Current status of water of the lower permeable layer on the east side of the turbine building (sea side)

<Reference>
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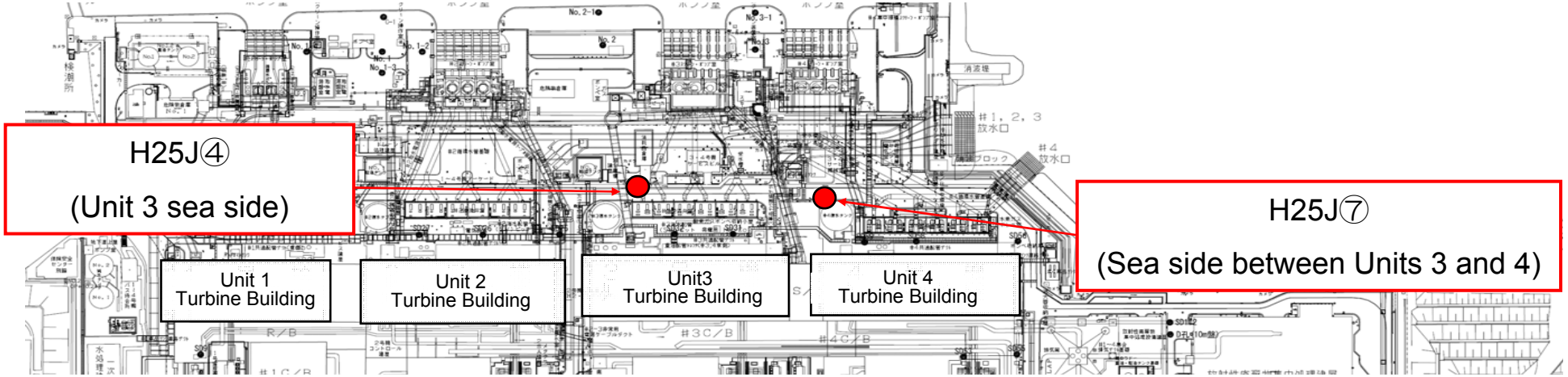
Tokyo Electric Power Company

○Samplings are conducted in new observation holes, for the purpose of checking the quality of water of the lower permeable layer (the second permeable layer) on the east of the turbine building.

○Radioactive material was found in the water sampled in the previous analysis, and the quality of water of the lower permeable layer is not clear yet. Therefore, several analyses will be conducted in the middle of January.

○The results of samplings are as follows.

[Sampling area: Groundwater of lower permeable layer (alternate layer)]



Results of water analysis of the lower permeable layer on the east side of the turbine building (sea side)

- ND stands for 'below the detection limit value' and the detection limit value shown in the round bracket.
- Under lined numbers are new and obtained in this analysis.

○ Analysis results [Unit for radioactive material density: Bq/L]

Area	Sampling point	Sampling date	Cs-134	Cs-137	Gross β	H-3	Sr-90	Sampling method
Sea side at Unit 3 H25J④	Lower permeable layer (Alternate layer)	Nov. 13, 2013	ND (0.4)	ND (0.5)	ND (12)	ND (120)	0.29*1	Pump
Sea side between Units 3 and 4 H25J⑦	Lower permeable layer (Alternate layer)	Dec. 3, 2013*2	ND (0.4)	0.7	ND (13)	780	**1.9**	Pump
		Dec., 10, 2013*3	2.7	6.7	89	ND (110)	**60**	Manual handling with water sampler
			Analysis conducted, after removing participles like dust causing muddiness			—	—	
			1.6	2.8	67			
		Dec. 18, 2013	3.7	9.0	62	ND (130)	—	
	Upper permeable layer (Medium-grained sand stone layer)	Nov. 18, 2013	ND (0.4)	1.1	42	ND (130)	Under analysis (Coming in January)	Pump

*1 The monitoring will be continued at H25J④ because Sr-90 was found here.

*2 On the sampling on December 3, the turbidity level did not meet the minimal required value. The sampling was continued on the condition, but radioactive materials were detected.

*3 On December 10, the sampling was conducted again with a method to lower the turbidity level, however the turbidity did not meet the minimal required level. We conducted samplings again after filtering the sampling water obtained on December 10, but radioactive materials were detected from both samplings.