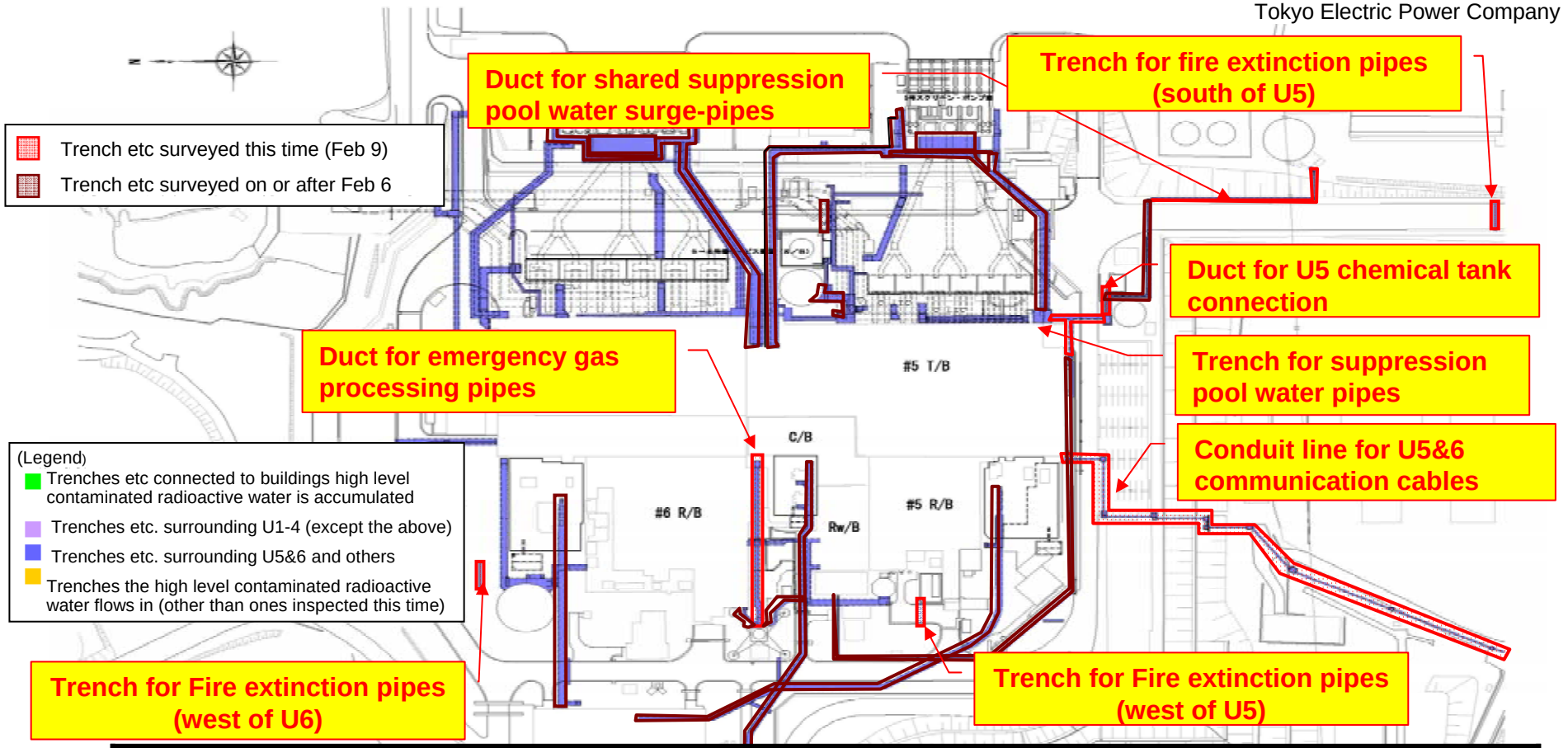
Survey Status of Trenches etc. at Fukushima Daiichi Nuclear Power Station (Preliminary Report on February 9, 2012)

February 9, 2012
Tokyo Electric Power Company



Surveyed on	Place	Accumulated water	Dose rate at the surface of vessels containing samples	Nuclide analysis results (Bq/cm^3)		
				I－131	Cs－134	Cs－137
Feb 9	In conduit line for U5&6 communication cables	Yes	Approx. 4.0μSv/h	ND	ND	7.2×10^{-2}
	In duct for emergency gas processing pipes	Yes	Approx. 1.0μSv/h	ND	4.6×10^{-1}	6.7×10^{-1}
	In duct for U5 chemical tank connection	No	－	－	－	－
	In trench for suppression pool water-pipes	No	－	－	－	－
	In duct for shared suppression pool water surge-pipes	No	－	－	－	－
	In trench for Fire extinction pipes (west of U5)	No	－	－	－	－
	In trench for Fire extinction pipes (west of U6)	No	－	－	－	－
	In trench for Fire extinction pipes (south of U5)	No	－	－	－	－

Survey Status of Trenches etc. at Fukushima Daiichi Nuclear Power Station (Preliminary Report on February 9, 2012)

February 9, 2012
Tokyo Electric Power Company

【Survey area ①】 Trenches connected to Buildings of U1-4, Centralized Radioactive Waste Treatment Facilities

Surveyed on	Place	Accumulated water	Dose rate at the surface of vessels containing samples (μSv/h)	Nuclide analysis results (Bq/cm³)		
				I-131	Cs-134	Cs-137
1／11	In duct connecting U2 to 4 DG	Yes	9.0	ND	1.9×10^{0}	2.6×10^{0}
	In duct connecting water treatment building to U1 T/B	Yes	1.5	ND	8.8×10^{-1}	1.3×10^{0}
1／12	In U1 chemical tank connection duct	Yes	1.2	ND	2.4×10^{0}	3.5×10^{0}
	In duct for U3 start-up transformer cables	Yes	1.6	ND	4.9×10^{1}	6.9×10^{1}
	In duct for U3 radioactive liquid pipes	No	—	—	—	—
1／13	In duct for U1 radioactive liquid pipes	Yes	9.0	ND	1.4×10^{0}	1.9×10^{0}
	In duct for U4 radioactive liquid pipes	Yes	2.5	ND	2.2×10^{1}	2.8×10^{1}
1／16	In duct for U1 intake power cables	Yes	5.5	ND	2.3×10^{0}	3.2×10^{0}
1／17	In duct for U1 backup power cables	Yes	10	ND	5.4×10^{-1}	8.0×10^{-1}
	In duct for U2 radioactive liquid pipes	No	—	—	—	—
	In U3 chemical tank connection duct	No	—	—	—	—
	In U4 chemical tank connection duct	Yes	3.0	ND	1.3×10^{0}	1.7×10^{0}
1／18	In tunnel for U1 seawater pipes	Yes	1.3	ND	2.9×10^{-1}	4.4×10^{-1}
	In duct for U1 common piles	Yes	1.0	ND	1.0×10^{1}	1.5×10^{1}
	IN duct for U1 control cables	Yes	4.5	ND	4.8×10^{-1}	7.1×10^{-1}
	In tunnel for U4 seawater pipes	No	—	—	—	—
1／19	In tunnel for U2 seawater pipes	No	—	—	—	—
	In circular pump discharge valve pit for in U2 pump room	Yes	45	ND	7.1×10^{3}	9.1×10^{3}
	In circular pump discharge valve pit for in U3 pump room	Yes	21	ND	3.8×10^{2}	4.8×10^{2}
	In duct for common pipes for wastes of Centralized environment Facilities	Yes	5.0	ND	7.3×10^{-1}	9.4×10^{-1}
1／20	In duct for U3 off gas pipes	Yes	4.0	ND	3.1×10^{1}	4.1×10^{1}
1／31	In circular pump discharge valve pit for in U4 pump room*	Yes	1.3	ND	4.5×10^{0}	6.3×10^{0}

* Surveyed again since the sampling spot was not correct.

【Survey area ②】 Trenches etc. surrounding U1-4 (except trenches etc in area ①)

Surveyed on	Place	Accumulated water	Dose rate at the surface of vessels containing samples (μSv/h)	Nuclide analysis results (Bq/cm³)		
				I-131	Cs-134	Cs-137
1／24	In trench connecting U1 boiler room and electricity room	Yes	1.0	ND	7.9×10^{-1}	1.0×10^{0}
	In trench U3&4 Oil pipes	No	—	—	—	—
	In duct for U4 main transformer cables	Yes	1.0	ND	7.5×10^{-1}	1.0×10^{0}
1／25	In connection duct for U1 water surge tank	Yes	2.0	ND	1.2×10^{1}	1.5×10^{1}
	In duct for U1 main transformer cables	Yes	2.0	ND	1.5×10^{0}	2.3×10^{0}
	In trench for fire extinction pipes	Yes	4.0	ND	ND	1.0×10^{-1}
1／26	In duct for U1 off gas pipes	Yes	3.0	ND	5.5×10^{-1}	8.9×10^{-1}
	In duct for holding up activated charcoal, U1	Yes	1.8	ND	1.6×10^{-1}	2.7×10^{-1}
	In duct for U2 main transformer cables	Yes	1.2	ND	8.1×10^{-1}	1.1×10^{0}
	In connection duct for U2 water surge tank	No	—	—	—	—
	In trench for in house common boiler for U2&3	No	—	—	—	—
	In duct for U3 main transformer cables	Yes	1.8	ND	1.4×10^{0}	1.8×10^{0}
1／30	In trench for U2 transformer fire prevention	Yes	9.5	ND	2.1×10^{0}	3.0×10^{0}
1／31	In duct for U1 start-up transformer cables	Yes	1.3	ND	2.2×10^{0}	3.0×10^{0}
	In trench to the north of former admn. building	No	—	—	—	—

【Survey area ③】 Trenches etc. surrounding U5&6 and others

Surveyed on	Place	Accumulated water	Dose rate at the surface of vessels containing samples (μSv/h)	Nuclide analysis results (Bq/cm³)		
				I-131	Cs-134	Cs-137
2/6	In circular pump discharge valve pit for in U5 pump room	Yes	5.0	ND	1.0×10^{-1}	1.6×10^{-1}
	In circular pump discharge valve pit for in U6 pump room	Yes	4.0	ND	1.1×10^{-1}	1.4×10^{-1}
	In duct for U5 off gas pipes	No	—	—	—	—
	In duct for U6 off gas pipes	Yes	1.0	ND	1.2×10^{-1}	1.9×10^{-1}
	In oil pipe trench (southeast of U5)	No	—	—	—	—
2/7	In duct for U5 intake power cables	Yes	8.0	ND	1.4×10^{-1}	2.0×10^{-1}
	In tunnel for U5 seawater pipes	Yes	8.0	ND	8.2×10^{-2}	1.1×10^{-1}
	In duct for U5 main transformer cables	Yes	10	ND	7.3×10^{-2}	1.3×10^{-1}
	In duct for U5 start-up transformer cables	Yes	8.0	ND	2.0×10^{-1}	2.9×10^{-1}
2/8	In duct for U6 intake power cables	Yes	3.0	ND	1.0×10^{-1}	8.3×10^{-2}
	In trench for U5&6 storm drain pipes	Yes	4.0	ND	1.7×10^{-1}	2.5×10^{-1}
	In duct for U5 radioactive liquid pipes	Yes	3.0	ND	8.0×10^{-2}	1.3×10^{-1}
	In trench for east of U5 heavy oil pipes	Yes	4.0	ND	2.0×10^{-1}	2.8×10^{-1}
	In duct for U6 main transformer cables	Yes	3.0	ND	2.8×10^{-1}	4.3×10^{-1}