

# **Establishment of the “Emergency Response Headquarters for Reliability Improvement at Fukushima Daiichi Nuclear Power Station”**

**April 8, 2013**

**Tokyo Electric Power Company**



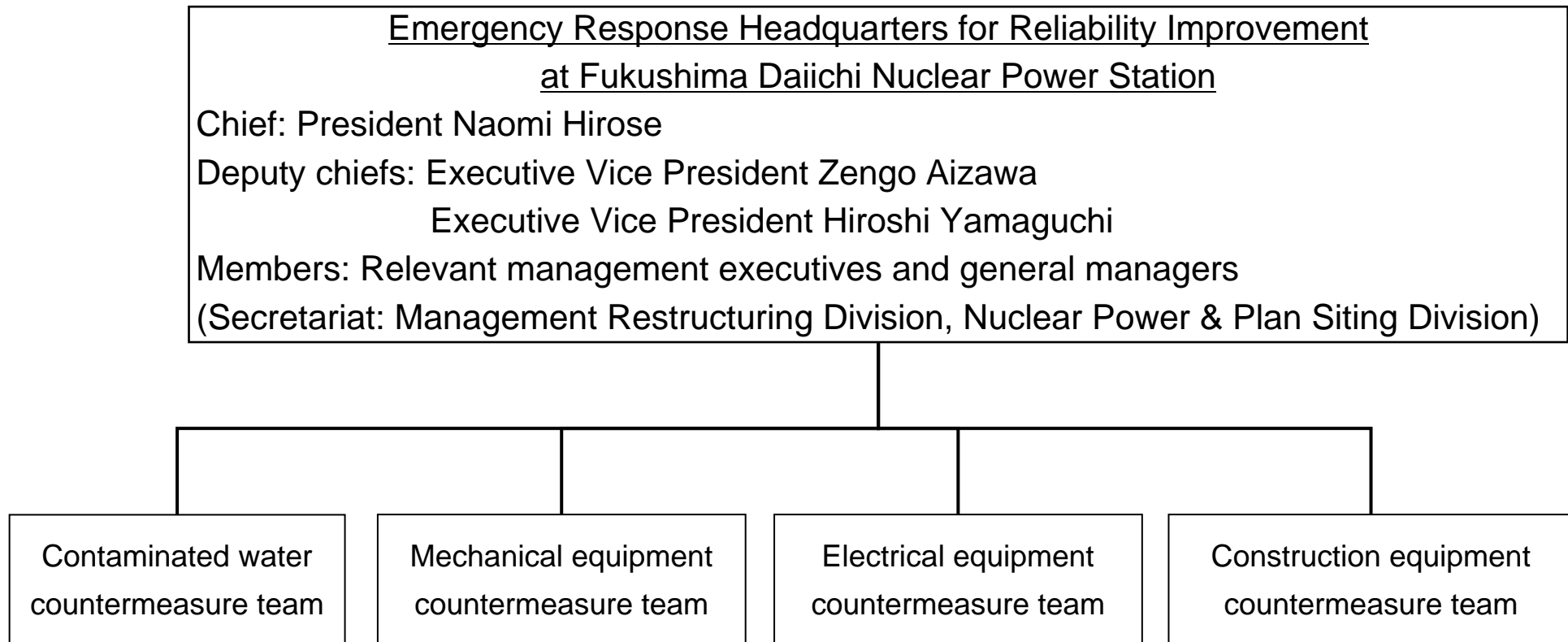
**東京電力**

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# 1. Organization of the “Emergency Response Headquarters for Reliability Improvement at Fukushima Daiichi Nuclear Power Station”

## ■ Organization

In response to the troubles continuing to occur at Units 1-4 of Fukushima Daiichi Nuclear Power Station, the “Emergency Response Headquarters for Reliability Improvement at Fukushima Daiichi Nuclear Power Station” has been established on April 7 for the purpose of swift implementation of reliability improvement measures for equipment/facilities and operation control to maintain and enhance stabilization.



## 2. Emergency Measures for Contaminated Water Treatment

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### ■ Measures to be implemented

In response to the leakage from the underground reservoir which occurred on April 5, the following emergency measures will be implemented for the time being.

- Safely transfer the water in the underground reservoir No.2 to an unused underground reservoir while performing water level measurement and sampling to monitor the condition. After all the water is removed (planned on April 10), the leakage location will be investigated.
- Reduce the water level of the underground reservoir No.3 from 95% to less than 80% (by safely transferring the water to an unused underground reservoir) while performing water level measurement and sampling to monitor the condition. The leakage location will be investigated similarly to the underground reservoir No.2.
- If we assume that we immediately stop using the underground reservoirs at this point in time, the tank capacity would be insufficient for storing the water currently stored in the underground reservoirs. The water will continue to be stored in the underground reservoirs for the time being while maintaining the water level at approx. 80% (max.) or less which is the location of the leakage detection hole on the upper part of the reservoir (which is assumed to be the leakage location).
- Tank installation plan (including those of a capacity of approx. 120,000 tons planned to be installed in the first half of FY2013) will be implemented ahead of schedule.
- Areas for future tank installation to further increase the tank capacity will be considered.
- Steadily perform hot testing of the multi-nuclide removal equipment (ALPS) for the purpose of risk mitigation through the purification of contaminated water.

# 3. Emergency Reliability Improvement Measures for Other Equipment and Facilities

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## ■ Policies

Reliability improvement activities will be thoroughly implemented in accordance with the following policies.

- Maintain the functions of the fuel cooling facilities (reactor water injection system, spent fuel pool cooling system, common pool cooling system, nitrogen injection system, PCV gas control system).
- Prevent the release of additional radioactive materials to the outside environment.
- Prevent fires
- Prevent power supply failures of critical equipment/facilities.

## ■ Action items

- Understand risks related to equipment/facilities based on thorough site investigation and clarify issues in terms of operation management.
- Implement a variety of measures including leveraging an external perspective.

## ■ Measures to be implemented

Mechanical, electrical, construction equipment teams are created to consider further measures for the issues clarified based on the potential risks found mainly at the site.

To be more specific, the following action items will be immediately implemented. Appropriate measures are to be swiftly taken for the issues found.

- Check the design documents
- Confirm the procedure manuals, availability of spare goods and implementation of training, etc.
- Walk around the site