

28th August, 2025

Confirmation of marine sample collection etc. under the framework of the International Atomic Energy Agency (IAEA)

At the request of the Government of Japan (GOJ), the International Atomic Energy Agency (IAEA) has organized Interlaboratory Comparisons (ILCs) * since 2014 to assist the GOJ. In these ILCs, marine samples in the vicinity of the TEPCO's Fukushima Daiichi Nuclear Power Station (FDNPS) are collected, and the IAEA, third-party laboratories, and Japanese analytical laboratories analyze the samples individually, and the IAEA intercompares and evaluates the analytical results. This mission is a part of the project which was initiated following recommendations made on Sea Area Monitoring in the report ** by the IAEA in 2013, which is related to the decommissioning of TEPCO's FDNPS. The mission also supports ongoing corroboration activities about Japanese sea area monitoring by the IAEA as a part of its review of the safety related aspects of handling ALPS treated water stored at TEPCO's FDNPS as requested by the Government of Japan following the announcement of its Basic Policy ¹.

In addition, following that Japan and the IAEA had concurred in conducting the additional measures on the existing monitoring under the IAEA framework, the Additional Measures have been conducted 4 times since October 2024. In this time, the fifth Additional Measures will be conducted, and the IAEA officials and experts from third-party laboratories will collect samples.

¹ Basic Policy on Handling of ALPS Treated Water at the Tokyo Electric Power Company Holdings' (TEPCO) Fukushima Daiichi Nuclear Power Station.

² Then-Prime Minister Kishida's Telephone Meeting with IAEA Director General Grossi

1 Schedule of marine sample collection

- (1) Interlaboratory Comparisons: 2-12 September 2025
Sampling of seawater, sediment, marine biota and fishery products / Pre-treatment
- (2) Additional Measures: 9-10 September 2025
Collection of seawater / Selection of fishery products

2 Participating analytical laboratories to marine sample collection

- (1) Interlaboratory Comparisons:
IAEA Marine Environmental Laboratories (Principality of Monaco), Korea Atomic Energy Research Institute (Korea), Labor Spiez (Switzerland), Authority for Nuclear Safety and Radiation Protection (France)
- (2) Additional Measures:
IAEA Marine Environmental Laboratories (Principality of Monaco), Korea Atomic Energy Research Institute (Korea), Labor Spiez (Switzerland), China Institute for Radiation Protection (China), Environmental Radioactivity Laboratory (New Zealand), Lomonosov Moscow State University (Russia)

(Note)

The above schedule is based on current estimates and is subject to change due to weather conditions and other factors.

* The report of the 2023 ILC is available in the IAEA website. A footage introducing the ILC is also available. (Refer to URLs below).

• Website

Marine Monitoring: Confidence Building and Data Quality Assurance

<https://www.iaea.org/about/organizational-structure/departments-of-nuclear-sciences-and-applications/division-of-iaea-marine-environment-laboratories/marine-monitoring-confidence-building-and-data-quality-assurance>

Fukushima Daiichi ALPS Treated Water Discharge

<https://www.iaea.org/topics/response/fukushima-daiichi-nuclear-accident/fukushima-daiichi-alps-treated-water-discharge/reports>

• Report

Third Interlaboratory Comparison on the Determination of Radionuclides in ALPS Treated Water:

<https://www.iaea.org/sites/default/files/third-interlaboratory-comparison-on-the-determination-of-radionuclides-in-alps-treated-water-200325.pdf>

The report on the results of “Additional Measures” for Independent Sampling and Analysis Related to Discharges of ALPS Treated Water –Preliminary Additional Measure, October 2024:

<https://www.iaea.org/sites/default/files/additional-measures-for-independent-sampling-and-analysis-related-to-discharges-of-alps-treated-water-preliminary-additional-measure-october-2024.pdf>

** IAEA INTERNATIONAL PEER REVIEW MISSION ON MID-AND-LONG-TERM ROADMAP TOWARDS THE DECOMMISSIONING OF TEPCO’S FUKUSHIMA DAIICHI NUCLEAR POWER STATION UNITS 1-4 (Second Mission)

https://www.iaea.org/sites/default/files/IAEAfinal_report120214.pdf

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