

Nuclear Disaster Training (Emergency Training) at Fukushima Daini Nuclear Power Station (Outline)

At Fukushima Daini Nuclear Power Station, FY 2012 nuclear disaster training (emergency training) was held on February 14 and 15, 2013 in accordance with the Nuclear Operator Emergency Action Plan and the Technical Specification for Nuclear Reactor Facility. The training is held once a year for the purpose of confirming the proper function of the nuclear disaster prevention framework in the case of a nuclear disaster.

[Training assuming severe conditions]

When all units (1-4) at Fukushima Daini NPS are under cold shutdown,
 - An earthquake of intensity lower 6 occurs in Hamadori region of Fukushima Prefecture and the external power supply is lost.
 - Later on, a Tsunami accompanying the earthquake attacks the power station and the function of all equipment for supplying AC power, cooling the reactor facilities using seawater and cooling the spent fuel pool is lost.

[Training items]

- Emergency call training
 - Evacuation guidance training
 - Water injection into the reactor and the spent fuel pool
 - Emergency radiation exposure medical training
 - Report training
 - Monitoring training
 - Training on securing power supply using a power supply car
 - Hydrogen explosion prevention training
 - Training on debris removal, etc.
- (Approx. 660 workers attended the training in two days)

Contents of the training

Training on securing power supply using a power supply car

Training on supplying power necessary to maintain the water injection into the reactor and the spent fuel pool and the heat removal function via a power supply car in the case of station blackout.



Pulling out cable from a power supply car (Unit 2)



Making connection with the cable connection box (Unit 2)

Water injection into the reactor and the spent fuel pool

Training on injecting freshwater and seawater into the reactor and the spent fuel pool via a fire engine.



Preparing to transfer water to the Reactor Building (Unit 2)



Transferring water to the Reactor Building (Unit 2)

Training on debris removal, etc.

Training on confirming the access route for heavy machinery to remove obstacles such as concrete pieces (debris) scattered on the road due to a Tsunami.



Heavy machinery heading to the site



Checking the access route at the site (around the Reactor Building)

Emergency radiation exposure medical training

Training on contamination measurement, decontamination, first aid treatment, transportation via an emergency medical vehicle assuming injuries accompanying contamination by radioactive materials in the Reactor Building.



First aid treatment by the medical team



Transportation via an emergency medical vehicle