

Accumulated water treatment analysis result sheet

November 7, 2011
Tokyo Electric Power Company

Treatment facility	Cesium adsorption apparatus (Kurion)
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	Before treatment	After treatment
sample	Centralized RW basement high contaminated water (accumulated water)	Cesium adsorption apparatus treated water
Time/date of sample	2011/11/1 6:20	2011/11/1 6:00
location of sample	Contralized RW3F sampling line	Cesium adsorption apparatus outlet

	Before treatment	After treatment (1)
Nuclide	Density of sample (Bq/cm ³)	Density of sample (Bq/cm ³)
I-131	ND (< 5.1E+03)	ND (< 1.2E+00)
Cs-134	6.0E+05	6.1E+01
Cs-137	7.2E+05	7.4E+01

DF*
-
9.8E+03
9.7E+03

. E- means . ×10-

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

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Treatment facility	2nd Cesium adsorption apparatus (SARRY)
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Sample		Before treatment	After treatment
		HTI basement high contaminated water (accumulated water)	2nd Cesium adsorption apparatus treated water
Time/date of sample	A	2011/10/31 17:00	2011/11/1 6:05
	B		2011/11/1 6:05
location of sample		HIT building 1st floor sampling line	2nd Cesium adsorption apparatus SIXM-5(A · B) outlet sampling line

Nuclide		Before treatment	After treatment(2)
		density of sample (Bq/cm ³)	density of sample (Bq/cm ³)
A	I-131	ND (< 4.5E+03)	ND (< 5.6E-01)
	Cs-134	3.6E+05	ND (< 7.8E-01)
	Cs-137	4.3E+05	ND (< 4.7E-01)
B	I-131	ND (< 4.5E+03)	ND (< 6.2E-01)
	Cs-134	3.6E+05	ND (< 8.1E-01)
	Cs-137	4.3E+05	ND (< 4.7E-01)

DF*
-
> 4.6E+05
> 9.1E+05
-
> 4.4E+05
> 9.1E+05

. E- means . ×10⁻

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

Detectable limit after treatment is used for Cs134 · Cs137 DF

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Treatment Facility	Desalination Apparatus (RO method)
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	Before treatment	After treatment
sample	water at desalination inlet	water at desalination outlet
Time/date of sample	2011/11/1 6:30	2011/11/1 6:35
location of sample	RO2waste water tank inlet sampling line	RO treated water transfer pump sampling line

	Before treatment	After treatment
	density of sample (ppm)	density of sample (ppm)
density of chlorine	3000	3

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Treatment Facility	Evaporative concentration apparatus (EVAPO)
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	Before treatment	After treatment
sample	water at Evaporative concentration apparatus inlet	water at Evaporative concentration apparatus outlet
Time/date of sample	2011/11/1 6:30	2011/11/1 6:40
location of sample	Concentrated waste liquid pump sampling line	Distillated water transfer pump sampling line

	Before treatment	After treatment
	density of sample (ppm)	density of sample (ppm)
density of chlorine	9000	2