

Results of the purification performance test of subdrain water treatment facilities at Fukushima Daiichi Nuclear Power Station

Unit: Bq/L

	Before treatment	After treatment		<Reference> Operational targets for groundwater bypass	Notified*1 concentration limit values	WHO Guidelines for drinking-water quality
	TEPCO	TEPCO	Third party			
Sampling date	August 20, 2014	August 20, 2014	August 20, 2014			
Sampling time	16:30	16:10	16:10			
Cesium 134	57	ND(0.54)	Under measurement	1	60	10
Cesium 137	190	ND(0.46)		1	90	10
Other Gamma Nuclide	ND	ND		Not to be detected ^{*2}		
Grossβ	290	ND(0.83)		5(1) [*]		
Tritium	660	670		1,500	60,000	10,000

* Third party: KAKEN Co.,Ltd.

* "ND" indicates that the measurement result is below the detection limit, and the detection limit of each nuclide is provided in parentheses.

* The detection limit value for Grossβ of operational targets are defined as "Less than 1 Bq/L", when sampled once per approx. 10 days.

*1 Density limit by the announcement of Reactor Regulation: Specified in the rules for the safety and maintenance of nuclear reactor facilities and the protection of specialized nuclear fuel materials in TEPCO Fukushima Daiichi Nuclear Power Station.

*2 Other gamma nuclides (except naturally-occurring nuclides) must not be detected during the analysis Cs-134 and CS-137.