Nuclear Emergency Response Headquarters Government-TEPCO Integrated Response Office

## Summary of Step 2 Completion of "Roadmap towards Settlement of the Accident at Fukushima Daiichi Nuclear Power Station, TEPCO"

## Basic policy

By bringing the reactors and the spent fuel pools to a stable cooling condition and suppressing the release of radioactive materials, we will make every effort to enable evacuees to return to their homes and for all citizens to be able to secure a sound life.

## 2. Summary of Step 2

Achieved that the reactors were brought to a condition equivalent to "cold shutdown", and in case an accident occurs, we will be able to keep the radiation dose at the site boundaries at a sufficiently low level. Confirmed the reactors are stabilized and the accident in the station was settled.

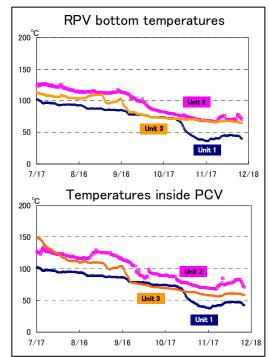
- 1) Keep RPV bottom temperatures and temperatures inside PCV below approx. 100 degree centigrade.
- 2) Suppress steam generation from the PCVs via controlling water injection, and which also suppress the release of radioactive materials from the PCVs.
  - As a result, the radiation exposure at the site boundaries due to the current release of radioactive materials from the PCVs is 0.1 mSv/y which is below the 1 mSv/y target.
- 3) Confirmed that the mid-term safety of the circulating water cooling system is secured.
  - > Secured the reliability of facilities via redundant backups as preparation for troubles and accidents.
  - > Secured the detection system of abnormality, and restoration measures and alternative measures in case of outage of facilities.

> Confirmed that the radiation dose at the site boundaries at a sufficiently low level in case an accident occurs. (Ex. Installed 9 water injection pumps including 6 pumps at the upland. Even if all water injection facilities are not available, it is possible to resume water injection via a fire engine in approx. 3 hours. Besides, even if water injection stops at Units 1-3 simultaneously for a consecutive 12 hours, the radiation dose at the site boundaries will be lower than 1 mSv/y.)

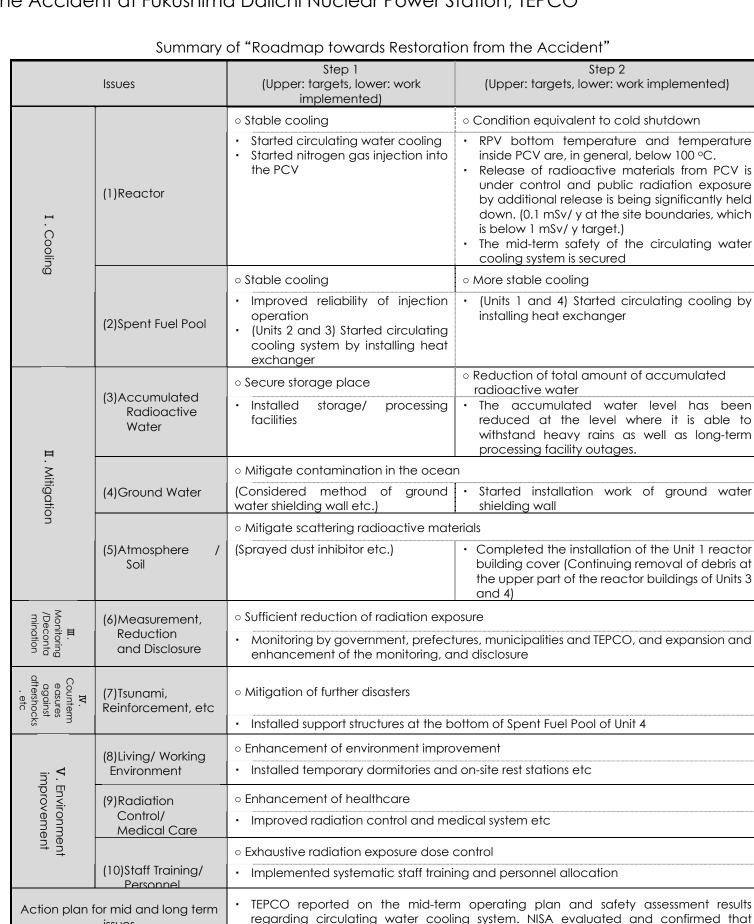
Although we have to work in a difficult environment in the site, the targets for each issue other than reactors have been achieved. Hence, the completion of the Step 2 target "Release of radioactive materials is under control and radiation doses are being significantly held down" has been confirmed.

## 3. Action plan hereafter

After Step 2 completion, we will close Government-TEPCO Integrated Response Office and set up a new organization, which will develop a mid and long term roadmap, and implement on-site work as well as R&D towards decommissioning. Progress status will be disclosed regularly.



issues



mid-term safety of circulating water cooling system was secured.