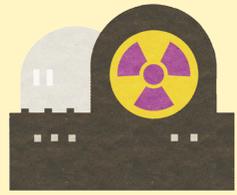


# **Protective Actions Guidelines for Nuclear Emergency**

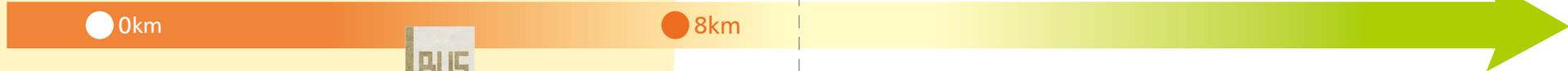


**Nuclear Safety Commission**



Nuclear Power Plant

Emergency Planning Zone(EPZ)



Host School



Assembly Point



Residence



Reception School



Reception Centers

Contents

- Emergency Notification 4
- Shelter In House 6
- Take Iodine Tablets 10
- Evacuation Order 12
- Schools Evacuation 16
- Area Map 18
- Actions Guidances During Nuclear Emergency 24
- Radiation Protection 26
- Whom Should I Ask If I Have Qusetions? 30
- My Family Evacuation Plan 31
- Contacts 32



Nuclear Safety Commission provides leaflets of "What to Do in a Nuclear Emergency" in different languages, please feel free to visit our website ([www.nusc.gov.tw](http://www.nusc.gov.tw)).

Emergency Response To Nuclear Accident Protective Actions For The General Public



Shelter in House



Take Iodine Tablets



Evacuation

# Emergency Notification

The government will notify people through all kinds of media outlets.



Radio



Mobile Broadcast



Text Message



Internet



TV Media



Village Broadcast



## Emergency Siren



★ Please check the Nuclear Safety Commission APP for more information of the alarm!

### Issue An Alert:

Ring Stop Broadcasts

1s	1s	• • •	In Mandarin, Taiwanese and English	1s	1s	• • •	In Mandarin, Taiwanese and English
Alarm Repeat 25 times, lasting for 50 seconds			about 40 seconds	Alarm Repeat 25 times, lasting for 50 seconds			about 40 seconds

### End of An Alert:

Ring Stop Broadcasts

1 prolonged sound	In Mandarin, Taiwanese and English	1 prolonged sound	In Mandarin, Taiwanese and English
50-second Alarm	about 25 seconds	50-second Alarm	about 25 seconds

## Shelter In House (outdoors)



Quickly go inside a nearby building and pay close attention to the latest information.



Roll up windows of the vehicle.  
Shut off outside ventilation of the air conditioner.  
Turn on radio or use cellphone to get the latest information.  
Go home and stay inside, or leave the affected area immediately.

# Shelter In House (In Home)



Close all doors and windows and paste the sign reading "I am instructed to Shelter In House" on doors or windows.

100%



>80%  
OFF

Reinforced concrete structures can attenuate over 80% of radiation.



Shut off outside ventilation of the air conditioning facilities.

Wash your hands and face immediately after entering your house.

Put food and water in sealed containers and store them tightly.

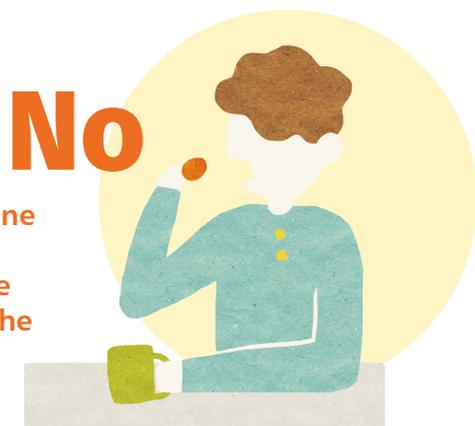
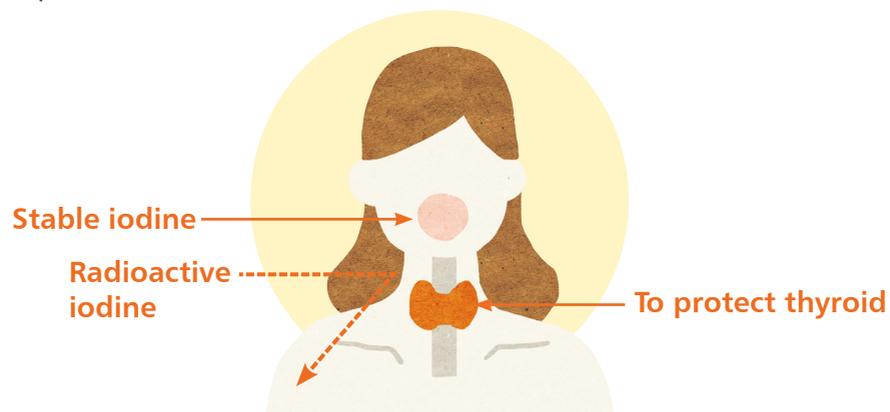
Turn on television, radio or use cellphone to get the latest information.

# Take Iodine Tablets

**The timing of taking iodine tablets:  
Only on the advice of the authorities**

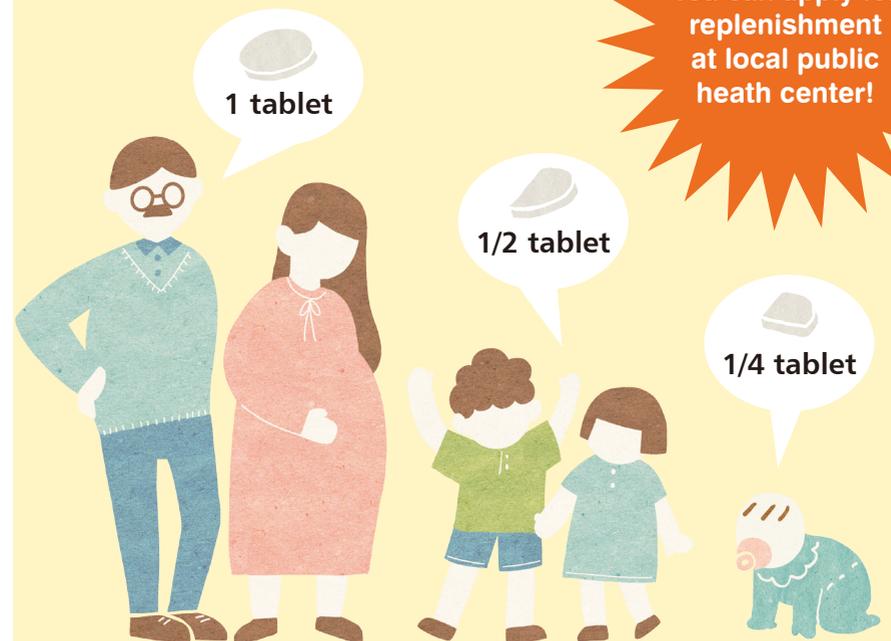
**The purpose of taking iodine tablets:**

For the body to absorb the stable iodine in advance, lest the radioactive iodine should accumulate inside, so that the thyroid is protected.



**Do not take iodine tablets on your own without the instructions of the authorities.**

**Dosage: (1 tablet 130mg)**



**Adults and pregnant women**

Adults over 40 years are not suggested to take iodine.

**Children aged 3-12 years old**

**Children under 3 years old**

**Pay attention to the following when taking iodine tablets:**

1. Anyone who is allergic to iodine should not take it.
2. Newborn and pregnant women should consult doctor before taking iodine tablets.
3. Iodine tablets can be grinded into powder and mixed with orange juice, sugar water or jam for administration to children.
4. Do not take iodine tablets for over 10 consecutive days. Please read the instructions in the package or consult a doctor on how to take iodine tablets.

# Evacuation Order

Follow the latest instructions of government and prepare calmly for evacuation.



Please paste a sign reading "I need help" on windows or doors if there are physically disabled individuals needing help. The government will come and provide assistances.



## Before Leaving Your House



Turn Off Natural Gas



Unplug All Appliances



Lock All The doors



You may leave by your own car.



Assembly Points or Nearby Bus Stops



Contamination Screening Station

- / Contamination Detection and Decontamination of People and Vehicles.
- / Registration and Management.
- / First Aid.



Reception Centers, Relatives or Friends' House and Hotels



Secure measures to contact family members in emergency during nonemergency times.

## Have You Prepared Your Disaster Supply Kit?

Always keep a supply kit for nuclear emergency. The following items are suggested to go with you.

**Be Sure to Bring It!!**

### Valuable Items

Passbook, stamp, cash, important identity certification, etc

### Medications

**Iodine tablets**, Frequently-used prescription drugs, first aid kit, etc

### Personal Items

Hearing aids, dentures, glasses for presbyopia, cellphone, charger, item for personal hygiene, etc

### Protective Actions Guidelines for Nuclear Emergency



**Keep the disaster supply kit within easy reach at home, and the items can be checked and updated at any time.**



**You can bring it with you if needed!!**

### Food

Drinking water, instant noodles, canned food, cookies, chocolate, etc

### Electronic Devices

Flashlight, radio, batteries, etc

### Clothes

Undergarments, sweater, jacket, coat, small blanket, etc

### Outdoor Equipment

Surgical mask, whistle, sanitary pad, raincoat, shoes, etc

### Baby Items

Infants formula, bottles, diapers, etc



# Schools Evacuation

## What should students do at school?

### Students at school:

The local government has to suspend classes while at the state of Alert.

### Parents:

Parents can pick up their children from school and evacuate with their families after the government orders an evacuation.

**Additional information** The government has planned educational rehabilitation for evacuated students to continue their studies.



For more information about host schools, Contamination Screening Stations and Reception Centers, please check out the Nuclear Safety Commission APP.

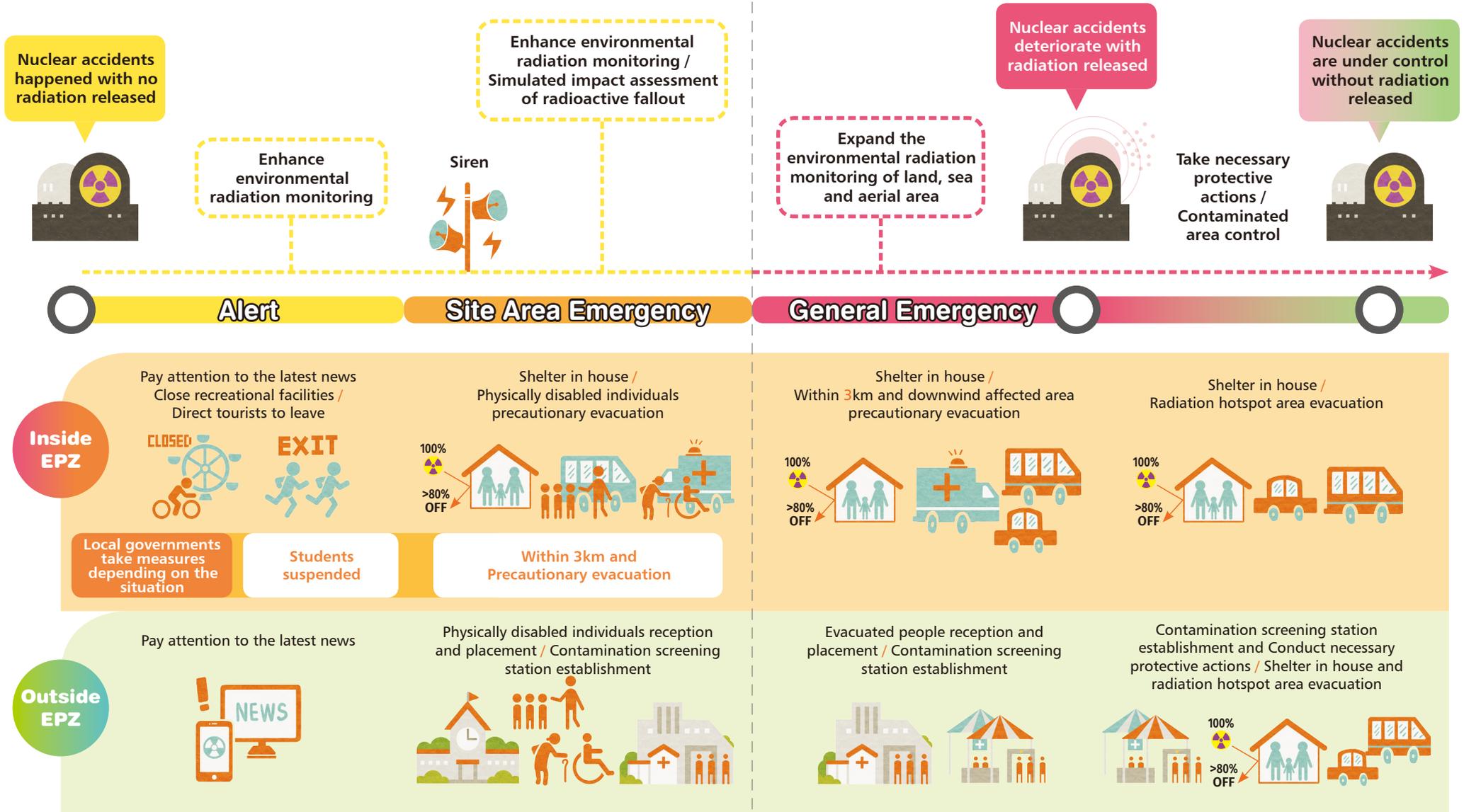








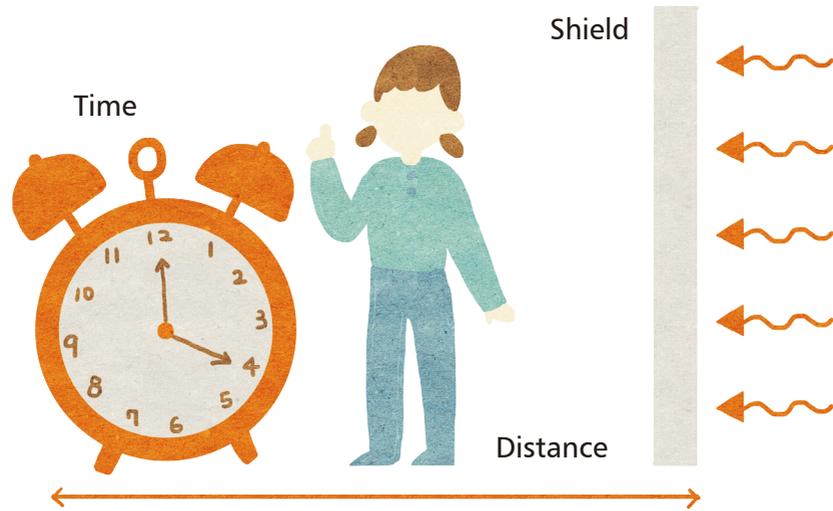
# Actions Guidances During Nuclear Emergency



A nuclear accident can be divided into different phases. Taiwan government adopts a strategy of **Advance Dispatching**, and carries out a precautionary evacuation under different phases of nuclear accident.

## Radiation Protection-External Exposure

# TSD Principle



## Shortening the Time (T)

Shortening the time of exposing to radiation is the primary principle of radiation protection.



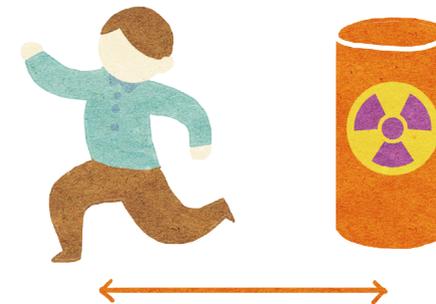
## Appropriate Shield (S)

Shield can attenuate radiation, thus lowering the impact of health. Examples include going indoors and closing doors and windows.



## Increasing the Distance (D)

Keep away from the source of radiation. The intensity of radiation is inversely proportional to the square of the distance from the source. That is, the intensity of radiation will decline to 1/4 if you double the distance between you and the source. Examples include leaving the affected area.

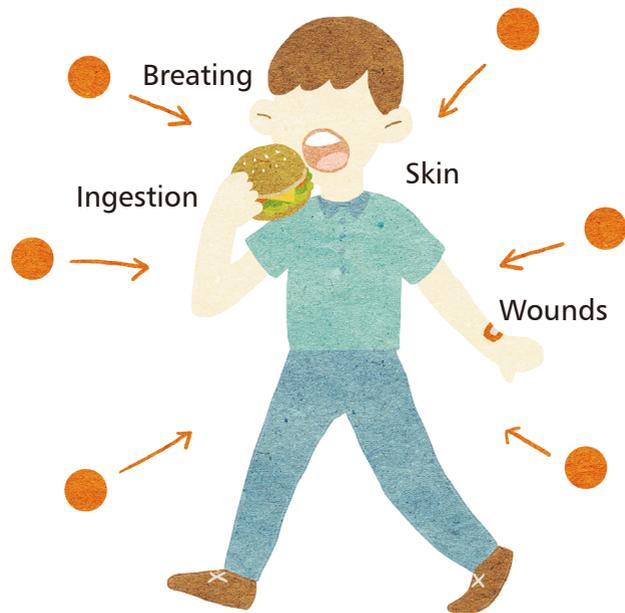


# Radiation Protection

## Radiation Protection-Internal Exposure

### Obstruction:

Shortening the time exposing to radiation and refraining from eating or staying in affected-areas can help prevent radioactive materials from entering your body via breathing, ingestion, skin or wounds.



### Metabolism:

If radioactive materials have entered your body, drink more water to increase your metabolism and seek help from a doctor.



### Decontamination:

Decontamination can effectively lower the amount of radioactive materials taken in or breathed in, such as washing your hands and face, or changing clothes.



# Whom Should I Ask If I Have Questions?

The better the preparation,  
the more effective the protection!

Nuclear Safety Duty Center  
**0800-088-928**

\_\_\_\_\_ City / County Disaster Response Center:

\_\_\_\_\_

\_\_\_\_\_ Township / District Office:

\_\_\_\_\_

\_\_\_\_\_ Fire Brigade:

\_\_\_\_\_

\_\_\_\_\_ Police Station:

\_\_\_\_\_

\_\_\_\_\_ Village Office:

\_\_\_\_\_

\_\_\_\_\_ School(Currently Study At):

\_\_\_\_\_

# My Family Evacuation Plan

We live in

Village

Address \_\_\_\_\_

- Within 3 kilometers away from nuclear power plant
- Within 3-8 kilometers away from nuclear power plant

★ Check out the APP for more information on distance to nuclear power plants and refer to pages 24-25 for preventive actions.



Nuclear Safety Commission APP



National Fire Agency APP

Assembly point for evacuation bus is

\_\_\_\_\_

The nearest Contamination Screening Station is

\_\_\_\_\_

The designated reception center is

\_\_\_\_\_

The host school is

\_\_\_\_\_

# Contacts

## Family Members:

appellation	name	Tel

## Contact Information of Family and Friends:

	Tel
	Tel