

Result of Analysis of Accumulated Water Treatment

September 9, 2011
Tokyo Electric Power Company

Treatment facility	Cesium absorption instrument (Kurion) and Decontamination apparatus (AREVA)
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	Before treatment	After treatment(1)	After treatment(2)
Sample	Highly Concentrated Contaminated Water (Accumulated Water) at Basement of Centralized RW	Treated Water at Cesium adsorption Instrument	Treated Water at Decontamination apparatus
Time and date of sample collection	2011/9/6 5:30 am	2011/9/6 5:30 am	2011/9/6 5:30 am
Place of sampling	Sampling Line at 3F of Centralized RW	Outlet of Cesium adsorption Instruments	Outlet of Coagulation Settling Facility

	Before treatment	After treatment(1)	After treatment(2)
Nuclide	Density of sample (Bq/cm ³)	Density of sample (Bq/cm ⁴)	Density of sample (Bq/cm ⁵)
I-131	ND (<9.1E+03)	ND (<3.8E+01)	ND (<9.0E-01)
Cs-134	9.4E+05	7.2E+03	3.5E+01
Cs-137	1.1E+06	8.2E+03	3.8E+01

DF*
-
2.7E+04
2.9E+04

. E - means . x 10 - .

*: DF (Decontamination Factor)= (Density of sample before treatment)/(Density of sample after treatment (2))

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Treatment facility	the 2nd cesium absorption facility (SARRY), System B
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Sample		Before treatment	After treatment
		High level contaminated water in HIT underground (accumulated water)	Treated water in the 2nd cesium absorption facility
Time and date of sample collection	System B	2011/9/6 5:30 am	2011/9/7 6:00 am
Place of sampling		Sampling line at the F-1(B) exit of the 2nd cesium absorption facility	Sampling line at the SIXM-5(B) exit of the 2nd cesium absorption facility

Nuclide		Before treatment	After treatment(2)
		Density of sample (Bq/cm ³)	Density of sample (Bq/cm ⁴)
System B	I-131	ND (< 4.8E+03)	ND (< 2.5E+00)
	Cs-134	5.6E+05	ND (< 3.3E+00)
	Cs-137	6.5E+05	ND (< 2.6E+00)

DF*	
	-
>	1.7E+05
>	2.5E+05

. E - means . x 10 - .

*: DF (Decontamination Factor)= (Density of sample before treatment)/(Density of sample after treatment)

The results of measureable limits after treatment are used for DFs for Cs-134 and Cs-137.

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Treatment Facility	Desalination instrument (RO)
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	Before Treatment	After Treatment
Sample	Water at the inlet of Desalination Instrument	Water at the inlet of Desalination Outstrument
Time and date of sample collection	2011/9/6 5:30 am	2011/9/6 5:30 am
Place of sampling	Sampling Line at the Inlet of RO Waste Liquid Tank	Sampling Line at the Outlet of RO Waste Liquid Tank

	Before Treatment	After Treatment
	Radioactivity Density of Sample (ppm)	Radioactivity Density of Sample (ppm)
Density of Chlorine	5200	20