

Analysis Results of the Water in the Discharge Vertical Shaft (Upper-stream Storage)

Summary	Analysis Value	177~223 (Bq/L) (confirmed to be less than 700 Bq/L*1)
	Comparison with calculated value	Confirmed to be consistent with calculated value (87~346Bq/L)*2

Radioactivity Analysis: Tritium

Nuclide	Date and Time of Sampling	Analysis Results					
		TEPCO HD			JAEA *3		
		Analysis Value (Bq/L)	Uncertainty *4 (Bq/L)	Detection Limit (Bq/L)	Analysis Value (Bq/L)	Uncertainty *4 (Bq/L)	Detection Limit (Bq/L)
H-3	2026/3/4 13:54	2.0E+02	± 2.3E+01	6.2E+00	2.1E+02	± 4.1E+01	1.7E+01

· Values are expressed in exponential notation.

For example, "3.1E+01" means "3.1×10¹" and equals 31. Similarly, "3.1E+00" means "3.1×10⁰" and equals 3.1, and "3.1E-01" means "3.1×10⁻¹" and equals 0.31.

*1 A value established to ensure that, even when considering analytical uncertainties and instrument measurement errors, the operational upper limit of 1,500 Bq/L (the discharge standard) is not exceeded.

*2 Analysis value (200±23≒177~223) is within the calculated value (87~346Bq/L) which is taken into account of uncertainty of mixed dilution.

*3 Analysis results from the Okuma Analysis and Research Center of the Japan Atomic Energy Agency, a National Research and Development Agency, which are based on the basic policy on handling of ALPS treated water.

*4 "Uncertainty" refers to the accuracy of analysis data.

"Uncertainty" is calculated using "Expanded Uncertainty: Coverage Factor k=2".

ALPS treated water and seawater flow rate

	System	Flow rate (m ³ /h)		Tolerance range *5	Assessment result *6
		Set value	Measured value		
ALPS treated water flow rate	B	16.52	16.44~16.73	±0.8m ³ /h	OK
Seawater flow rate	A	— *7	7,134 or more	7,086m ³ /h or more	OK

*5 The tolerance range for the ALPS treated water flow rate is set by taking into account the instrument measurement error (±0.8 m³/h).

The tolerance range for the seawater flow rate is determined based on the capacity of the seawater transfer pump (7,086 m³/h) specified in the implementation plan.

*6 It was confirmed that the measured values satisfied the tolerance range.

*7 The rated flow rate of the seawater transfer pump is 7,086m³/h.