October 06, 2026

TEPCO Holdings

Fukushima Daiichi D&D Engineering Company

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

Summary	Analysis Value	178～222 (Bq/L) (confirmed to be less than 1,500 Bq/L)
	Comparison with calculated value	Confirmed to be consistent with calculated value (116～462Bq/L)*2

Radioactivity Analysis: Tritium

Nuclide	Date and Time of Sampling	Analysis Results		
		Analysis Value (Bq/L)	Uncertainty *1 (Bq/L)	Detection Limit (Bq/L)
H-3	2026/10/05 12:59	2.0E+02	± 2.2E+01	9.6E+00

・ Values are expressed in exponential notation.

For example, "3.1E+01" means "3.1×10^{1}" and equals 31. Similarly, “3.1E+00” means “3.1×10^{0}” and equals 3.1, and “3.1E-01” means “3.1×10^{-1}” and equals 0.31.

*1 “Uncertainty” refers to the accuracy of analysis data.

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

*2 "Calculated Value" is the value calculated from the tritium concentration measured at the measurement/confirmation facility and the flow rate ratio of the ALPS treated water to the seawater. "Calculated value" refers to the “Tritium Concentration after dilution” noted on TEPCO's website. Whereas it fluctuate slightly due to the tides, etc., they remain mostly the same throughout the day and therefore the value obtained at 7:00 AM on the day of specimen sampling shall be used for calculation comparisons.

https://www.tepco.co.jp/en/nu/fukushima-np/f1-rt/html-e/f1-alps_fd-month-sel-e.html

"Analysis Value" is compared with "Calculated Value" that considers uncertainties of mixed dilution (½ x "Calculated Value" ~ 2 x "Calculated Value").