

Completion of the geological survey in ocean areas relevant to the deliberation of facilities for water treated with ALPS, etc. at the Fukushima Daiichi Nuclear Power Station

<Reference Material>
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- Based on the Japanese government's basic policy (decided in April 2021), TEPCO has been deliberating, in greater detail, the design and operation of facilities for handling water treated with ALPS, etc. to minimize adverse impacts on reputation while prioritizing safety. The status of these deliberations was made public on August 25, 2021.
- Taking into account the opinions of parties concerned, we will continue our deliberation of water intake and discharge facilities, which, under the current plan, will take in water from outside the harbor and pass it through an undersea tunnel to discharge the ALPS treated water 1km off the coast.
- In order to deliberate these facilities in further detail and ensure the safety of the project, a magnetic survey was conducted on November 27 in ocean areas from which geological data must be ascertained. The survey confirmed that there are no obstacles on the seabed in the aforementioned areas. Based on these results, we will commence a geological survey on or after December 1.

[Already announced on November 29, 2021]

- In the three target areas of the geological survey, geological samples were collected and tests to measure the rigidity of the ground were conducted sequentially from December 14; and the survey concluded on December 24.
- Going forward, the strength attributes and physical properties (specific gravity, particle size distribution, etc.) of the rock cores collected as geological samples will be examined to deliberate, in greater detail, water discharge facilities and ensure safety during construction.
- No significant fluctuations were seen during seawater monitoring implemented while the survey was being conducted.

Geological survey (marine boring survey) results

	Start of survey	Completion of survey	Preliminary Results
1,000m Offshore	12/19	12/20	Confirmation of predicted rock mass
700m Offshore	12/14	12/18	Confirmation of predicted rock mass
400m Offshore	12/21	12/24	Confirmation of predicted rock mass

(Reference) Seawater monitoring results during the geological survey (marine boring)

➤ Implementation overview

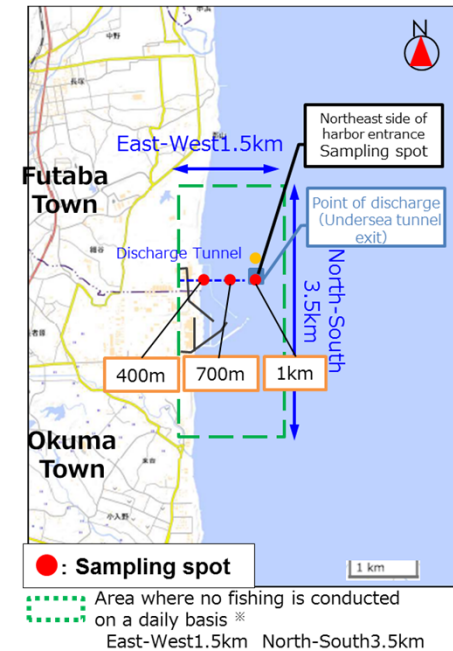
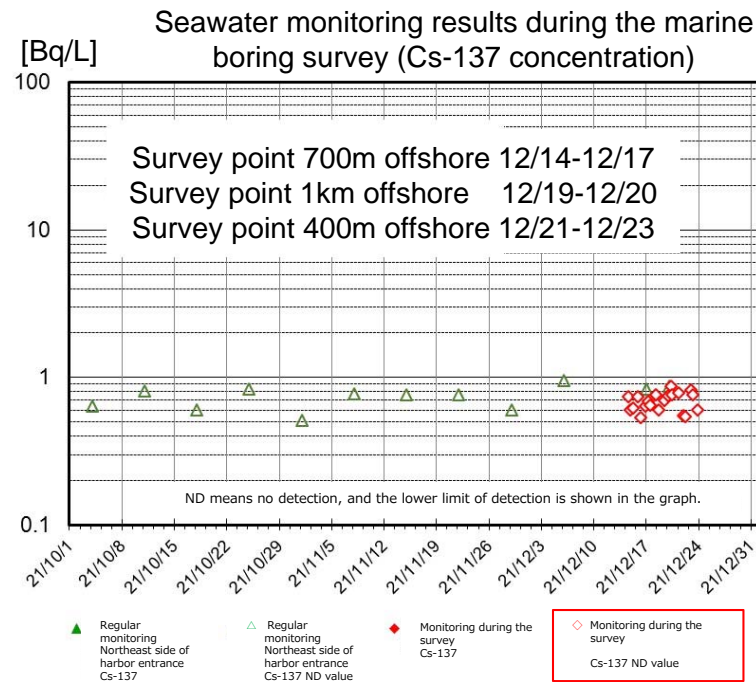
During the geological survey (marine boring), seawater was sampled from the target area before and after the start of the survey to check for any significant fluctuations in the concentration of cesium in seawater as a result of the survey.

➤ Details

From December 14 to December 23, the concentration of cesium in the seawater around the survey sites were monitored before and after the start of the survey.

➤ Results

The monitored concentrations were all below detectable limits, and no significant fluctuations were seen during the survey.



※Area where common fishing rights have not been set

(Reference) Photos of the geological survey (Marine boring survey)

