

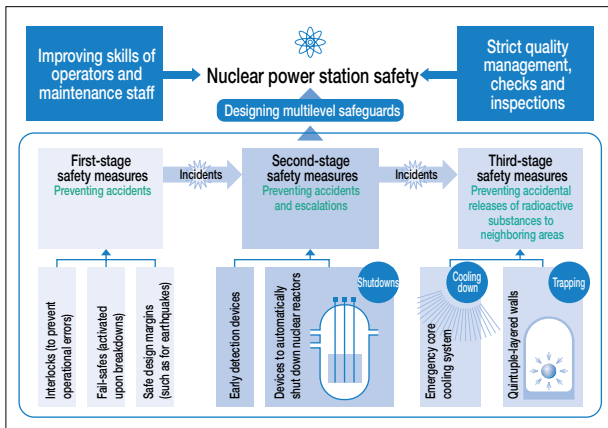
Maintaining Our Safety-First Principle

The top priority in all our business activities is to ensure safety for society and employees by constantly endeavoring to improve our facilities and technologies.

Ensuring Nuclear Power Safety

Nuclear Power Station Safety Framework

We maintain multilevel safety measures to prevent nuclear power station accidents, such as accidental releases of radioactive substances.



Results of Seismic Assessments at Nuclear Power Stations

We implemented assessments based on new aseismic guidelines in keeping with a September 2006 revision of the Regulatory Guide for Reviewing Seismic Design of Nuclear Power Reactor Facilities.

We also systematically evaluated seismic safety at existing nuclear power stations in light of knowledge we gained as a result of the Chuetsu-oki Earthquake in Niigata Prefecture.

We thus confirmed the seismic safety of our facilities and submitted a final report to the Ministry of Economy, Trade and Industry.

A government committee or organization will verify the report.

Report Outline

1. We implemented geological surveys. Based on the assessment methods of the new earthquake guidelines and knowledge gained from the latest literature, we evaluated active faults that we need to consider for aseismic design.
2. Based on assessments in the new earthquake guidelines and knowledge gained from the Chuetsu-oki Earthquake in Niigata Prefecture, we laid down a standard ground motion Ss (for a peak ground acceleration of 540 Gal for both the Genkai and Sendai nuclear power stations).
3. We confirmed the aseismic safety of critical buildings and structures, equipment, and piping systems at the Genkai and Sendai nuclear power stations after factoring in the new earthquake guidelines and other considerations.

Maintaining Nuclear Power Facilities

Inspecting and Repairing Facilities in Line with Maintenance Management Rules

To ensure the safety and reliability of our nuclear power stations, we maintain and manage facilities and equipment in keeping with statutory and private-sector inspection and repair standards.



Regular inspection

Managing Environmental Radiation

We constantly monitor radiation levels outside our nuclear power stations and disclose real-time data on our Japanese website. We regularly measure the radioactivity of samples of soil, seawater and agricultural and marine products. We have found no environmental effect from our facilities.

The annual dosage to people living around our nuclear power stations is less than 0.001 mSv. This is well below the legal maximum of 1 mSv per year and the Nuclear Safety Commission's target of 0.05 mSv annually.

▼ Website disclosing dosage data (image shows the layout at Genkai Nuclear Power Station)





Please explain your initiatives to ensure the safety of nuclear power stations.

At our nuclear power stations, we undertake safety measures based on the concept of multiple protection and are developing emergency disaster preparedness initiatives.



Preventing Nuclear Disasters

● Firefighting Preparedness

We maintain 10-person firefighting units at our nuclear power stations. Five of those firefighters are on duty around-the-clock, with another five ready to participate in any emergency work. Each facility has a chemical fire engine and a water truck with a portable motor pump.

Nuclear Disaster Drills

Our nuclear power stations maintain rigorous safety measures to respond swiftly to disasters. As part of ongoing efforts to ensure preparedness, we maintain contingency response plans with national and local government bodies in line with the Special Law of Emergency Preparedness for Nuclear Disasters and the Disaster Countermeasures Basic Act.

We participate in annual nuclear disaster drills in Saga and Kagoshima prefectures. We conduct drills for issuing bulletins and for monitoring the environment during emergencies.



Maintaining Occupational Safety and Health

Eliminating Occupational Accidents

While upholding our safety-first principle and striving to eradicate accidents resulting in death or serious injury or harming customers, we are reviewing our safety promotion and management systems and are deploying Worker Health and Safety management systems.

We have reinforced educational and training programs with training that includes virtual exposure to dangers to improve worker attitudes and behavior and thereby prevent accidents caused by human error. We rigorously implement such practices as risk prediction and use pointing and calling to avoid mistakes.

Ensuring Mental and Physical Well-Being and Comfort

We create workplaces that minimize fatigue and stress, and maintain numerous programs to safeguard employees, complementing traditional measures for disease prevention. The programs include helping employees build healthy bodies, notably by providing health guidance and offering mental health care. We also deploy initiatives to prevent illness from overwork, prevent eyesight damage from visual display terminal usage and shield against passive smoking.

▼ Number of Occupational Accidents by Category

	FY2005	FY2006	FY2007	FY2008	FY2009
Electric shocks	1	1	2	2	4
Traffic accidents	10	7	12	5	9
Falls	2	0	0	0	0
Others	19	16	29	17	23
Totals	32	24	43	24	36

Note: The Others category includes falls from failing to check footing and mishandling of tools.

Overview of Mental Health Initiatives

Level 1 Prevention	<ul style="list-style-type: none"> Educate and enlighten (instruct on recognizing and addressing stress, and identifying and assisting others under stress) Measure occupational stress and build frameworks to improve working environments
Level 2 Early detection, and response and alleviation	<ul style="list-style-type: none"> Create a climate in which employees can identify when they experience stress (through interviews to assess health and simple occupational stress diagnoses) Make it easy for employees to seek help (through occupational therapists, mental health medical counselors and external consultancies) Encourage health nurses and industrial doctors to follow up with sufferers of stress to quickly identify and treat their problems
Level 3 Helping employees to return to work	<ul style="list-style-type: none"> Provide support during treatment (liaise with doctor in charge, families and supervisors and regularly communicate with sufferers) Assist employees when they return to work (initially shortening working hours, then prohibiting overtime and business trips) Provide work site support (liaise with supervisors and follow up with industrial physicians and health nurses)

Preventing Electric Shocks in Public

We hold three publicity campaigns annually to help reduce the number of electric shock incidents. During Power Safety Month, we highlight this issue to engineering and construction firms, crane companies, educational institutions, municipalities and other organizations, and conduct public relations campaigns and solicit cooperation.

We install reminder signs at river intersections and other key locations to prevent electric shocks from cranes and other heavy machinery or fishing rods touching power lines.

▼ Number of Public Electric Shock Incidents

	FY2005	FY2006	FY2007	FY2008	FY2009
Number	2	0	1	0	0

