Measures for Mid-term Risk Reduction at TEPCO's Fukushima Daiichi NPS (as of August 2015) Effective dose at the **Examining the** Earthquake / Radioactive **Contaminated water** Issue site boundary Spent fuel **Work environment** inside of the **Tsunami** waste (estimated value) facilities Site and **Understanding** Managing off-site Preventing scattering **Enabling** a **Removing fuel** the internal environmental of radioactive waste effective dose Avoiding leakage of contaminated sustainable work Objective from Spent Fuel during situation of the during protection from water from tanks etc. environment for decommissioning decommissioning Pools (SFPs) Earthquake / damaged decommissioning processes processes **Tsunami** facilities earthquake/tsunami r the basic protection p to this model Removing highcontaminated Preventing the outflow of stagnant Scientifically providing the greater recurrence of Completing fuel Building the Building the radioactive removal operation Treating highlarge resting food-service contaminated water Managing the additional at Unit 4 SFP (Dec. from the sea-side pipe radioactive facility center 2015 effective dose to 2014) trenches (Units 2-4) contaminated water in (May. 2015) (Mar. 2015) 2mSv/year* or less by (June. 2015; Unit 2, tanks (May. 2015) continuous radiation Starting operation of July. 2015; Unit 3) monitoring and by incineration plants for Examining the treating high-radioactive miscellaneous Managing a work Preventing the outflow of process of contaminated water etc. radioactive waste e.g. environment contaminated groundwater accumulation of Completing removal (Mar. 2015) protective clothing into the sea by completing not requiring and establishing of tanks lacking contaminated the sea-side underground (Feb. 2016) full-face mask water in R/Bs, etc. concrete foundations impermeable wall including respirators sub-drain control systems and/or dikes (Dec. excluding the 2014;H1 Area) vicinity of R/Bs Accurately controlling Removing etc. (May. 2015) the levels of contaminated water groundwater and from bolt-joint tanks Managing the stagnant contaminated Characterizing Completing on-site additional effective 2016 water in R/Bs and T/Bs nuclides in water measures following the established plan Implementing the decontamination excluding the dose to 1mSv/year* passing through the vicinity of R/Bs etc. (Mar. 2016) or less (Mar. 2016) Managing the increase of the total capacity of reactors water in tanks by restraining the inflow of Facilitating administration groundwater into Reactor Buildings(R/Bs) and of the workers by Turbine Buildings (T/Bs) completing the new main site protection office building (Aug. 2016) Completing construction Analyzing the 2017 of Unit 3 R/B cover and contamination of Starting operation of completing fuel removal the inside of R/Bs, Reducing the volume of contaminated water incineration plants for facility in tanks by discharging the water after etc. felled trees necessary treatment to the sea in accordance Completing fuel with the regulatory requirements, etc. removal operation at Extending the capacity of Unit 3 SFP storage and volume reduction plants for Directly observing inside rubbles, etc. of Primary Containment Completing construction Vessels(PCVs) and of Unit 1 R/B cover and [Note] **Reactor Pressure** completing fuel removal Managing secondary waste Vessels(RPVs) Completed measures: facility from treatment of 2019 Measures in progress contaminated water e.g. or in preparation: Completing fuel Measures (Timing TBD): sledges in the High Integrity removal operation at *Estimated value (year) Unit 1 SFP

Container(HIC)s, etc.