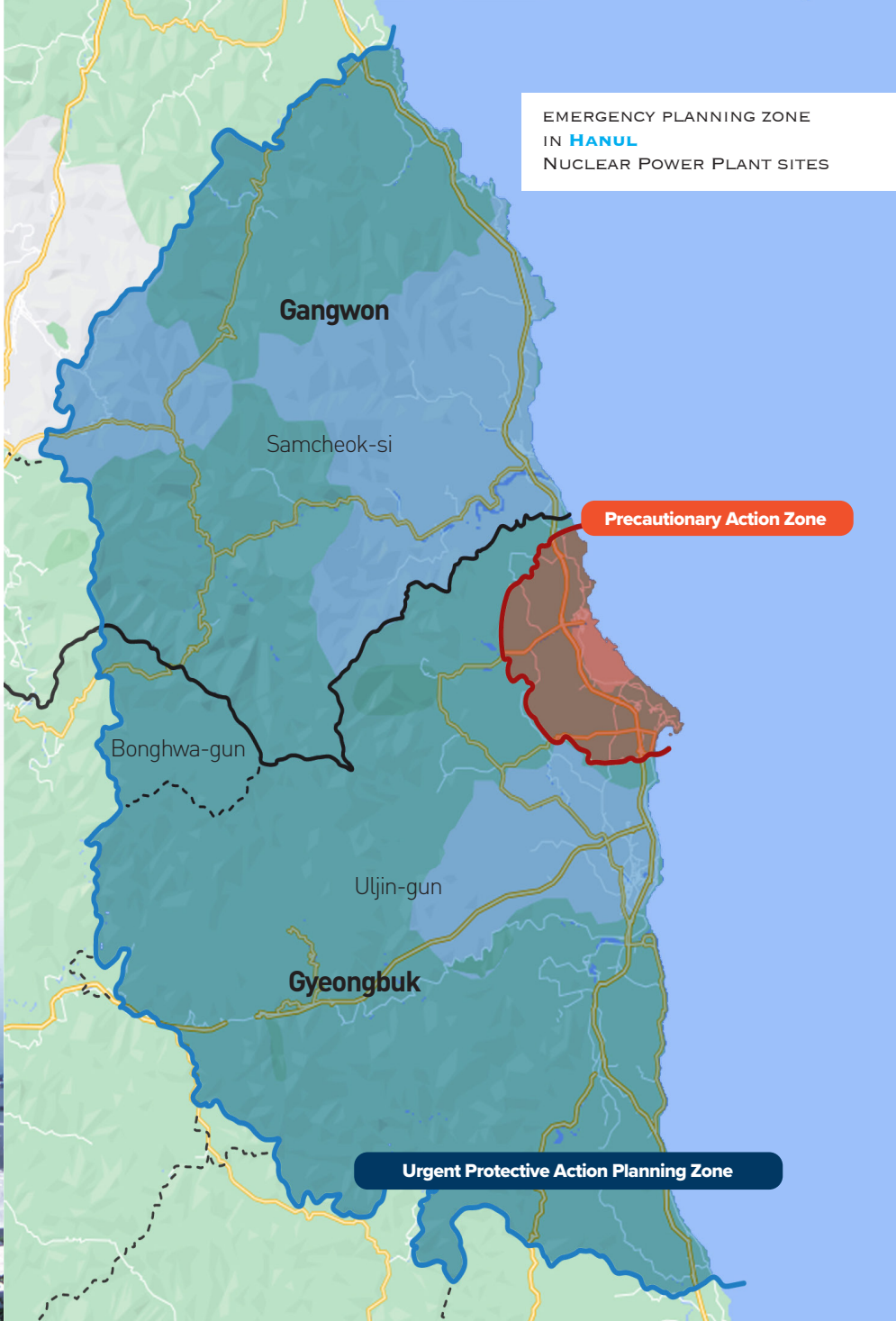
Precautionary Action Zone 3-5km

Gyeongbuk	Uljin-gun	Buk-myeon (certain parts) Jukbyeon-myeon (certain parts)

Urgent Protective Action Planning Zone 20-30km

Gyeongbuk	Uljin-gun	Buk-myeon, Jukbyeon-myeon, Uljin-eup, Geunnam-myeon, Geumgangsong-myeon (certain parts), Maehwa-myeon (certain parts), Giseong-myeon (certain parts)
	Bonghwa-gun	Seokpo-myeon (certain parts)
Gangwon	Samcheok-si	Wondeok-eup, Gagok-myeon, Dogye-eup (certain parts), Geundeok-myeon (certain parts), Nogok-myeon (certain parts)




EMERGENCY PLANNING ZONE
IN HANUL
NUCLEAR POWER PLANT SITES
Gangwon
Samcheok-si
Precautionary Action Zone
Bonghwa-gun
Uljin-gun
Gyeongbuk
Urgent Protective Action Planning Zone

Examine My Area

Hanbit Nuclear Power Plant site Emergency Planning Zone

Precautionary Action Zone 3-5km

Jeonbuk	Gochang-gun	Sangha-myeon (certain parts)
Jeonnam	Yeonggwang-gun	Hongnong-eup (certain parts), Beopseong-myeon (certain parts)

Urgent Protective Action Planning Zone 20-30km

Jeonbuk	Gochang-gun	Gosu-myeon, Asan-myeon, Mujang-myeon, Gongeum-myeon, Sangha-myeon, Haeri-myeon, Seongsong-myeon, Daesan-myeon, Simwon-myeon, Buan-myeon, Gochang-eup (certain parts), Heungdeok-myeon (certain parts), Sillim-myeon (certain parts)
	Buan-gun	Jinseo-myeon, Boan-myeon (certain parts), Byeonsan-myeon(certain parts), Julpo-myeon (certain parts), Wido-myeon (certain parts)
Jeonnam	Yeonggwang-gun	Hongnong-eup, Yeonggwang-eup, Baeksu-eup, Daema-myeon, Myoryang-myeon, Bulgap-myeon, Gunseo-myeon, Gunnam-myeon, Yeomsan-myeon, Beopseong-myeon Nagwol-myeon (certain parts)
	Muan-gun	Haeje-myeon (certain parts)
	Jangseong-gun	Samseo-myeon (certain parts), Samgye-myeon (certain parts), Donghwa-myeon (certain parts), Hwangnyong-myeon (certain parts)
	Hampyeong-gun	Sonbul-myeon (certain parts), Singwang-myeon (certain parts), Haebo-myeon (certain parts), Worya-myeon (certain parts)




Urgent Protective Action Planning Zone
Buan-gun
EMERGENCY PLANNING ZONE
IN HANBIT
NUCLEAR POWER PLANT SITES
Jeonbuk
Gochang-gun
Precautionary Action Zone
Jeonnam
Jangseong-gun
Yeonggwang-gun
Muan-gun
Hampyeong-gun

2023

Radiological emergency

National radiological emergency preparedness scheme

Facility emergency + Site area emergency + General Emergency

Radiological emergency is announced this way

Emergency Planning Zone

Emergency Planning Zone by region

Action guideline in case of radiological emergency

Nuclear Safety and Security Commission

Address 3, Sowol-ro (11th-13th floor), Jung-gu, Seoul
Phone +82-2-397-7300 Fax +82-2-6273-7803
Website www.nssc.go.kr Blog https://blog.naver.com/prnssc
YouTube https://www.youtube.com/user/nssckorea
Twitter https://twitter.com/NSSCkorea
Instagram https://www.instagram.com/nssckorea