August 6, 2024

Results of ALPS Treated Water Marine Monitoring: Swimming beaches survey (tritium (rapid analysis)) (July 30, 2024)

1 Outline of survey

(1) Date of sampling

July 30, 2024

(2) Sampling points

6 sampling points at swimming beaches in the Fukushima Prefecture (Tsurushihama beach, Haragama Obama beach, Kitaizumi beach, Iwasawa beach, Hisanohama Hattachi beach and Nakoso beach)

(3) Details of the survey

・The measurement of radioactive material concentrations in seawater (tritium)

Analysis with target lower limit of detection of 10 Bq/L.

* A target lower limit of detection means a value that is set for quality control to assure at least the detection up to the value when analysis is conducted. Each actual lower limit of detection differs according to samples, and is equal to or lower than a target lower limit of detection.

2 Outline of results

(1) Seawater survey (6 sampling points [6 samples])

Concentrations of tritium in seawater correspond to below the lower limit of detection in all samples.

(Detailed are attached)

(Maps attached)

Attachment

Analysis result for tritium in seawater at swimming beaches

Sampling point	Sampling date	Sampling layer	Sampling depth (m)	Nuclide	Radioactivity concentration*1*2	Unit
E-SK1	2024/07/30	Surface layer	-	H-3	< 8	Bq/L
E-SK2	2024/07/30	Surface layer	-	H-3	< 8	Bq/L
E-SK3	2024/07/30	Surface layer	-	H-3	< 8	Bq/L
E-SK4	2024/07/30	Surface layer	-	H-3	< 8	Bq/L
E-SK5	2024/07/30	Surface layer	-	H-3	< 8	Bq/L
E-SK6	2024/07/30	Surface layer	-	H-3	< 8	Bq/L

*1 Radioactivity concentrations are presented as radioactivity concentration ± combined standard uncertainty.

*2 Values below detection limit are shown by lower limit of detection (e.g.,“<10 Bq/L” indicates a value below 10 Bq/L).

Attachment

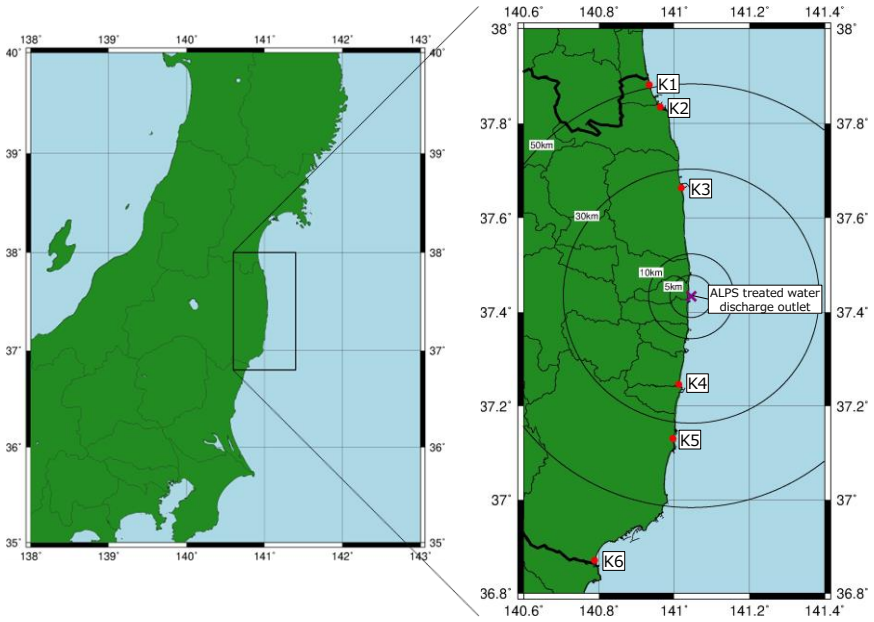

Fig. Sampling points of seawater

*"E-S" is omitted from labels in the map (e.g., E-SK1 is marked as K1).

K1：Tsurushihama beach

K2：Haragama Obama beach

K3：Kitaizumi beach

K4：Iwasawa beach

K5：Hisanohama Hattachi beach

K6：Nakoso beach