

## **Fukushima Daiichi Nuclear Power Station**

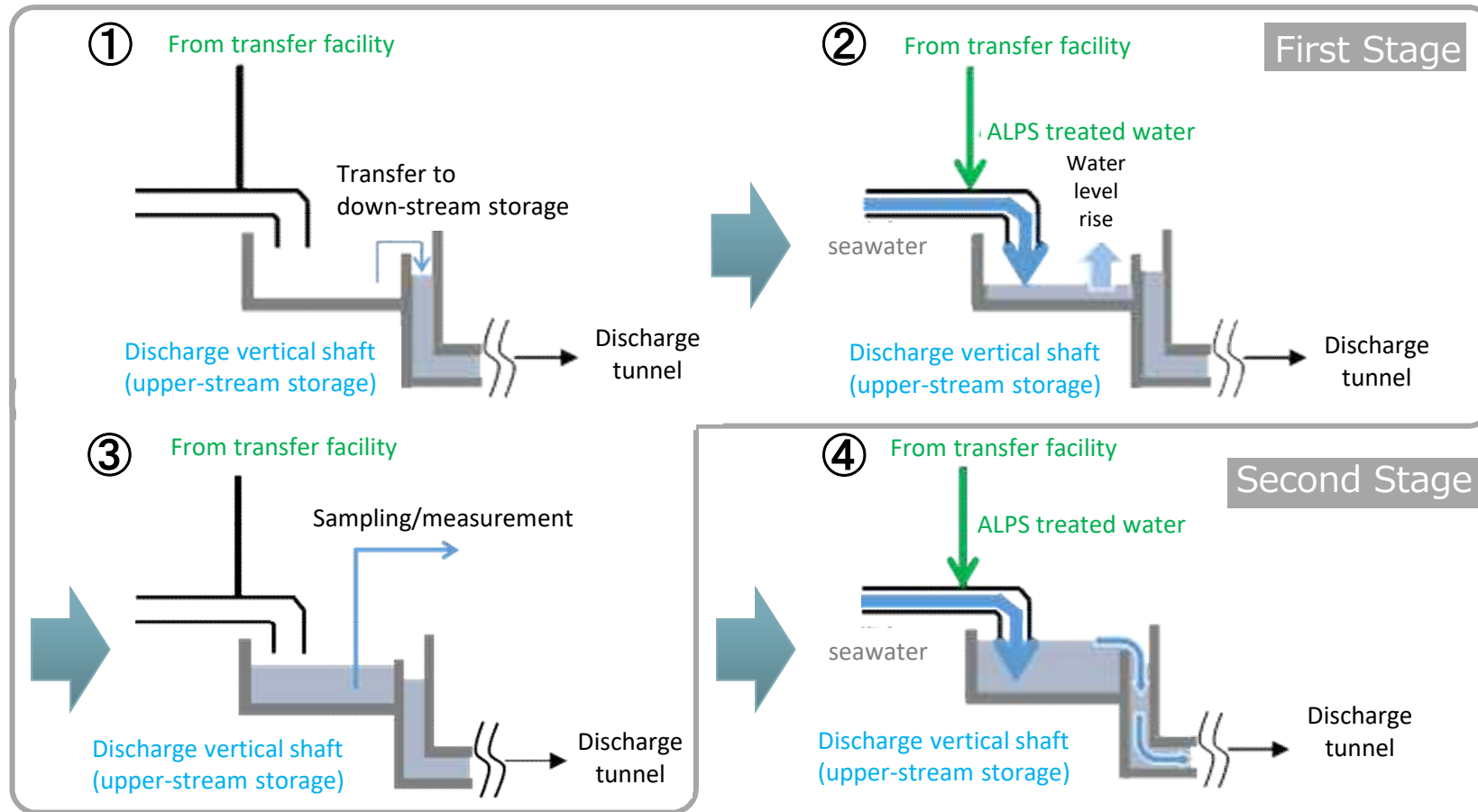
### **Commencement of preparations for the First Stage of the initial discharge of ALPS treated water**

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Tokyo Electric Power Company Holdings, Inc.  
Fukushima Daiichi Decontamination &  
Decommissioning Engineering Company

- At the sixth meeting of the Inter-Ministerial Council concerning the Continuous Implementation of the Basic Policy on Handling of ALPS Treated Water held today (August 22), the Japanese Government announced that it had made a decision in regards to the commencement period of the discharge of ALPS treated water into the sea and asked that TEPCO begin preparations for the commencement of discharge.
- TEPCO will quickly move forward with preparations to commence discharge with the utmost vigilance in accordance with the implementation plan.
- Firstly, as part of preparations for the First Stage (refer to the next page) of the initial discharge of ALPS treated water, today at 10:35, we began filling up the transfer pipe with ALPS treated water from Group B of the measurement/confirmation facility. Since the isolation valve downstream of the transfer pipe is still closed, the ALPS treated water did not flow into the discharge vertical shaft (upper-stream storage), and remained inside the transfer pipe.
- Going forward, as soon as preparations have been completed, as the First Stage of the initial discharge, a very small amount of ALPS treated water will be diluted with seawater and allowed to flow into the discharge vertical shaft (upper-stream storage) (page 2). Thereafter, the water in the discharge vertical shaft will be sampled in order to analyze tritium concentration and verify that ALPS treated water is being diluted as planned (page 3). Additionally, during the First Stage of the initial discharge, the ALPS treated water that has been diluted with seawater will be kept stored in the discharge vertical shaft (upper-stream storage), and the commencement of discharge into the sea will be initiated in the Second Stage (page 4).

# [Reference] Method of initially discharging small amounts



- ① The discharge vertical shaft (upper-stream storage) will be emptied. (Upper-stream storage has been emptied as of today)
- ② A very small amount of (approximately 1m<sup>3</sup>) ALPS treated water will be diluted with seawater (approximately 1,200m<sup>3</sup>) and then held in the discharge vertical shaft (upper-stream storage).
- ③ The water in the discharge vertical shaft (upper-stream storage) will be sampled and the tritium concentration will be measured in order to confirm that actual concentration is approximately the same as the calculated tritium concentration, and that the concentration of tritium is less than 1,500Bq/liter. [Processes ① through ③ comprise the First Stage]
- ④ Then, TEPCO will move on to the Second Stage which will be continuous discharge into the sea.