Revision of frequency of sampling collection and measurement and nuclide analysis plan

Reference
2011/6/27
Tokyo Electric Power Company

○Gamma ray radiation measure(1/3)

Content		sampling spot	Before	After	Note
Soil	1F	Playground (west-northwest approx. 500m)	2/week	1/week	Optimization of measurement frecuency (no change in sampling times (2/week)) ※1
	1F	Forest of wild birds (west approx. 500m)			
	1F	Adjacent to industrial waste disposal facility (south-southwest approx. 500m)			
Air	1F	West Gate of Fukushima Daiichi	1/day	1/day	Optimization of sampling and measuring times ※2
	2F	MP-1 of Fukushima Daini	2/day		
Underground water	1F	subdrain around Unit 1 turbine building	3/week	same as before	—
	1F	subdrain around Unit 2 turbine building			
	1F	subdrain around Unit 3 turbine building			
	1F	subdrain around Unit 4 turbine building			
	1F	subdrain around Unit 5 turbine building			
	1F	subdrain around Unit 6 turbine building			
	1F	Deep well			
	1F	subdrain northeast of Process Main Building	1/day	same as before	—
	1F	subdrain southeast part of Process Main Building			
	1F	subdrain south of Miscellaneous Solid Waste Volume Reduction Treatment Building			
	1F	subdrain southwest of On-site Bunker Building	1/week		
	1F	subdrain west of Incineration Workshop Building	1/day		
	1F	subdrain north of Miscellaneous Solid Waste Volume Reduction Treatment Building			
Seawater (inside port)	1F	Infront of Shallow Draft Quay	1/day	same as before	—
	1F	Inside north water intake canal of Unit 1-4			
	1F	Screen of Unit 1 (outside the silt fence)			
	1F	Screen of Unit 1 (inside the silt fence)			
	1F	Screen of Unit 2 (outside the silt fence)			
	1F	Screen of Unit 2 (inside the silt fence)			
	1F	Screen of Unit 3 (outside the silt fence)			
	1F	Screen of Unit 3 (inside the silt fence)			
	1F	Screen of Unit 4 (outside the silt fence)			
	1F	Screen of Unit 4 (inside the silt fence)			
	1F	Inside the south ofUnit 1-4 Water Intake Canal			

※1 Sampling is done twice a week. Measurement will be done only once. If there is a change in the density of radiation, we will also carry out the measurement for the other one.

※2 Change to measuring once a day from twice a day

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○Gamma ray radiation measure(2/3)

Content		sampling spot	Before	After	Note
Sea water (ouside port)	Coast	North of Discharge Channel of 5-6u of 1F	2/day	1/day	Optimization of sampling and measuring times ※2
		Around South Discharge Channel of 1F			
		Around North Discharge Channel of 2F	1/day		
		Around Iwasawa Shore of 2F			
	within 20km of periphery	3km offshore of Haramachi district	1/2days (sampled at upper and lower layer)	same as before	—
		3km offshore of Odaka district			
		3km offshore of Iwasawa coast			
		8km offshore of Odaka district			
		8km offshore of Iwasawa coast			
		15 km offshore of Ukedo-gawa			
		15 km offshore of Fukushima Daiichi			
		15 km offshore of Fukushima Daini			
	within 30km of periphery	15 km offshore of MinamiSouma City	2/week (sampled at upper and lower layer)	same as before	—
		15 km offshore of Iwasawa Shore			
		15 km offshore of Hirono-machi			
	outside 30km of periphery	North Iwaki Offshore 3km			
		Natsui-gawa Offshore 3km			
		Onahama Port Offshore 3km			
		Ena Offshore 3km			
		Numanouchi Offshore 3km			
		Toyoma Offshore 3km			
		3 km offshore of MinamiSouma City	1/day (sampled at upper and lower layer)	same as before	—
		5 km offshore of Souma City			
		5 km offshore of Kashima			
		5 km offshore of Numanouchi			
		15 km offshore of Numanouchi			
		30 km offshore of Numanouchi	1/week (sampled at upper, middle and lower layer)	same as before	—
		30 km offshore of MinamiSouma City			
		30 km offshore of Ukedo-gawa			

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○Gamma ray radiation measure(3/3)

Content		sampling spot	Before	After	Note
Seawater (outside port)	Offshore of Ibaraki prefecture	3 km offshore of Takadokobama shore	2/week (sampled at upper and lower layer)	same as before	—
		3 km offshore of Kujihama shore			
		3 km offshore of Oarai shore			
		3 km offshore of Hirai shore			
		3 km offshore of Hasaki shore			
	Offshore of Miyagi prefecture	Ishinomaki Bay	1/2weeks (sampled at upper, middle and lower layer)	same as before	Start from 25 June announced version
		Offshore of Kinkasan east			
		Offshore of Kinkasan south			
		Offshore of Shichigahama			
		Sendai Bay center			
		Offshore of Abukuma River			
Ocean soil	within 20km of periphery	3km offshore of Odaka district	1/mont	same as before	—
		3km offshore of Iwasawa coast			

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○Plutonium etc

Content		sampling spot	Before	After	Note
Soil	1F	Playground (west-northwest approx. 500m)	2/week (If Pu is detected, U,Am,Cm analysis is carried)	1/week (Only Pu)	Optimization of sampling and measuring times (no change in sampling times (2/week)) ※1
	1F	Forest of wild birds (west approx. 500m)			
	1F	Adjacent to industrial waste disposal facility (south-southwest approx. 500m)			
Air	1F	West Gate of Fukushima Daiichi	1/week	same as before	—
Underground water	1F	subdrain around Unit 2 turbine building	1/month	same as before	—
	1F	subdrain around Unit 5 turbine building	1/month	same as before	
Seawater (inside port)	1F	Inside north water intake canal of Unit 1-4	1/month	same as before	—
Sea water (ouside port)	Coast	North of Discharge Channel of 5-6u of 1F	1/month	same as before	—
		Around South Discharge Channel of 1F			
	within 20km of periphery	15 km offshore of Fukushima Daiichi	1/month (Upper layer)	same as before	—
		15 km offshore of Fukushima Daini			
Ocean soil	within 20km of periphery	3km offshore of Odaka district	1/3months (If Pu is detected, U,Am,Cm analysis is carried)	same as before	Start from 22 June announced version
		3km offshore of Iwasawa coast			

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○strontium

Content		sampling spot	Before	After	Note
Soil	1F	Playground (west-northwest approx. 500m)	1/month	same as before	—
	1F	Forest of wild birds (west approx. 500m)			
	1F	Adjacent to industrial waste disposal facility (south-southwest approx. 500m)			
Air	1F	West Gate of Fukushima Daiichi	1/month	same as before	—
Underground water	1F	subdrain around Unit 2 turbine building	1/month	same as before	—
	1F	subdrain around Unit 5 turbine building	1/month	same as before	
Seawater (inside port)	1F	Inside north water intake canal of Unit 1-4	1/month	same as before	—
Sea water (ouside port)	Coast	North of Discharge Channel of 5-6u of 1F	1/month	same as before	—
		Around South Discharge Channel of 1F			
	within 20km of periphery	15 km offshore of Fukushima Daiichi	1/month (Upper layer)	same as before	—
		15 km offshore of Fukushima Daini			
Ocean soil	within 20km of periphery	3km offshore of Odaka district	1/3 months	same as before	Start from 25 June announced version
		3km offshore of Iwasawa coast			

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○Tritium, all α, β radiation

Content		sampling spot	Before	After	Note
Underground water	1F	subdrain around Unit 2 turbine building	(Not measured)	1/month	Addition of measurement <※>
	1F	subdrain around Unit 5 turbine building			
Seawater (inside port)	1F	Inside north water intake canal of Unit 1-4	(Not measured)	1/month	Addition of measurement <※>
Sea water (ouside port)	Coast	North of Discharge Channel of 5-6u of 1F	(Not measured)	1/month	Addition of measurement <※>
		Around South Discharge Channel of 1F			
	within 20km of periphery	15 km offshore of Fukushima Daiichi	(Not measured)	1/month	Addition of measurement <※>
		15 km offshore of Fukushima Daini			

<※>Measurement of Tritium has already began from June 24