Fukushima Daiichi Nuclear Power Station
Scheduled Date of the Commencement of the Seventh Discharge in FY2025

＜Reference document＞
March 2, 2026
Tokyo Electric Power Company Holdings, Inc.
Fukushima Daiichi Decontamination & Decommissioning Engineering Company

- In preparation for the Seventh discharge of FY2025, we have confirmed that the analysis results for group B of the measurement/confirmation facility, sampled on November 20, 2025, meet the national discharge criteria, based on results that include analyses taken by the external agency.

Analysis items		Analysis results
①	Nuclides to be measured and assessed (29 nuclides)	**The sum of the ratios of the concentration of each radionuclide to the regulatory concentration「0.24」** (Confirmed to be less than 1)
②	Tritium	**250,000 Bq/liter** (Confirmed to be less than 1 million Bq/liter)
③	Nuclides voluntarily checked to ensure that they are not significantly present (39 nuclides)	**No significant concentrations found of any of the nuclides**
④	General water quality (44 criteria)	**Criteria values have been met** (Voluntary check to confirm that there are no unusual water quality)

- Total tritium discharge volume in ALPS treated water is approximately 2.0 T Bq and tritium concentration after dilution is approximately 338 Bq/liter, which is well below the regulatory concentration limit (60,000 Bq/liter), WHO standard for drinking water quality guidelines (10,000 Bq/liter), and value stipulated in the government policy (1,500 Bq/liter).
- Since the fourth discharge of FY2023, it was decided to implement discharge in two-stage only once a year for the time being, and as such, the seventh discharge of FY2025 will be conducted in two-stage.

< Announced by February 26, 2026 >

- On February 20, 2026, the inspection of the ALPS treated water dilution/discharge facilities was completed, and preparations for the discharge have been finalized. Accordingly, the sampling/measurement for the first stage of the seventh discharge will be conducted on March 4, 2026.
- After confirming the results of the first stage on March 5, we plan to commence the continuous discharge into the sea from measurement/confirmation tank group B (second stage) on or after March 6, 2026. (planned total amount of water to be discharged: approx. 7,800m^3)
- Going forward, we will remain vigilant to ensure the safe and stable discharge of ALPS treated water.

Overview of the discharge in two-stage

- When discharge of the ALPS treated water commenced (first ~ third discharges of FY2023), the water was discharged in two stages. Prior to discharging the water into the sea, the ALPS treated water that had been diluted with seawater was temporarily held in the discharge vertical shaft (upper-stream tank so that the water could be directly sampled/measured (First stage), and confirm through calculated estimates and actual measurements that there had been no significant difference in the concentration of tritium, and that said concentration was below the discharge criteria of 1,500 Bq/liter. After this was done, we proceeded to continuously discharge the water into the sea (Second stage) and confirmed that the treated water was indeed being diluted and mixed as designed.
- Furthermore, during discharge into the sea, samples and measurements were taken daily from down-stream of the seawater pipe header to confirm that there were no significant difference between calculated estimates and the actual measurements of tritium concentrations based on all 17 discharges to date, and that the ALPS treated water dilution/discharge facility possesses the dilution/mixing performance as designed.
- Based on the results from the discharges in two-stage and all 17 discharges to date, we have confirmed that the water is being diluted/mixed in the seawater pipe header as designed thereby achieving the objective of the two-stage discharge. However, in light of the opinions of regional residents, for the time being, a discharge in two-stage will be implemented once a year.
- In fiscal year 2025, as in the previous fiscal year, we will conduct a two-stage discharge during the seventh discharge and operate the ALPS treated water dilution/discharge facilities to verify that its performance had no problems. The concentration of tritium in the water diluted by seawater in upper-stream storage shall also be measured to confirm that through calculated estimates and actual measurements that there has been no significant difference in the concentration of tritium and less than 700 Bq/liter after which we shall proceed to continuous discharge into the sea (Second stage).

※Value determined so that the upper operational limit of 1,500 Bq/liter is not exceeded in consideration of analysis uncertainty and instrument discrepancies

[Reference] Procedure of discharge in two-stage

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■ Procedure of discharge in two-stage is as follows:

First Stage・・・ General performance confirmation of components (no discharge into the sea)

① Upper-stream storage emptied
② ALPS treated water (measurement/confirmation tank) tritium concentration entered into system
③ One seawater transfer pump started up
④ ALPS treated water transfer pump started up after the seawater transfer pump reaches rated flow
⑤ ALPS treated water transfer flow automatically adjusted in accordance with tritium concentration so that the ALPS treated water diluted by seawater concentration is 700 Bq/liter※
⑥ After rated flow has been reached, the ALPS treated water transfer pump and the seawater transfer pump will be shutdown
⑦ Operate the ALPS treated water dilution/discharge facility to verify that its performance had no problems.
The concentration of tritium in the water diluted by seawater in upper-stream storage shall also be measured to confirm that through calculated estimates and actual measurements that there had been no significant difference in the concentration of tritium and less than 700Bq/liter.

※Value determined so that the upper operational limit of 1,500Bq/liter is not exceeded in consideration of analysis uncertainty and instrument discrepancies

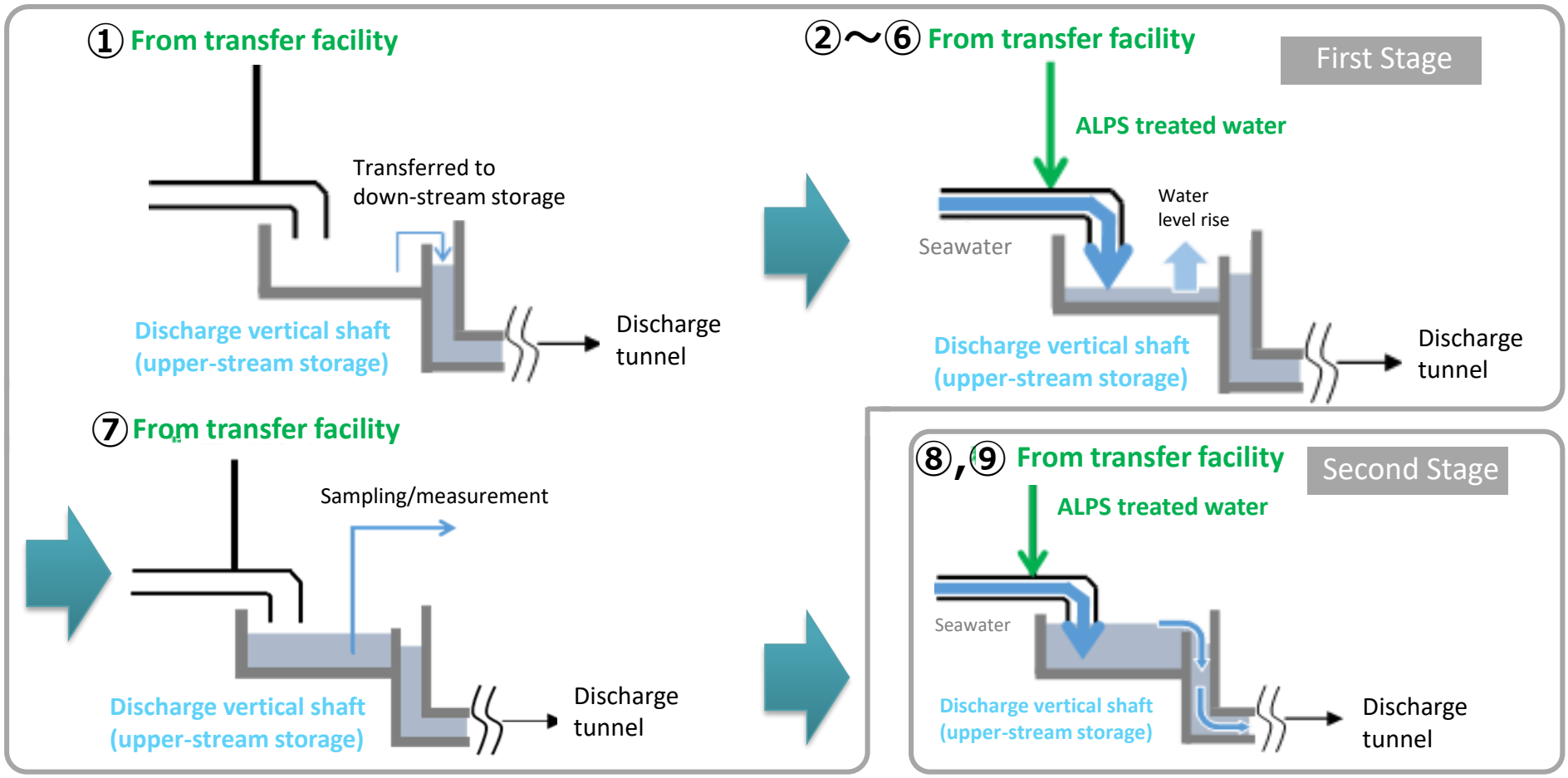
Second Stage・・・ Continuous discharge into the sea

⑧ Two seawater pumps started up in succession (commencement of discharge of diluted water from upper-stream storage)
⑨ After the two seawater pumps have reached rated flow the ALPS treated water transfer pump shall be started up (continuous discharge)

(“the post-dilution tritium concentration” during continuous discharge shall be managed using calculated values and analysis values from water sampled daily from downstream of the seawater flow header)

[Reference] Method of discharge in two-stage

TEPCO



① The discharge vertical shift (upper-stream storage) emptied

② ～⑥ A small amount (approximately 1m³) of ALPS treated water will be diluted with seawater (approximately 1,200m³) and then held in the upper-stream storage).

⑦ Operate the ALPS treated water dilution/discharge facility to verify that its performance had no problems.
The concentration of tritium in the water diluted by seawater in upper-stream storage shall also be measured to confirm that through calculated estimates and actual measurements that there had been no significant difference in the concentration of tritium and less than 700Bq/liter. [Processes ① through ⑦ comprise the First Stage] .

⑧, ⑨ Then, TEPCO will move on to the Second Stage which will be continuous discharge into the sea.