### Targets in TEPCO’s “Roadmap towards Restoration from the Accident at Fukushima Daiichi Nuclear Power Station”

#### 1. Government’s Support and Confirmation of Safety

- **1. Cooling the Reactors**
  - Confirm the safety of the nitrogen injection and the cooling situation/Analyze the condition of the reactor core
  - Confirm the safety of the cooling method, and the environmental impact
  - Monitor the cooling situation
  - Support the introduction of robots for monitoring the buildings
  - Assess the environmental impact when opening the reactor building door
- **2. Cooling the Spent Fuel Pools**
  - Use unmanned helicopters and promote sampling inside the pool
  - Consider plans for removing and transferring the spent fuels
  - Confirm the safety of the alternative cooling facility
  - Install alternative cooling facilities and monitor the operating status
- **3. Containment, Storage, Treatment and Reuse of Water Contaminated by Radioactive Materials (Accumulated Water)**
  - Confirm the safety of transferring high level radioactive water/Confirm the construction method used for sealing the subsurface water
  - Confirm the safety of the storage tank for the high level radioactive water
  - Confirm the safety of the seawater desalination facility
  - Monitor the installation and storage condition of the tank
  - Monitor the installation and operation status of the seawater desalination facility
- **4. Prevention of the Spread of Contamination of Subsurface Water**
  - Confirm the situation of discharge and treatment of the contaminated water inside the buildings
  - Confirm the prevention measures, facilities, and implementation status against the spread of contaminated subsurface water
- **5. Mitigation of Radioactive Materials in the Atmosphere and Soil**
  - Support the investigation and introduction of anti-scattering agents
  - Support the design and introduction of the reactor building covering and confirm the safety
  - Confirm the installation work of the building cover
  - Confirm the implementation status of the sealing work for subsurface water
  - Confirm the safety of the demolition container
- **6. Measures against Aftershocks**
  - Confirm the integrity and reinforcement method of the Unit 4 building
  - Confirm the reinforcement method and construction work of each Unit
  - Confirm the status of the installation work for the Unit 4 support structure
  - Confirm the implementation status of various radiation shielding measures
  - Confirm the status of the installation work for the Unit 4 support structure/ Confirm the reinforcement method and construction work of each Unit

#### 2. Conduct Monitoring

- **Survey by aircrafts and vehicles**
- **Monitoring Posts**
- **Monitoring of the sea**
- **Sampling of soil, etc.**
- **Conduct systematic monitoring by authorities concerned (atmosphere, soil, sea water, sea-bottom soil)**
- **Create a dose measurement map**
- **Create an estimated integrated dose map**
- **Evaluate the monitoring results and publish the maps twice/month**
- **Create a soil concentration map**
- **Conduct environmental monitoring for farm land, educational facilities, and food and tap water**

#### 3. International Cooperation

- **Accept overseas experts, and promote cooperation such as offering materials and equipment/ Strengthen international reporting regarding the release and management of radioactive materials**

#### 4. Investigation and Verification of the Accident

- **Investigate and verify the cause of the accident, etc.**

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**Mid-Term Issues**

- Radiation dose is in steady decline
- Release of radioactive materials is under control and radiation dose is being significantly held down.

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_Nuclear Emergency Response Headquarters_