The Action Plan uses the focus and specialized capabilities of the new Fukushima D&D Engineering Company to shift efforts at Fukushima Daiichi from the emergency response phase, which began immediately after the accident, to a longer-term and sustainable approach suited to long-term decommissioning work.

The Action Plan has three main components: (1) Improving the management of water on the site, including reduction of the amount of water that becomes contaminated and reducing the risks associated with stored water; (2) safely achieving steady progress toward the achievement of middle- and long-term goals, including the safe removal of spent nuclear fuel and, ultimately, the safe removal of nuclear debris; and (3) establishment of an administration and infrastructure sufficient to support and manage those activities.

A Commitment to Achieve Three Goals

- Ensuring the implementation of contaminated water countermeasures
  - Preventing the leak of contaminated water into the sea
  - Ensuring the management and risk reduction of retained contaminated water
  - Preventing the increase of contaminated water from the inflow of groundwater

- Amassing domestic and international knowledge for steady promotion of decommissioning
  - Ensuring the removal of fuel from the spent fuel pools (Units 3 and 4)
  - Establishing an international platform for exploring various scenarios to define a specific scenario for debris and fuel removal

- Building a foundation for long-term decommissioning
  - Shifting from makeshift facilities to the installation and administration of more permanent facilities, fostering and securing human resources for decommissioning, and improving the on-site work environment

Fukushima Daiichi D & D Engineering Company

[Previously] [April 2014 onwards]

- Corporation
- Nuclear Power & Plant Siting Division
- Organization
- Enhanced project management
- Improved on-site capability
- International platform for decommissioning and nuclear power safety
- International Research Institute for Nuclear Decommissioning
- National Government Inter-Ministerial Council for Contaminated Water and Decommissioning Issues
- Main guidelines, Directives, etc.
- D&D Company
- Person with ultimate responsibility for decommissioning and water decontamination (CDO, Company President)
- Improved on-site capability
- * Decommission Units 5 & 6 use for R&D
- Active use of internal and external personnel with specialist knowledge
- Building an international promotional structure as a Japanese nationwide system

Funding, staff, technology
Internal company subdivision

Enhanced project management
Building an international promotional structure as a Japanese nationwide system

* Decommission Units 5 & 6 use for R&D
Person with ultimate responsibility for decommissioning and water decontamination (CDO, Company President)
Fukushima Daiichi
Enhanced project management
International platform for decommissioning and nuclear power safety

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Countermeasures for contaminated water

- Preventing the leak of contaminated water into the sea
  - Installing steel pipe piles on the ocean side to establish an impermeable wall (FY2014)
- Ensuring the management of retained contaminated water
  - Installing large welded tanks to replace flange tanks for establishing the total tank capacity of approx. 800,000 tons (FY2014)
- Reducing risks concerning contaminated water retained in tanks
  - Improving the capacity factor of multi-nuclide removal facilities (ALPS) and installing additional ALPS facilities to purify contaminated water (concentrated RO brine) in tanks by the end of 2014.
- Implementing measures to prevent the inflow of groundwater
  - Installing an impermeable wall in the frozen soil method (early FY2015)

Ensuring steady progress in the mid- and long-term roadmap

- Fuel removal from spent fuel pools
  - Preparing a safe and efficient work plan based on reviews by domestic and international experts to ensure steady removal of fuel from spent fuel pools
  - Aiming to complete fuel removal at Unit 4 by the end of 2014 and commence it at Unit 3 in FY2015
- Fuel debris removal
  - Producing devices for a full-scale investigation inside PCV (FY2014), and drawing up a flexible and specific scenario for removing debris fuel (FY2016)
  - Establishing an international platform for exploring scenarios, and promoting the foundation of a practical research structure for application to actual equipment

Improving reliability through the introduction and administration of more permanent facilities

- Introducing more permanent facilities to boost reliability
  - Main measures include installing a new Central Monitoring Room in FY2016 and commencing the construction of a power supply base on the Units 5 / 6 side in FY2016.
- Improving the working environment in view of the feedback of on-site workers
  - Setting up a large resting room and canteen in FY2014 as well as building a new administration building in FY2015
  - Carrying out decontamination to reduce on-site radiation levels.
- Reinforcing the organizational administration structure
  - Improve handling of task-specific projects in order to resolve a diverse range of miscellaneous decommissioning tasks as they arise; ensuring that the administration of the new project management structure is established in one year, and that resources are appropriately distributed among various on-site tasks within 3 years to achieve flexible and swift project management
- Reinforcing and securing on-site human resources for decommissioning
  - Drawing up a program for fostering and revamping on-site engineering capacity (FY2014) and systematically securing human resources in order to reinforce HR development for long-term decommissioning work
  - Working in partnership with general contractors and other contractors to explore and implement measures for securing workforce