

28th September, 2026

Publication of a report on IAEA Review of Safety Related Aspects of Handling ALPS Treated Water at TEPCO's Fukushima Daiichi Nuclear Power Station (Third Interlaboratory Comparison on the Determination of Radionuclides in the Marine Environment)

The International Atomic Energy Agency (IAEA) has been conducting Interlaboratory Comparison (ILC) since 2022 to corroborate Sea Area Monitoring related to ALPS treated water, based on the Terms of Reference on reviews of safety aspects of handling ALPS treated water signed in July 2021 with the IAEA. In this ILC, marine samples in the vicinity of Tokyo Electric Power Company Holdings, Inc. Fukushima Daiichi Nuclear Power Station (1F) are collected jointly with the IAEA and the Government of Japan, the samples are analyzed individually by the IAEA and the Japanese analytical laboratories, and the IAEA assesses the comparison of the analytical results.

We announce that the IAEA has released a report on the results of the third ILC. The report summarizes the analytical results of the samples taken in 2024, in which IAEA-designated ALMERA¹ laboratories from China, the Republic of Korea and Switzerland also participated. The IAEA, in its report, confirms that Japan's sample collection procedures adhere to appropriate standards required to obtain representative samples. Additionally, based on the accurate analytical results from the third ILC and previous ILCs, the IAEA recognizes the high capabilities of Japanese laboratories involved in environmental monitoring analyses of radionuclides in marine samples as part of the Comprehensive Radiation Monitoring Plan related to the discharge of ALPS treated water.

Furthermore, these results are consistent with routine monitoring and indicate that the concentrations of radionuclides in the marine environment around 1F continue to remain low and stable.

¹ The ALMERA network (Analytical Laboratories for the Measurement of Environmental Radioactivity) is a network established in 1995 and comprised of 203 member laboratories globally that is coordinated by the IAEA to maintain and develop capability on the determination of radionuclides in environmental samples.

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- ◆ Full report:

[third-interlaboratory-comparison-on-the-determination-of-radionuclides-in-the-marine-environment.pdf](#)

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