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Press Release

The results of monitoring on ALPS treated water

Regarding the discharge of ALPS treated water into the sea, we would like to share you with the results of monitoring on the level of tritium and the concentrations of Gamma (γ) ray nuclides in seawater as well as the level of tritium in marine products around the ALPS treated water outlet.

1. On August 24th, TEPCO, the Ministry of the Environment, and the Fisheries Agency started enhanced sea area monitoring in response to the commencement of ocean discharge of ALPS-treated water. The monitoring results as of August 28 are promptly released as shown in (1) to (3) below.

(1) TEPCO has confirmed that the tritium concentration in seawater was below the detection limit at 10 points within a 3km radius from the Fukushima Daiichi Nuclear Power Station as a result of rapid measurement of seawater sampled daily from August 24 to 27.

(TEPCO Monitoring site:

<https://www.tepco.co.jp/en/decommission/progress/watertreatment/monitoring/index-e.html>)

(2) The Ministry of the Environment has confirmed that the analysis results of seawater, sampled in the morning of August 25 showed that the tritium concentrations were below the lower limit of detection (below 7~8 Bq/L) at all 11 sampling points and would have no adverse impact on human health and the environment. In addition, the concentrations of Gamma (γ) ray nuclides were also measured and found to be below the lower limit of detection for all of the samples.

https://www.env.go.jp/en/press/press_01884.html

(3) The Fisheries Agency has confirmed that the results of rapid analysis of the tritium concentration of a total of 6 specimens, including flounder, which were collected from August 25 to 27 at approximately 4 km north of the ALPS treated water outlet and approximately 5 km south of the same outlet, were found to be below the lower limit of detection.

<https://www.jfa.maff.go.jp/e/inspection/index.html#rapid>

For your information, the following is the comprehensive site of the monitoring.

https://www.monitororbs.jp/index_en.html

2. Making use of this opportunity, we would also like to share you with the attached material which visualizes what Japan has explained so far.

For example, the results of the assessment of the impact of ALPS treated water on humans are 1/70,000 to 1/1,000,000 of the impact from natural radiation (Japanese average: 2.1 mSv per year).

Also the results of its on plants and animals (flatfish and brown seaweed) are 1/1,000,000 to 1/3,000,000 of the reference value proposed by the International Commission on Radiological Protection (ICRP), and on crabs are appx. 1/10,000,000 to 1/30,000,000 of the reference value (see P.3 of the below link).

Therefore, as the IAEA Comprehensive Report concludes, the effects on humans and the environment are negligible.

- English:

https://www.meti.go.jp/english/earthquake/nuclear/decommissioning/pdf/0707alps_8pages_en.pdf

- Chinese:

https://www.meti.go.jp/english/earthquake/nuclear/decommissioning/pdf/alps_8pages_scc.pdf

3. Japan continues to take every possible measure to ensure the safety of the discharge into the sea, and with the continued involvement of the IAEA, will ensure that we never discharge the water which have negative impact on people's health or the environment. Given that dissemination of claims without scientific evidence causes unfolded anxiety among the people of Malaysia and exacerbates reputational damages to Japanese food products as well as tourism to Japan, we are firmly opposed to such dissemination of claims and are committed to providing information based on scientific evidence in a sincere and transparent manner on this matter.