Analysis Results: Water after RO Treatment of Accumulated Water in Unit 5/6

【Sample】 Water after RO Treatment of Accumulated Water in Unit 5/6

【Results】

Unit：Bq/cm^3

		^{131}I	^{134}Cs	^{137}Cs	Other γ Nuclide	^{3}H	All α Nuclides	All β Nuclides	^{89}Sr,^{90}Sr
Date of Measurement		10/19	10/19	10/19	10/19	10/14	10/14	10/14	9/27
Water after RO Treatment	Radioactivity Concentration	ND	ND	ND	ND	2.6×10^{0}	ND	ND	ND
	Detection Limit	8.8×10^{-4}	1.3×10^{-3}	1.4×10^{-3}	—	1.0×10^{-1}	3.2×10^{-3}	2.1×10^{-2}	^{89}Sr:8.4×10^{-5} ^{90}Sr:4.8×10^{-5}
Standards for Bathing Area		3.0×10^{-2}	5.0×10^{-2} (Total of 2 Nuclides)						
(Reference) WHO Standards		1.0×10^{-2}	1.0×10^{-2}	1.0×10^{-2}	-	$1.0\times10^{+1}$	5.0×10^{-4}	1.0×10^{-3}	^{89}Sr:1×10^{-1} ^{90}Sr:1×10^{-2}

【Evaluation】

○ **The results are below the standards for bathing area.**

○ **Detection limit of all α nuclides and all β nuclides exceeds the WHO standards. However, it is assumed from the following reasons that the results are below the standards.**

- Since the grain size of α nuclide is large, it is assumed that it can be almost removed by RO.
- Detection limit of ^{89}Sr and ^{90}Sr that occupy the majority of all β nuclides is far below the standard for all β nuclides.

No. W1100185 001
2011/9/28

Tap Water Inspection Report

Tokyo Electric Power Company Fukushima Daiichi Nuclear Power Station

We repoted inspection result of requested samples as below;

Client	Tokyo Electric Power Company Fukushima Daiichi Nuclear Power Station				
Date of Sampling	2011/9/26	Sampling time	11:02	Sample name	Accumulated Water in Unit 5/6 (filtrate water)
Place of Sampling	Outdoor tank of Unit 5 and 6				
Sampling Person					
Weather Condition	Previous day Cloudy Sampling day Cloudy	Temperature at Sampling	ambient temperature 24.5℃ water temperature 21.0℃		

Inspection items	Unit	Inspection Result	Standard of water-purity	Inspection items	Unit	Inspection Result	Standard of water-purity
Viable bacterium	number /ml	* 1300	less than 100				
Bacillus coli	—	ND	ND				
Nitrate Nitrogen or Nitrite Nitrogen	mg/l	<0.1	less than 10				
Chloride ion	mg/l	21	less than 200				
organic substance (amount of IOC)	mg/l	0.6	less than 3				
pH	—	6.4 (22.3℃)	5.8～8.6				
Taste	—	unanalyzable	NP				
Odor	—	NP	NP				
Chromaticity	degree	<0.5	less than 5				
Turbidity	degree	<0.1	less than 2				
— The remainder of this table is intentionally left blank—							

Judgement	"*" indicates nonconformity for standard of water-purity		
Inspection Method	Health, Labour and Welfare Ministry Announcement, Number 261, 2003		
Inspection due date	from September 26 to 28, 2011		
Inspector		Responsible person of inspection	
Note	"＜" indicates under determination limit		