

Analysis Results of Seaweed <Fukushima Daiichi Nuclear Power Station>

Place of Sampling	Name of Sample	Date of Sampling	Analysis Item							
			H-3(Bq/L)		H-3(Bq/kg(Raw))		I-129 (Bq/kg(Raw))	Cs-134 (Bq/kg(Raw))	Cs-137 (Bq/kg(Raw))	Cs (Sum) (Bq/kg(Raw))
			Free Water Tritium	Organically Bound Tritium	Free Water Tritium	Organically Bound Tritium				
Port area (T-K1), 1F	sargassum	2022/7/13	-	-	-	-	-	1.3E-01	4.4E+00	4.5E+00
Northern area outside the port (T-K2), 1F	kelp	2022/7/14	- *	- *	- *	- *	< 1.0E-01	< 1.4E-01	5.7E-01	5.7E-01
Southern area outside the port (T-K3), 1F	sargassum	2022/7/14	- *	- *	- *	- *	< 1.0E-01	2.2E-01	6.9E+00	7.1E+00

- Half life of each nuclide: H-3 (Approx. 12 years), I-126(Approx. 15,700,000 years), Cs-134 (Approx. 2 years), Cs-137 (Approx. 30 years)
- Inequality sign (<: less than) indicates that measurement result is less than the detection limit (ND).
- "-" indicates that the item was not included in the measurement or the sampling was stopped, or the analysis was stopped due to lack of samples.
- 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.
- Free Water Tritium means tritium which exists in the tissues of plants and animals as water and is discharged from tissues in the same manner as water.
Organically Bound Tritium means tritium which organically bonds with protein etc. in the tissues of plants and animals and is taken into the tissues, and is discharged from the tissues through cellular metabolism.
- For the evaluation of the analysis results, please refer to the "Status of the Fukushima Daiichi NPS (Daily Report)"(Japanese only).
<https://www.tepco.co.jp/press/report/>
- * Analysis was stopped since sufficient samples did not remain available for re-analysis as required pursuant to the improved procedure, which was revised in August 2022.

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			H-3(Bq/L)		H-3(Bq/kg(Raw))		I-129 (Bq/kg(Raw))	Cs-134 (Bq/kg(Raw))	Cs-137 (Bq/kg(Raw))	Cs (Sum) (Bq/kg(Raw))
			Free Water Tritium	Organically Bound Tritium	Free Water Tritium	Organically Bound Tritium				
Port area (T-K1), 1F	sargassum	2022/8/18	-	-	-	-	-	< 1.7E-01	2.4E+00	2.4E+00
Northern area outside the port (T-K2), 1F	kelp	2022/8/19	-*1	-*1	-*1	-*1	< 1.0E-01	< 1.4E-01	6.5E-01	6.5E-01
Southern area outside the port (T-K3), 1F	-*2	-*2	-*2	-*2	-*2	-*2	-*2	-*2	-*2	-*2

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- "-/" indicates that the item was not included in the measurement or the sampling was stopped, or the analysis was stopped due to lack of samples.
- Values are expressed in exponential notation. For example, "3.1E+01" means "3.1×10¹" and equals 31.
Similarly, "3.1E+00" means "3.1×10⁰" and equals 3.1, and "3.1E-01" means "3.1×10⁻¹" and equals 0.31.
- Free Water Tritium means tritium which exists in the tissues of plants and animals as water and is discharged from tissues in the same manner as water.
Organically Bound Tritium means tritium which organically bonds with protein etc. in the tissues of plants and animals and is taken into the tissues, and is discharged from the tissues through cellular metabolism.
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*1 Analysis was stopped since sufficient samples did not remain available for re-analysis as required pursuant to the improved procedure, which was revised in August 2022.

*2 Sampling could not be conducted on August 19, 2022 since seaweed was not found.