Overview of Major Countermeasures in the Power Station

**Water processing facility (Decontamination and desalt processing)**

- Reactor building cover (countermeasures 5, 50, 54, 55)
- Cooling of spent fuel pool by external water injection (countermeasures 18, 22, 28)
- Sampling of steam/pool water and measurement of radioactive materials (countermeasure 19)
- Circulation cooling of spent fuel pool (countermeasures 23, 24, 25, 27)
- PCV venting (with filtration) (countermeasure 10)
- Flooding up to top of active fuel (countermeasures 3, 9)
- Reactor Pressure Vessel (RPV)
- Installation of heat exchangers (countermeasure 13)
- Nitrogen gas injection (countermeasures 2, 11, 15)
- Reuse of processed water (Countermeasure 45)
- Dispersion of inhibitor (countermeasures 47, 48, 52)
- Removal of debris (countermeasures 49, 53)
- Consideration of countermeasures for contaminated soil (countermeasure 51)
- Preventive measures against leakage of high radiation-level water (countermeasure 29)
- Storage of low radiation-level water (countermeasures 33, 35, 40)
- Storage of high radiation-level water (countermeasures 30, 32, 37, 39, 42)
- Treatment of sub-drainage water after being pumped up (countermeasure 36)
- Seismic assessment (countermeasure 20), Continued monitoring (countermeasure 21), (Unit 4) Installation of supporting structure under the bottom of spent fuel pool (countermeasure 26)

**Reference 2**

- Storage of low radiation-level water
- Tanks, Megafloats, Barges, Reservoir
- Additionally-installed Tank
- Injection of fresh water with pumps (countermeasure 1)
- Injection of fresh water with pumps (countermeasure 1)
- Condenser
- Dispersing of inhibitor (countermeasures 47, 48, 52)
- Removal of debris (countermeasures 49, 53)
- Centralized Waste Treatment Building
- Preventive measures against leakage of high radiation-level water (countermeasure 29)
- Sampling of steam/pool water and measurement of radioactive materials (countermeasure 19)
- Cooling of spent fuel pool by external water injection (countermeasures 18, 22, 28)
- Circulation cooling of spent fuel pool (countermeasures 23, 24, 25, 27)
- PCV venting (with filtration) (countermeasure 10)
- Flooding up to top of active fuel (countermeasures 3, 9)
- Reactor Pressure Vessel (RPV)
- Installation of heat exchangers (countermeasure 13)
- Nitrogen gas injection (countermeasures 2, 11, 15)
- Reuse of processed water (Countermeasure 45)
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