

- Since 2022, before commencing the discharge, relevant ministries and agencies, the nuclear operator, and others have conducted sea area monitoring in relation to ALPS treated water.
- The reliability of the analyses is being ensured with the assistance of the IAEA.
- As of December 2024, it was confirmed that tritium concentrations were sufficiently low and would have no adverse impact on human health and the environment.

< Monitoring of sea water, marine biota and fishery products regarding ALPS treated water >

Extract of monitoring plan for FY2024

[Sea water (conducted by the Ministry of the Environment and the Nuclear Regulation Authority)]

(i) Precise analysis of tritium

- Conduct analysis basically four times a year

(ii) Rapid analysis of tritium

- Conduct analysis twice during the discharge, and once a month while suspending the discharge
- Conduct analysis twice a year at six locations at the beach near the outlet

(iii) Analysis of radionuclides other than tritium

- Conduct analysis basically four times a year

[Marine biota (conducted by the Ministry of the Environment)]

(i) Fish

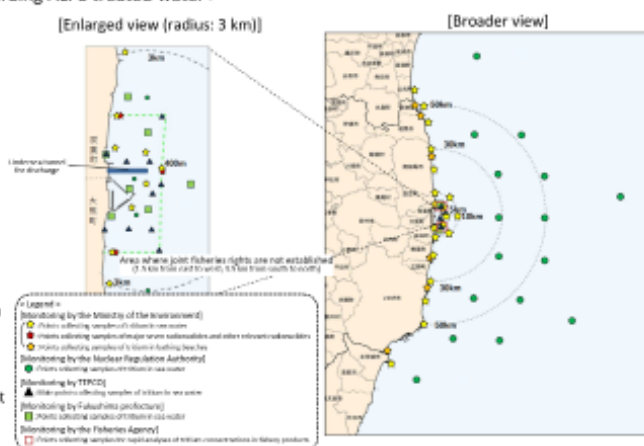
- Conduct analysis for fish collected at three locations closest to the outlet in the sea area where fisheries are conducted ordinarily
- Analyze the concentrations of tritium and Carbon-14 four times a year

(ii) Seaweeds

- Conduct analysis for seaweeds collected at two locations close to the outlet
- Analyze the concentrations of Iodine-129 two times a year

[Fisheries products (conducted by the Fisheries Agency)]

- Measure the concentration of tritium for approx. 450 samples per year



Points collecting samples for sea area monitoring by the relevant organizations

[Source] Prepared based on "Comprehensive Radiation Monitoring Plan (revised on March 21, 2024)" (Monitoring Coordination Meeting) (https://radioactivity.nra.go.jp/cont/en/plan/meetings/274_20240321.pdf), and "Status of Monitoring by MOE" (MOE's website) (<https://www.env.go.jp/content/000250315.pdf>) (in Japanese), and "Sea Area Monitoring regarding ALPS Treated Water" (NRA) (<https://www.nra.go.jp/data/000457798.pdf>) (in Japanese)

From the perspective of securing safety and thoroughly ensuring measures against reputational damage upon the discharge of ALPS treated water, the national government and other relevant organizations have been conducting sea area monitoring. The monitoring has been conducted while ensuring the reliability of the relevant organizations' analytical abilities with the assistance of the IAEA.

In FY2022 before commencing the discharge, monitoring was started, and at present, precise analyses and rapid analyses are being conducted.

When monitoring detects any incident, such as a radioactive concentration exceeding the discharge suspension level, TEPCO is committed to making responses appropriately, including the immediate suspension of the discharge based on the Implementation Plan it had formulated.

Results of monitoring concerning tritium, etc. conducted by relevant ministries and agencies are published on the webpage titled "ALPS Treated Water Marine Monitoring Information". The government of Japan will continue making efforts to provide information domestically and internationally in a transparent and easy-to-understand manner.

ALPS Treated Water Marine Monitoring Information

<https://shorisui-monitoring.env.go.jp/en/>

(Source)

Prepared based on

- "Comprehensive Radiation Monitoring Plan (revised on March 21, 2024)" (Monitoring Coordination Meeting)
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