

Overview of the Nuclear Safety Reform Plan Progress Report (FY2013 3rd Quarter)

History

- On September 11, 2012, TEPCO established the Nuclear Reform Special Task Force led by our president and set up a system for expeditiously and powerfully promoting reform of management practices and safety culture under the supervision and monitoring of the Nuclear Reform Monitoring Committee, which is comprised of experts and knowledgeable authorities from both inside and outside Japan. [Reference]
- The Nuclear Reform Special Task Force drafted and released its “Reassessment of the Fukushima Nuclear Accident and Outline of Nuclear Safety Reform Plan” on March 29, 2013.
- Reports on reform progress are compiled and released quarterly as monitoring continues by the Nuclear Reform Monitoring Committee along with other internal and external monitoring and assessment organizations.
- This report is a compilation of the progress made in the third quarter (October~December) of this fiscal year.

Progress Report Points

- Internal and external monitoring and assessment organizations have indicated that while a certain amount of progress appears to have been made in reforming nuclear safety, the reform plan is still insufficient in that it has not taken root nor is it being practiced within the organization.
- With the aim of raising safety awareness, bolstering field capabilities and strengthening communication abilities, managers and nuclear leaders at the Head Office and power stations will exercise stronger leadership and work to improve management practices so as to accelerate the implementation of reforms and make safety culture more widespread.

Progress on Safety Measures Concerning Facilities and Operation at Each Power Station

- Fukushima Daiichi Nuclear Power Station :
 - After a safety review by outside experts, removal of fuel from the spent fuel pool at Unit 4 was started approximately one month earlier than initially planned, marking the transition to Phase 2 of the Mid-and-Long Term Roadmap.

- Preventive and multilayered countermeasures are steadily being implemented to address the problem of contaminated water. Comprehensive emergency safety measures, which include improving the work environment and reinforcing the management framework, are also being consecutively implemented.
 - Based also upon a proposal by the Nuclear Reform Monitoring Committee, TEPCO decided to establish the Decommissioning Company (tentative name) so as to clarify and centralize the framework for responsibility related to reactor decommissioning and contaminated water countermeasures (April 2014).
- Fukushima Daini Nuclear Power Station :
- Inspection of the inside of the Unit 2 reactor was completed and no abnormalities due to the earthquake were confirmed.
- Kashiwazaki-Kariwa Nuclear Power Station :
- Work is underway on the installation of filtered venting equipment.
 - An application was presented to verify the compatibility of Units 6 and 7 with new regulatory standards, and TEPCO is currently attending to the review.

Progress on Nuclear Safety Reform Plan (Management)

○Countermeasure 1: Reform from Top Management

Although discussions about nuclear safety among management and nuclear leaders have been lively, it has been pointed out by internal and external monitoring and assessment organizations that leadership has been insufficiently exercised in spreading a safety culture as well as implementing and extending reforms. In the future, with the aim of raising safety awareness, bolstering field capabilities and strengthening communication abilities, managers and nuclear leaders at the Head Office and power stations will work to improve management practices so as to clearly define what is expected of them, reinforced the framework for monitoring and reform promotion, and promote internal communication.

○Countermeasure 2: Enhancement of Oversight and Support for Management

Based on the results of monitoring activities, the Nuclear Safety Oversight Office has proposed improvements related to safety culture and organizational management. Specific countermeasures have been reviewed and implemented.

○Countermeasure 3: Enhancement of Ability to Propose Defense in Depth

Various measures to enhance capability for proposing defense in depth have been implemented, and results obtained to a certain extent. Activities will be initiated, which

employ challenges to extend their scope in a new commitment aimed at building up individual ability to make proposals.

○Countermeasure 4: Enhancement of Risk Communication Activities

Based on proposals by the Nuclear Reform Monitoring Committee, improvements have been made in press releases, website postings and other announcements. Deviations from society are continually being checked and corrective action taken.

○Countermeasure 5: Reform of Power Station and Head Office Emergency Response Organizations

An ICS-based emergency structure is being maintained at each power station and the Head Office. As proposals put forth by the Nuclear Reform Monitoring Committee are taken into account, training exercises are repeatedly conducted, issues identified and improvements implemented.

○Countermeasure 6: Reassessment of Non-Emergency Power Station Organization and Enhancement of Engineering Capability for Direct Management

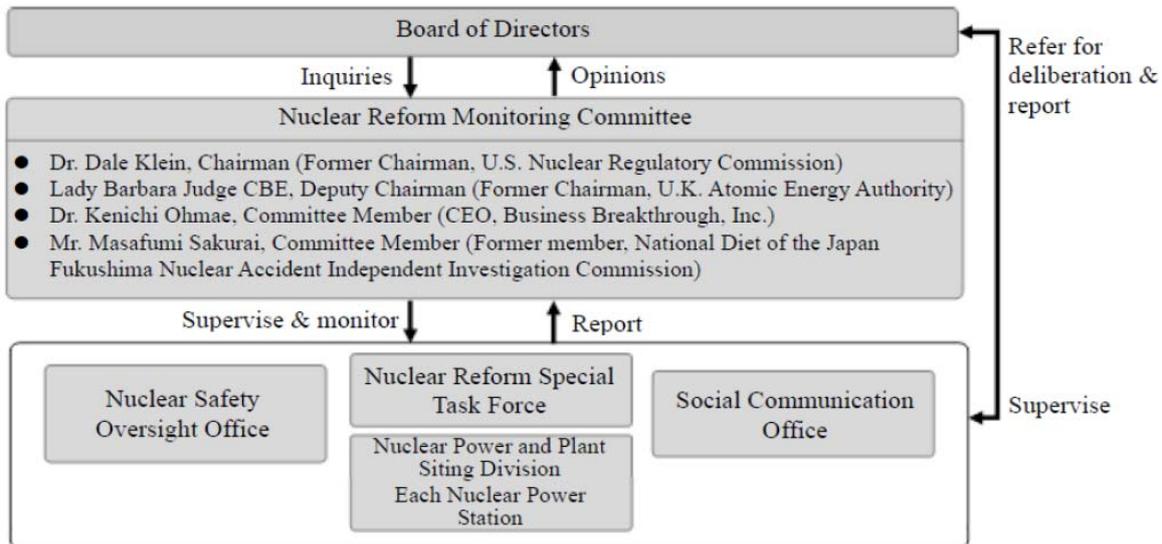
Through the deployment of senior engineers and direct management of work, the technical capabilities of individuals and organizational capabilities of teams have improved. The personnel eligible will be expanded with the aim of ensuring proficiency and further heightening skills.

Status of Investigations into Unidentified and Unexplained Matters in the Fukushima Nuclear Accident

- The first progress report on the status of investigations and reviews of unidentified and unexplained matters in the Fukushima Accident was released in December of last year.
- Field investigations have been systematically conducted, including surveying the inside of a containment vessel.

End

Nuclear Reform Framework



※Outside expert, Mr. Lake Barrett (former member, U.S. Nuclear Regulatory Commission and U.S. Department of Energy), is providing guidance and advice on reactor decommissioning and contaminated water countermeasures.

Record of Nuclear Reform Monitoring Committee and Other Meetings

October 12, 2012	Meeting of the 1 st Nuclear Reform Monitoring Committee Deliberated “How to Move Forward with Nuclear Reform”
December 14, 2012	Meeting of the 2 nd Nuclear Reform Monitoring Committee Deliberated the Interim Report on the Nuclear Safety Reform Plan
March 29, 2013	Meeting of the 3 rd Nuclear Reform Monitoring Committee Deliberated and released the Final Report on the Nuclear Safety Reform Plan
July 26, 2013	Meeting of the 4 th Nuclear Reform Monitoring Committee Deliberated the Nuclear Safety Reform Plan Progress Report (FY2013 1 st Quarter) and the problem of announcements concerning the outflow of contaminated water at Fukushima Daiichi Nuclear Power Station
September 13, 2013	Meeting of the Contaminated Water and Tank Countermeasures Headquarters Deliberated efforts related to decommissioning and contaminated

water countermeasures for Fukushima Daiichi Nuclear Power Station

December 2, 2013

Meeting of the 5th Nuclear Reform Monitoring Committee

Deliberated the progress on the Nuclear Safety Reform Plan and efforts related to decommissioning and contaminated water countermeasures for Fukushima Daiichi Nuclear Power Station