

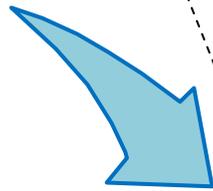
Additional Safety Measures based on New Regulatory Requirements

【Previous Regulatory Requirements】 【New Regulatory Requirements】 <Additional Measures to be Implemented①～⑮> (Numbers shown are item numbers in Additional Materials 1)

Seismic/tsunami resistance
Consideration of natural phenomena
Fire protection
Reliability of power supply
Function of other SSCs*1

*1 SSC: Structure, Systems and Components

Newly introduced/Reinforced



【Design basis】

Seismic/tsunami resistance
Consideration of natural phenomena (Specification of, volcanic eruptions, tornados, and forest fires)
Fire protection
Consideration of internal flooding
Reliability of power supply
Function of other SSCs*1

① Earthquake countermeasures	Work to improve supports for pipes and electric circuits, work to reinforce ground around Unit 4 water intake pond, work to reinforce ground around tsunami protection wall Etc.
Tsunami-resistance measures	(Construction of tsunami protection wall (T.P.+22m), flooding resistance measures for areas other than water intake pond Etc.)
② Tornado resistance measures	Measures to protect seawater pumps and associated pipes from flying objects Etc.
③ Fire resistance measures	Measures to prevent spread of leaks from equipment containing oil, installation of fire detectors and additional automatic firefighting equipment, and additional installation of fireproof walls Etc.
④ Flooding resistance measures	New measures to prevent inundation of water via passages through equipment rooms, fitting of waterproof covers Etc.
Power supply to safety equipment	(Enhancement of reliability of external power sources (Power supply via three systems/six circuits Etc.))
⑤ Enhancement of reliability of static equipment	Ensuring availability of back-up filters for stand-by gas treatment system (Unit 4) and main control room air-conditioning and ventilation system
⑮ Other measures	Installation of the infrared camera for grasping an outdoor situation Etc.

Accident management measures (Autonomous Chubu Electric Power measures)

【Severe accident standards】

Measures to prevent core damage (postulate multiple failures)
Measures to prevent containment vessel failure
Measures to suppress radioactive materials dispersion
Response to intentional aircraft crashes (specialized safety facility,*2 etc.)

⑦ Reinforced water injection functions	Positioning of additional mobile water injection pumps, etc. Etc.
⑧ Reinforced depressurization functions	Positioning of mobile air compressors for operation of main steam release safety relief valves Etc.
⑨ Reinforced guarantee of power supply	Positioning of AC generator trucks and DC generator trucks Etc.
⑩ Measures to respond to hydrogen via filter vent equipment	Positioning of mobile nitrogen gas production equipment for replacement of nitrogen in filter vent equipment
⑪ Measures to control spread of radioactive substances outside facility	Positioning of water cannon Etc.
【Shared measures】	① Earthquake countermeasures Work to reinforce slope within the station site (north side of Units 3 and 4) Etc. ⑥ Tsunami-resistance measures Reinforced of measures to prevent flooding of buildings ⑫ Reinforced of instrument functions Reinforced of instrument monitoring functions following a severe accident ⑬ Reinforced of functions of emergency response center Measures to increase radiation shielding Etc. ⑭ Ensuring storage areas and access routes Securing of storage areas for mobile equipment, maintenance of access routes Etc.

In the wake of the accident at Fukushima Daiichi Nuclear Power Station, existing design basis have been newly introduced and reinforced, and new standards (severe accident standards) have been added to respond to severe accidents exceeding the design basis.

Based on these essential requirements, Chubu Electric Power will implement the additional measures shown in the chart at the right.

*2 Response is deferred for a five-year period following the formulation of the new regulatory requirements; we will proceed with studies in the future.