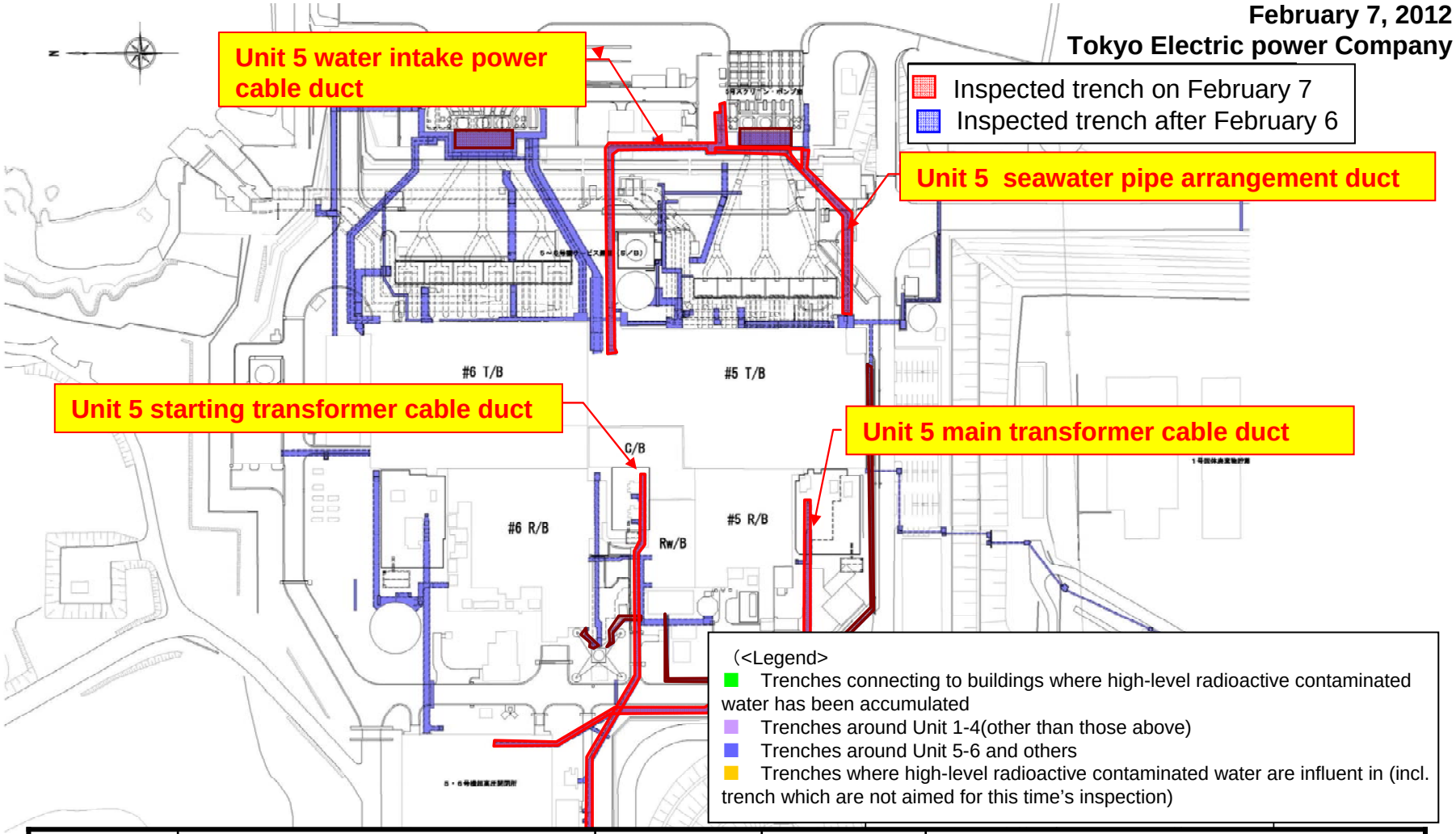
Inspection Status of Trench, etc. at Fukushima Daiichi Nuclear Power Station (Preliminary Result, February 7, 2012)

February 7, 2012
Tokyo Electric power Company



Date of inspection	Place	Puddle	Surface dose rate	Result of nuclide analysis (Bq/cm³)		
				I－131	Cs－134	Cs－137
February 7	Unit 5 water intake power cable duct	Discovered	Approx. 8.0μSv/h	ND	1.4×10^{-1}	2.0×10^{-1}
	Unit 5 seawater pipe arrangement duct	Discovered	Approx. 8.0μSv/h	ND	8.2×10^{-2}	1.1×10^{-1}
	Unit 5 main transformer cable duct	Discovered	Approx. 10μSv/h	ND	7.3×10^{-2}	1.3×10^{-1}
	Unit 5 starting transformer cable duct	Discovered	Approx. 8.0μSv/h	ND	2.0×10^{-1}	2.9×10^{-1}

Inspection Status View of Trench, etc. at Fukushima Daiichi Nuclear Power Station

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【Inspection area 1】

Fukushima Daiichi Nuclear Power Station Unit 1-4, trenches etc.
connected to the centralized radiation waste treatment facility building

Inspection date	Place	Puddle	Surface dose rate (μSv/h)	Nuclide analysis results (Bq/cm3)		
				I-131	Cs-134	Cs-137
1／11	Inside DG connecting duct of Unit 2-4	Existing	9.0	ND	1.9×10^{0}	2.6×10^{0}
	Inside connecting duct of water treatment building and Unit 1 T/B	Existing	1.5	ND	8.8×10^{-1}	1.3×10^{0}
1／12	Inside Unit 1 chemical tank connecting tank	Existing	1.2	ND	2.4×10^{0}	3.5×10^{0}
	Inside Unit 3 cable duct for start-up transformer	Existing	1.6	ND	4.9×10^{1}	6.9×10^{1}
	Inside Unit 3 radioactive fluid piping duct	Not found	—	—	—	—
1／13	Inside Unit 1 radioactive fluid piping duct	Existing	9.0	ND	1.4×10^{0}	1.9×10^{0}
	Inside Unit 4 radioactive fluid piping duct	Existing	2.5	ND	2.2×10^{1}	2.8×10^{1}
1／16	Inside Unit 1 intake power cable duct	Existing	5.5	ND	2.3×10^{0}	3.2×10^{0}
1／17	Inside Unit 1 reserve power cable duct	Existing	10	ND	5.4×10^{-1}	8.0×10^{-1}
	Inside Unit 2 radioactive fluid piping duct	Not found	—	—	—	—
	Inside Unit 3 chemical tank connecting tank	Not found	—	—	—	—
	Inside Unit 4 chemical tank connecting tank	Existing	3.0	ND	1.3×10^{0}	1.7×10^{0}
1／18	Inside Unit 1sea water piping tunnel	Existing	1.3	ND	2.9×10^{-1}	4.4×10^{-1}
	Inside Unit 1 common piping duct	Existing	1.0	ND	1.0×10^{1}	1.5×10^{1}
	Inside Unit 1 control cable duct	Existing	4.5	ND	4.8×10^{-1}	7.1×10^{-1}
	Inside Unit 4 sea water piping duct	Not found	—	—	—	—
1／19	Inside Unit 2 common piping duct	Not found	—	—	—	—
	Inside Unit 2 pump room circulation pump discharge valve pit	Existing	45	ND	7.1×10^{3}	9.1×10^{3}
	Inside Unit 3 pump room circulation pump discharge valve pit	Existing	21	ND	3.8×10^{2}	4.8×10^{2}
	Inside Common piping duct of Centralized Radiation Treatment Facility waste system	Existing	5.0	ND	7.3×10^{-1}	9.4×10^{-1}
1／20	Inside Unit 3 Off-gas piping duct	Existing	4.0	ND	3.1×10^{1}	4.1×10^{1}
1／31	Inside discharge valve pit of cyclic water pump in the Unit 4 pump room※	Existing	1.3	ND	4.5×10^{0}	6.3×10^{0}

※re-inspected due to an error in the sampling point

【Inspection area 2】

Fukushima Daiichi Nuclear Power Station trenches etc.
around Unit 1-4 building (Excluding trenches of Area 1 etc)

Inspection date	Place	Puddle	Surface dose rate (μSv/h)	Nuclide analysis results (Bq/cm3)		
				I-131	Cs-134	Cs-137
1／24	Inside Connection trench between boiler room and electric equipment room of Unit 1	Existing	1.0	ND	7.9×10^{-1}	1.0×10^{0}
	Inside Unit 3-4 heavy oil pipe trench	Not found	—	—	—	—
	Inside Unit 4 main transformer cable duct	Existing	1.0	ND	7.5×10^{-1}	1.0×10^{0}
1／25	Inside Unit 1 Waste liquid Surge tank connection duct	Existing	2.0	ND	1.2×10^{1}	1.5×10^{1}
	Inside Unit 1 Main transformer connection duct	Existing	2.0	ND	1.5×10^{0}	2.3×10^{0}
	Inside extinguishing piping trench	Existing	4.0	ND	ND	1.0×10^{-1}
1／26	Inside Unit 1 Off-gas piping duct	Existing	3.0	ND	5.5×10^{-1}	8.9×10^{-1}
	Inside Unit 1 Activated coal holdup duct	Existing	1.8	ND	1.6×10^{-1}	2.7×10^{-1}
	Inside Unit 2 Main transformer cable duct	Existing	1.2	ND	8.1×10^{-1}	1.1×10^{0}
	Inside Unit 2 Waste liquid surge-tank connection duct	Not found	—	—	—	—
	Inside Unit 2 and 3 Common boiler trench	Not found	—	—	—	—
	Inside Unit 3 Main transformer cable duct	Existing	1.8	ND	1.4×10^{0}	1.8×10^{0}
1／30	Inside Unit 2 Main transformer emergency trench	Existing	9.5	ND	2.1×10^{0}	3.0×10^{0}
1／31	Inside Unit 1 activating transformer cable duct	Existing	1.3	ND	2.2×10^{0}	3.0×10^{0}
	Inside the trench of the north side of the former main office building	Not found	—	—	—	—

【Inspection area 3】 Around Unit 5 and 6 building and other trenches etc.

Inspection date	Place	Puddle	Surface dose rate (μSv/h)	Nuclide analysis results (Bq/cm3)		
				I-131	Cs-134	Cs-137
2/6	Inside discharge valve pit of cyclic water pump in the Unit 5 pump room	Existing	5.0	ND	1.0×10^{-1}	1.6×10^{-1}
	Inside discharge valve pit of cyclic water pump in the Unit 6 pump room	Existing	4.0	ND	1.1×10^{-1}	1.4×10^{-1}
	Inside pipe arrangement duct of offgas of Unit 5	Not found	—	—	—	—
	Inside pipe arrangement duct of offgas of Unit 6	Existing	1.0	ND	1.2×10^{-1}	1.9×10^{-1}
	Inside pipe arrangement trench of heavy oil (southwest side of Unit 5)	Not found	—	—	—	—