

- Transfer of ALPS treated water from the G4 south area group A to the measurement/confirmation facility group B was completed on Aug 23, 2024, in preparation for the sixth discharge in FY2024. Circulation/agitation commenced on August 28, and samples were taken on September 4. The collected samples are currently being analyzed.

<Announced by October 14>

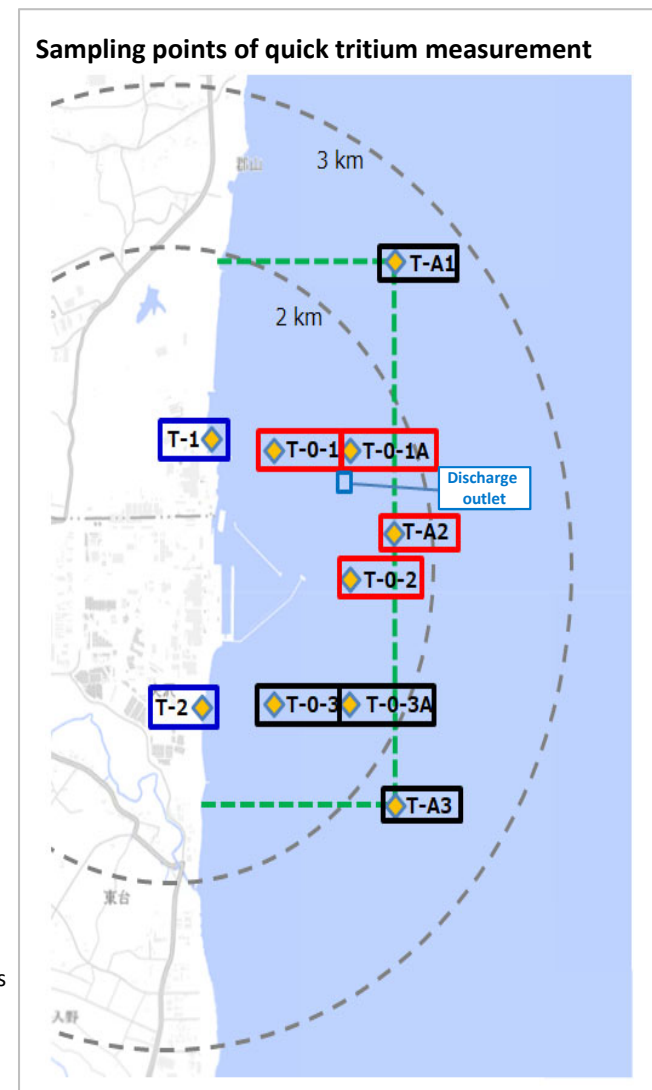
- The analysis results from sampled specimens have confirmed that the water in tank group B meets discharge criteria.
 - ① Nuclides to be measured and assessed (30 nuclides):
The sum of the ratios of the concentration of each radionuclide to the regulatory concentration: 0.083 (confirmed to be less than 1)
 - ② Tritium: 310,000 Bq/liter (confirmed to be less than 1 million Bq/liter)
 - ③ Nuclides voluntarily checked to ensure that they are not significantly present (38 nuclides):
No significant concentrations found of any of the nuclides
 - ④ General water quality (voluntary check to confirm that there are no unusual water quality) (44 criteria): Criteria values have been met
- Measurements taken by the external agency* (Kaken) show the same results and confirm that the water in tank group B meets discharge criteria. Based on these results, we are planning to commence the discharge of ALPS treated water from the measurement/confirmation facility group B (sixth discharge in FY2024) into the sea on October 17.
- We are discharging ALPS treated water starting from the one with lower tritium concentration. We have been discharging ALPS treated water which tritium concentration prior to dilution is 130,000-280,000 Bq/liter. In the next discharge, tritium concentration prior to dilution is 310,000 Bq/liter. Tritium concentration after dilution is approximately 420 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).
- Moreover, in the quick tritium measurement being conducted in the surrounding sea area, it is assumed that the measurement results will exceed the record high of 33 Bq/liter and reach several tens of Bq/liter. We will confirm that they are below discharge suspension level(700 Bq/liter) and investigation level (350 Bq/liter).
- Going forward, we will remain vigilant to ensure the safe and stable discharge of ALPS treated water.

* Measurements taken of ① Nuclides to be measured and assessed (30 nuclides); ② Tritium; and, ③ Nuclides voluntarily checked to ensure that they are not significantly present (38 nuclides).

Reference: Tritium concentration prior to and after dilution and maximum value/ detection point of quick tritium measurements of discharges conducted up to date



Management number*1	Tritium concentration prior to dilution	Tritium concentration after dilution	Results of quick tritium measurement (maximum value, detection point)	Discharge period
23-1-1	140,000 Bq/liter	160-200 Bq/liter	10 Bq/liter , T-0-1A	8/24-9/11
23-2-2	140,000 Bq/liter	150-170 Bq/liter	22 Bq/liter , T-0-1A	10/5-10/23
23-3-3	130,000 Bq/liter	150-180 Bq/liter	11 Bq/liter , T-0-1A	11/2-11/20
23-4-4	170,000 Bq/liter	190-230 Bq/liter	16 Bq/liter , T-0-1A	2/28-3/17
24-1-5	190,000 Bq/liter	210-240 Bq/liter	29 Bq/liter , T-0-1A	4/19-5/7
23-2-6	170,000 Bq/liter	180-210 Bq/liter	7.7 Bq/liter , T-0-2	5/17-6/4
23-3-7	170,000 Bq/liter	200-250 Bq/liter	18 Bq/liter , T-0-1A	6/28-7/16
23-4-8	200,000 Bq/liter	220-240 Bq/liter	9.0 Bq/liter , T-0-2	8/7-8/25
23-5-9	280,000 Bq/liter	310-370 Bq/liter	33 Bq/liter , T-0-1A*2	9/26-10/14



*1 The management number is made up of the fiscal year, followed by the discharge number for that fiscal year, and the total number of discharges to date. For example, "24-1-5" indicates that the data is for the first discharge of 2024, which is the fifth discharge to date.

*2 Sampling data collected from September 26 to October 14

*3 Objective of quick tritium measurement is to confirm if the value exceeds indices, not to analyze whether tritium concentration is high or low.