Previous Data on the Radiation Level of Purified Water at Water Purification Plants of Tokyo Waterworks in March

The previous results on purified water from 2011/3/22 to 2011/3/31 are as follows.

1 Kanamachi Purification Plant (Edogawa River)

(Bq/kg)

Sampling Date	Radioactive Iodine (Iodine131)	Radioactive Cesium (Cesium134)	Radioactive Cesium (Cesium137)
2011/3/22	210 (Detection Limit 15)	ND (Detection Limit 17)	ND (Detection Limit 16)
2011/3/23	190 (Detection Limit 10)	ND (Detection Limit 12)	ND (Detection Limit 12)
2011/3/24	79 (Detection Limit 8)	ND (Detection Limit 9)	ND (Detection Limit 11)
2011/3/25	51 (Detection Limit 8)	ND (Detection Limit 9)	ND (Detection Limit 7)
2011/3/26	34 (Detection Limit 9)	ND (Detection Limit 8)	ND (Detection Limit 9)
2011/3/27	20 (Detection Limit 9)	ND (Detection Limit 9)	ND (Detection Limit 10)
2011/3/28	14 (Detection Limit 7)	ND (Detection Limit 8)	ND (Detection Limit 8)
2011/3/29	14 (Detection Limit 7)	ND (Detection Limit 10)	ND (Detection Limit 9)
2011/3/30	15 (Detection Limit 7)	ND (Detection Limit 9)	ND (Detection Limit 8)
2011/3/31	ND (Detection Limit 8)	ND (Detection Limit 9)	ND (Detection Limit 8)

※1 Sampling time：2011/3/22～3/23：9:00A.M. , 2011/3/24~：6:00 A.M.

※2 Testing institute：Tokyo Metropolitan Industrial Technology Research Institute

※3 ND (Not detectable)： “Detection Limit” refers to the minimum detectable value. Radioactivity has the property wherein even using the same measurement device, the minimum level varies with the sample being measured. For example, a result of “ND (Detection Limit 6)” at X Purification Plant on a specific date means that the minimum measurement for that day’s sample was 6 Bq/kg, but the concentration of radioactive particles in the sample was less than 6 Bq/kg. Cases such as this are listed in the above chart as “ND”.

※4 We had originally focused on quick announcements of radiation level of purified water. Under the condition with the radiation level remaining low, however, our focus has been shifted to both quick announcements and the precision of the measurement to indicate more precise lower values by extending the testing period, starting April 15th, 2011. With this shift, previously used “ND means less than 20Bq/kg” is now accompanied with lowest measurable value. The detailed values indicated for March 22th to March 31st, 2011 are reference values tested and officially informed by Tokyo Metropolitan Industrial Technology Research Institute.

2 Asaka Purification Plant (Arakawa River)

(Bq/kg)

Sampling Date	Radioactive Iodine (Iodine131)	Radioactive Cesium (Cesium134)	Radioactive Cesium (Cesium137)
2011/3/22	10 (Detection Limit 8)	ND (Detection Limit 10)	ND (Detection Limit 11)
2011/3/23	ND (Detection Limit 7)	ND (Detection Limit 10)	ND (Detection Limit 9)
2011/3/24	48 (Detection Limit 8)	ND (Detection Limit 9)	ND (Detection Limit 7)
2011/3/25	76 (Detection Limit 7)	ND (Detection Limit 9)	ND (Detection Limit 10)
2011/3/26	48 (Detection Limit 7)	ND (Detection Limit 6)	ND (Detection Limit 8)
2011/3/27	27 (Detection Limit 9)	ND (Detection Limit 9)	ND (Detection Limit 7)
2011/3/28	14 (Detection Limit 8)	ND (Detection Limit 11)	ND (Detection Limit 10)
2011/3/29	14 (Detection Limit 6)	ND (Detection Limit 7)	ND (Detection Limit 9)
2011/3/30	10 (Detection Limit 7)	ND (Detection Limit 7)	ND (Detection Limit 9)
2011/3/31	13 (Detection Limit 7)	ND (Detection Limit 9)	ND (Detection Limit 7)

※1 Sampling time：2011/3/22～3/23：9:00A.M. , 2011/3/24：8:10 A.M. , 2011/3/25～：6:00A.M.

※2 Testing institute：Tokyo Metropolitan Industrial Technology Research Institute

※3 ND (Not detectable)： “Detection Limit” refers to the minimum detectable value. Radioactivity has the property wherein even using the same measurement device, the minimum level varies with the sample being measured. For example, a result of “ND (Detection Limit 6)” at X Purification Plant on a specific date means that the minimum measurement for that day’s sample was 6 Bq/kg, but the concentration of radioactive particles in the sample was less than 6 Bq/kg. Cases such as this are listed in the above chart as “ND”.

※4 We had originally focused on quick announcements of radiation level of purified water. Under the condition with the radiation level remaining low, however, our focus has been shifted to both quick announcements and the precision of the measurement to indicate more precise lower values by extending the testing period, starting April 15th, 2011. With this shift, previously used “ND means less than 20Bq/kg” is now accompanied with lowest measurable value. The detailed values indicated for March 22th to March 31st, 2011 are reference values tested and officially informed by Tokyo Metropolitan Industrial Technology Research Institute.

3 Ozaku Purification Plant (Tamagawa River)

(Bq/kg)

Sampling Date	Radioactive Iodine (Iodine131)	Radioactive Cesium (Cesium134)	Radioactive Cesium (Cesium137)
2011/3/22	32 (Detection Limit 10)	ND (Detection Limit 12)	ND (Detection Limit 13)
2011/3/23	12 (Detection Limit 9)	ND (Detection Limit 14)	ND (Detection Limit 12)
2011/3/24	15 (Detection Limit 8)	ND (Detection Limit 8)	ND (Detection Limit 9)
2011/3/25	11 (Detection Limit 7)	ND (Detection Limit 7)	ND (Detection Limit 8)
2011/3/26	ND (Detection Limit 8)	ND (Detection Limit 9)	ND (Detection Limit 8)
2011/3/27	9 (Detection Limit 8)	ND (Detection Limit 9)	ND (Detection Limit 8)
2011/3/28	ND (Detection Limit 8)	ND (Detection Limit 8)	ND (Detection Limit 9)
2011/3/29	ND (Detection Limit 8)	ND (Detection Limit 10)	ND (Detection Limit 9)
2011/3/30	7 (Detection Limit 7)	ND (Detection Limit 7)	ND (Detection Limit 8)
2011/3/31	10 (Detection Limit 7)	ND (Detection Limit 8)	ND (Detection Limit 9)

※1 Sampling time：2011/3/22～3/23：9:00A.M. , 2011/3/24：7:00 A.M. , 2011/3/25～：6:00A.M.

※2 Testing institute：Tokyo Metropolitan Industrial Technology Research Institute

※3 ND (Not detectable)： “Detection Limit” refers to the minimum detectable value. Radioactivity has the property wherein even using the same measurement device, the minimum level varies with the sample being measured. For example, a result of “ND (Detection Limit 6)” at X Purification Plant on a specific date means that the minimum measurement for that day’s sample was 6 Bq/kg, but the concentration of radioactive particles in the sample was less than 6 Bq/kg. Cases such as this are listed in the above chart as “ND”.

※4 We had originally focused on quick announcements of radiation level of purified water. Under the condition with the radiation level remaining low, however, our focus has been shifted to both quick announcements and the precision of the measurement to indicate more precise lower values by extending the testing period, starting April 15th, 2011. With this shift, previously used “ND means less than 20Bq/kg” is now accompanied with lowest measurable value. The detailed values indicated for March 22th to March 31st, 2011 are reference values tested and officially informed by Tokyo Metropolitan Industrial Technology Research Institute.

【Reference】

(Bq/kg)

	Radioactive Iodine (Iodine 131)	Radioactive Cesium
Japanese provisional (emergency) criteria for infants	100	Not specified
Japan provisional (emergency) criteria for all except infants *1	300	200

*1 Criteria value related to radioactive elements ingestion from food and drink set by Nuclear Safety Commission