31 March, 2016 (Provisional Translation)

## Measures for Mid-term Risk Reduction at TEPCO's Fukushima Daiichi NPS (as of March 2016) Effective dose at **Examining Contaminated** Work the site boundary Spent fuel Earthquake / Tsunami **Dusts** Radioactive waste the inside of Issue water (estimated value) environment, the facilities Managing off-site Understandin Preventing scattering and **Enabling** a Avoiding leakage of Removing fuel Site and environmental Preventing scattering of effective dose g the internal leakage of radioactive sustainable work contaminated water from from Spent Fuel protection from radioactive dusts during during situation of waste during environment for Objective decommissioning the damaged tanks etc. Pools (SFPs) Earthquake / Tsunami decommissioning processes decommissioning decommissioning processes processes facilities Implementing the Removing high-Treating highcountermeasures radioactive radioactive Construction of against scattering Building contaminated Completing fuel contaminated temporary of dusts, in light of Implementing and the food removal Managing the water from the water in tanks seawall (June monitoring of service additional effective the scattering operation at Unit sea-side pipe (May. 2015) Scientifically 2015 2011) enhanced center incident from Unit 4 SFP (Dec. 2014) dose to 2mSv/year\* or trenches (Units providing the Managing a (Mar. 3 (optimization of less by continuous 2-4) (June. 2015) Preventing the outflow work against scattering 2015) dispersion of Unit 2, July. 2015 radiation monitoring earthquake/tsuna environmer roundwater into the of dusts scattering Unit 3, Dec. 2015 Preventing the and by treating high mi model (900 gal sea by completing the not requiring prevention radioactive outflow of Unit4)) 26.3m),and sea-side underground Completing rubble full-face Building chemicals and contaminated water stagnant establishing the Completing including sub-drain removal operation mask the large installing more etc. (Mar. 2015) contaminated basic protection control systems (Oct. removal of tanks dust monitors ) at Unit 3 SFP respirators resting water plan that excluding th lacking concrete (2011-2016) facility (2013) anticipating the corresponds to vicinity of foundations (May. recurrence of this model (Dec. and/or dikes (De-R/Bs etc. 2015) Preventing the outfloy Starting operation the 2011 2015) 2014:H1 Area) of incineration (May. 2015) Tsunami (max plants for 2016 15.5m) Removing high radioactive waste the levels of Completing radioactive groundwater and e.g. protective contaminated water on-site stagnant contaminated clothing (Feb. from bolt-joint tanks decontamin water in R/Bs and T/Bs 2016) Facilitating ation Managing the additional administra excluding effective dose to tion of the Removing (treated) Implementing the vicinity 1mSv/year\* or less (Mar contaminated water workers by of R/Bs etc Analyzing the the site from bolt-joint tanks completing (Apr. 2016) protection contamination of the new the inside of R/Bs. Implementing and measures \*Estimated value main office Managing the increase of the total Starting operation monitoring of following the etc. building capacity of water in tanks by restraining Completing of temporary enhanced established (Aug. 2016) the inflow of storage facilities construction of plan for stack countermeasures groundwater into Reactor Buildings(R/Bs) Unit 3 R/B cover for contaminated for Units 1 against scattering and Turbine Buildings (T/Bs) and completing and 2 and of dusts Characterizing 2017 fuel removal Mega-Float Starting operation facility nuclides in water (Tanker). Dismantling of the of the 9th storage passing through the covering of Unit 2 facility for reactors (2016-2018) radioactive waste Reducing the volume of contaminated water in Completing rubble Examining the Starting operation of analysis tanks by discharging the removal operation laboratory for radioactive material process of water after necessary at Unit 1 operating treatment to the sea in rooms and SFP accumulation of contaminated accordance with the (2016-2018) water in R/Bs, etc. regulatory requirements, 2018 Directly observing Transferring to the Starting operation inside of Primary stable managemen of large storage Containment of secondary waste Completing fuel plants from treatment of Vessels(PCVs) and removal operatio contaminated Completing Reactor Pressure at Unit 3 SFP water e.g. sledges Starting operation construction of Vessels(RPVs) in the High Integrit of incineration Unit 2 R/B cover Container(HIC)s. plants for felled and completing [Note] trees, flammables fuel removal Completed measures: in rubble, etc. facility 2020° Completing Completing Measures in progress treatment of Starting construction of Stopping of or in preparation: stagnant operation of Unit 1 R/B cover outside storage Measures (Timing TBD): contaminated volume reduction and completing (used protective water in R/Bs plants (metal. fuel removal clothing) and T/Bs. concrete) NRA, Japan facility

(year)