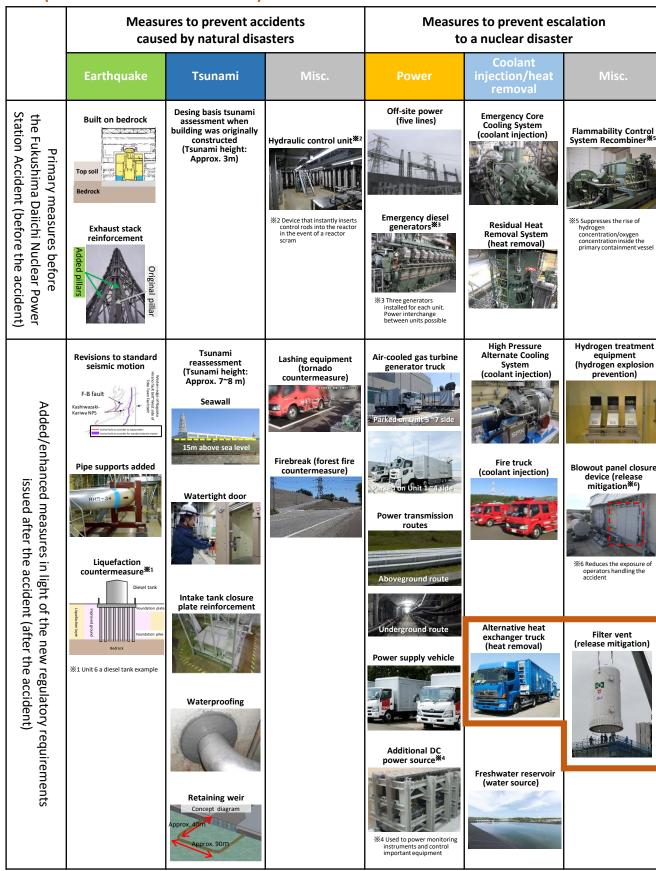
# Safety Measures at the Kashiwazaki-Kariwa Nuclear Power Station\*

## 1. Examples of redundant and diversified safety measures

(Before and after the accident)



### 2. PCV cooling

Preparing for increases in PCV temperature and pressure

# Alternative coolant circulation system Residual heat removal system pump Waste treatment building **Newly installed pipes** Gas turbine generator truck/ power supply vehicle

The release (venting) of radioactive substances can be avoided for approximately

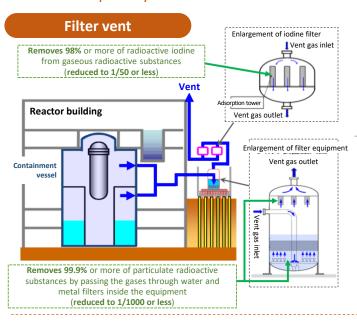
X In the case of Units 6 and 7

## 10 days

- Short-period external release of radioactive substances and PCV rupture can be avoided
- Repairs can be made in the interim

## 3. Mitigating the release of radioactive substances

Preparing for increases in the concentration of flammable gases (hydrogen, oxygen) inside the primary containment vessel if all else fails



#### **Maximum amount**

of radioactive substances removed mitigating release into the atmosphere

- Removes 99.9% or more of particulate radioactive substances (Reduced to 1/1000 or less)
- Removes 98% or more of gaseous radioactive iodine (Reduced to 1/50 or less)

**Preparing for leaks of radioactive substances** from buildings

#### Large capacity water discharge equipment



Large capacity pump truck

Use large amounts of water to force radioactive substances to the ground

