

# Fukushima Daiichi Nuclear Power Station

## Analysis Results and the Scheduled Date of Commencement for the First Discharge in FY2026 of ALPS Treated Water into the Sea

- Transfer of ALPS treated water from H2 area Group J and H1 East area Group C to measurement/confirmation facility tank group A was completed on February 3, 2026, in preparation for the First discharge of FY2026. Circulation/agitation commenced on February 6, 2026 and sample were taken on February 13, 2026. < Announced by March 26, 2026 >

- The analysis results from sampled specimens have confirmed that the water meets discharge criteria.

Analysis Items		Analysis Results
①	Nuclides to be measured and assessed (29 nuclides)	<b>The sum of the ratios of the concentration of each radionuclide to the regulatory concentration: 0.31</b> (confirmed to be less than 1)
②	Tritium	<b>240,000 Bq/liter</b> (confirmed to be less than 1 million Bq/liter)
③	Nuclides voluntarily checked to ensure that they are not significantly present (39 nuclides)	<b>No significant concentrations found of any of the nuclides</b>
④	General water quality (44 criteria)	<b>Criteria values have been met</b> (voluntary check to confirm that there are no unusual water quality)

- Measurements taken by the external agency\* (Kaken) show the same results and confirm that the water meets discharge criteria. Therefore, we plan to commence of the discharge of ALPS treated water into the sea from April 2, 2026. It is scheduled to be completed on April 20, 2026. (planned total amount of water to be discharged: approx. 7,800m<sup>3</sup>)
- The total amount of tritium in the ALPS treated water is approximately 1.9 T Bq, tritium concentration after dilution is approximately 324 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).
- 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 (29 nuclides); ② Tritium; and, ③ Nuclides voluntarily checked to ensure that they are not significantly present (39 nuclides).

# [Reference] FY2026 ALPS treated water discharge plan (1/2)



- The FY2026 ALPS treated water discharge plan is as follows. There will be eight discharges during the year with an annual discharge of approximately 62,400m<sup>3</sup>. The annual tritium discharge volume will be approximately 11 T Bq. In addition, there may be slight differences between the planned and actual annual tritium discharge amounts due to factors such as differences in the analytical values at the source tank group and the measurement/confirmation tank group.

Management number※ <sup>1</sup>	Transfer source tank※ <sup>2</sup>	Amount of water to be transferred	Discharge commencement period (Discharge volume)
26-1-19	H2 area Group J (Transferred to Measurement/Confirmation facility Group A) : <u>Approx. 7,390m<sup>3</sup></u> H1 East area Group C (Transferred to Measurement/Confirmation facility Group A) : <u>Approx. 390m<sup>3</sup></u>	Secondary treatment: None Sum of the ratios to regulatory concentrations: 0.51 - 0.86 ※ <sup>4</sup> Tritium concentration: 150,000~250,000 Bq/L ※ <sup>5</sup> Total amount of tritium : 1.9 T Bq	April (7,800m <sup>3</sup> )
26-2-20	H1 East area Group C (Transferred to Measurement/Confirmation facility Group B) : Approx.7,800m <sup>3</sup>	Secondary treatment: None Sum of the ratios to regulatory concentrations: 0.51 - 0.86 ※ <sup>4</sup> Tritium concentration: 150,000 Bq/L ※ <sup>5</sup> Total amount of tritium : 1.2 T Bq	May~June (7,800m <sup>3</sup> )
26-3-21	H1 East area Group C (Transferred to Measurement/Confirmation facility Group A) : Approx. 3,700m <sup>3</sup> H1 East area Groups A/B (Transferred to Measurement/Confirmation facility Group A) : Approx. 4,100m <sup>3</sup>	Secondary treatment: None Sum of the ratios to regulatory concentrations: 0.51 - 0.86 ※ <sup>4</sup> Tritium concentration: 150,000~160,000 Bq/L ※ <sup>5</sup> Total amount of tritium : 1.2 T Bq	June~July (7,800m <sup>3</sup> )
26-4-22	H1 East area Groups A/B (Transferred to Measurement/Confirmation facility Group C) : Approx. 7,800m <sup>3</sup>	Secondary treatment: None Sum of the ratios to regulatory concentrations: 0.60 - 0.84 ※ <sup>4</sup> Tritium concentration: 160,000 Bq/L ※ <sup>5</sup> Total amount of tritium : 1.3 T Bq	July~August (7,800m <sup>3</sup> )

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※<sup>1</sup> 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, "26-1-19" indicates that the data is for the first discharge of FY2026, which is the nineteenth discharge to date.

※<sup>2</sup> The tank order from which water will be transferred will not be impacted by increases/decreases in the transfer volume (factual measurements). But order of discharge may be moved forward or backward.

※<sup>3</sup> The underlined sections indicate actual values.

※<sup>4</sup> Conservative values calculated from the analytical values of the seven major nuclides (Cs-134, Cs-137, Sr-90, I-129, Co-60, Sb-125, Ru-106) measured after ALPS treatment and storage in tanks, plus the maximum value of C-14 (0.11) or analytical value and an estimate of the total of other nuclides at 0.3. For H1 East-A, B, C and H2-B, the notification concentration ratio calculated from the analytical values of the seven major nuclides is added to the maximum value of C-14 (0.11) or analytical value, and the analytical values of other nuclides (values obtained by analyzing samples obtained by mixing water samples taken from each tank in each tank group).

※<sup>5</sup> Average value of the tank group that was assessed taking into account the radioactive decay until April 1, 2026

# [Reference] FY2026 ALPS treated water discharge plan (2/2)



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Management number ※1	Transfer source tank ※2	Amount of water to be transferred	Discharge commencement period (Discharge volume)
26-5-23	H1 East area Groups A/B H2 area Group B	(Transferred to Measurement/Confirmation facility Group B) : Approx. 4,800m <sup>3</sup> (Transferred to Measurement/Confirmation facility Group B) : Approx. 3,000m <sup>3</sup>	August~ September (7,800m <sup>3</sup> )
26-6-24	H2 area Group B K1 area Groups C/D	(Transferred to Measurement/Confirmation facility Group A) : Approx. 6,200m <sup>3</sup> (Transferred to Measurement/Confirmation facility Group A) : Approx. 1,600m <sup>3</sup>	September~ October (7,800m <sup>3</sup> )
26-7-25	K1 area Groups C/D	(Transferred to Measurement/Confirmation facility Group C) : Approx. 7,800m <sup>3</sup>	October~ November (7,800m <sup>3</sup> )
Inspection suspension (including full inspections of measurement/confirmation facility Group A)			
26-8-26	K1 area Groups C/D G4 South area Group C	(Transferred to Measurement/Confirmation facility Group B) : Approx. 1,900m <sup>3</sup> (Transferred to Measurement/Confirmation facility Group B) : Approx. 5,900m <sup>3</sup>	February ~March 2027 (7,800m <sup>3</sup> )

➔ **Total amount of tritium to be discharged during FY2026 : Approx. 11 T Bq**

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For example, "26-1-19" indicates that the data is for the first discharge of FY2026, which is the nineteenth discharge to date.

※2 The tank order from which water will be transferred will not be impacted by increases/decreases in the transfer volume (factual measurements). But order of discharge may be moved forward or backward.

※3 Conservative values calculated from the analytical values of the seven major nuclides (Cs-134, Cs-137, Sr-90, I-129, Co-60, Sb-125, Ru-106) measured after ALPS treatment and storage in tanks, plus the maximum value of C-14 (0.11) or analytical value and an estimate of the total of other nuclides at 0.3. For H1 East-A, B, C and H2-B, the notification concentration ratio calculated from the analytical values of the seven major nuclides is added to the maximum value of C-14 (0.11) or analytical value, and the analytical values of other nuclides (values obtained by analyzing samples obtained by mixing water samples taken from each tank in each tank group).

※4 Average value of the tank group that was assessed taking into account the radioactive decay until April 1, 2026.