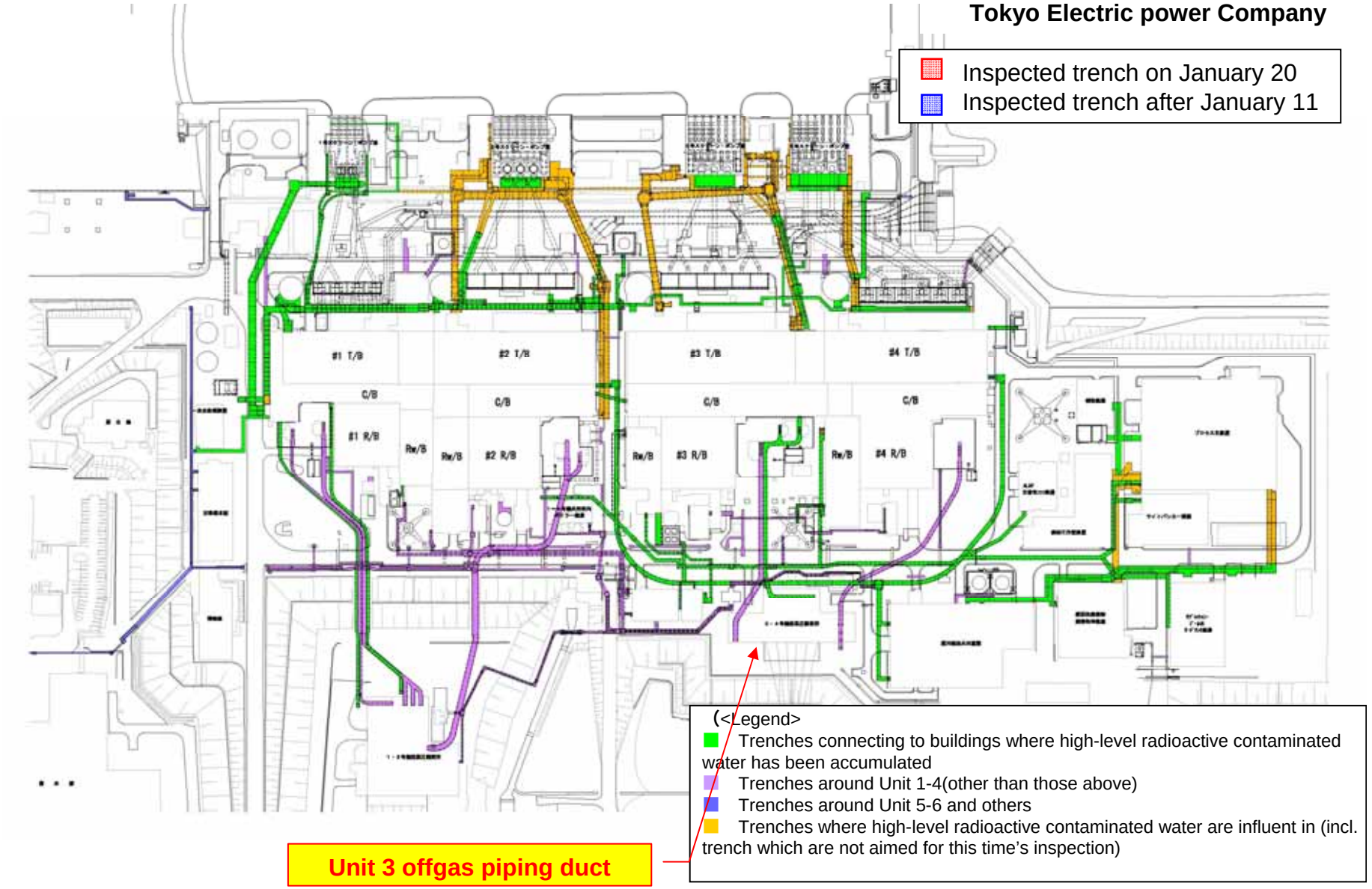
Inspection Status of Trench, etc. at Fukushima Daiichi Nuclear Power Station (Preliminary Result, January 20, 2012)

January 20, 2012
Tokyo Electric power Company



Inspection Status of Trench, etc. at Fukushima Daiichi Nuclear Power Station
(Preliminary Report on Result of Investigation of Offgas Piping Duct)

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【Result】
We found puddles in today's inspection.

【 Date 】
Around 9:55 am, on January 20, 2012

【 Place 】
Offgas Piping Duct of Unit 3

【 Amount of the puddle 】
Under estimation

【 Surface dose rate of the container of the collected water 】
Approx 0.04mSv/h （Approx 4μSv/h）

【 Nuclide analysis results 】
The nuclide analysis results of the collected water are as follows.

Nuclide	Radioactivity Concentration (Bq/cm3)	Measurable Limits (Bq/cm3)	Half-life
I-131	ND	$1.7X10^{-1}$	Around 8 days
Cs-134	$3.1X10^{1}$	$1.7X10^{-1}$	Around 2 years
Cs-137	$4.1X10^{1}$	$1.5X10^{-1}$	Around 30 years

List of Preliminary Report on Results of Investigation of Trench, etc. at Fukushima Daiichi Nuclear Power Station

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【 Inspection area 】

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

Date of Inspection	Place	Puddle	Surface dose rate	Result of nuclide analysis（Bq/cm^3）		
				I-131	Cs-134	Cs-137
Jan. 11	DG connecting duct of Unit 2-4	Discovered	9.0μSv/h	ND	1.9×10^{0}	2.6×10^{0}
	Connecting duct between water treatment building – Unit 1 T/B	Discovered	1.5μSv/h	ND	8.8×10^{-1}	1.3×10^{0}
Jan. 12	Unit 1 chemical tank connecting duct	Discovered	1.2μSv/h	ND	2.4×10^{0}	3.5×10^{0}
	Unit 3 cable duct for start-up transformer	Discovered	1.6μSv/h	ND	4.9×10^{1}	6.9×10^{1}
	Unit 3 Radioactive Fluid Piping Duct	Not discovered	—	—	—	—
Jan. 13	Unit 1 Radioactive Fluid Piping Duct	Discovered	9.0μSv/h	ND	1.4×10^{0}	1.9×10^{0}
	Unit 4 Radioactive Fluid Piping Duct	Discovered	2.5μSv/h	ND	2.2×10^{1}	2.8×10^{1}
Jan. 16	Unit 1 Water Intake Power Cable Duct	Discovered	5.5μSv/h	ND	2.3×10^{0}	3.2×10^{0}
Jan. 17	Unit 1 Standby Power Cable Duct	Discovered	10 μSv/h	ND	5.4×10^{-1}	8.0×10^{-1}
	Unit 2 Radioactive Fluid Piping Duct	Not discovered	—	—	—	—
	Unit 3 Chemical Tank Connection Duct	Not discovered	—	—	—	—
	Unit 4 Chemical Tank Connecting Duct	Discovered	3.0 μ3Sv/h	ND	1.3×10^{0}	1.7×10^{0}
Jan. 18	Unit 1 Seawater Piping Tunnel	Discovered	1.3 μ Sv/h	ND	2.9×10^{-1}	4.4×10^{-1}
	Unit 1 Common Piping Duct	Discovered	1.0 μ Sv/h	ND	1.0×10^{1}	1.5×10^{1}
	Unit 1 Control Cable Duct	Discovered	4.5 μ Sv/h	ND	4.8×10^{-1}	7.1×10^{-1}
	Unit 4 Seawater Piping Duct	Not discovered	—	—	—	—

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【 Inspection area 】

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

Date of Inspection	Place	Puddle	Surface dose rate	Result of nuclide analysis（Bq/cm^3）		
				I-131	Cs-134	Cs-137
Jan. 19	Unit 2 Common Piping Duct	Not Discovered	—	—	—	—
	Unit 2 Discharge Valve Pit of Circulating Water Pump in the Pump Room	Discovered	45 μ Sv/h	ND	7.1×10^{3}	9.1×10^{3}
	Unit 3 Discharge Valve Pit of Circulating Water Pump in the Pump Room	Discovered	21 μ Sv/h	ND	3.8×10^{2}	4.8×10^{2}
	Unit 4 Discharge Valve Pit of Circulating Water Pump in the Pump Room	Discovered	15 μ Sv/h	ND	9.1×10^{0}	1.2×10^{1}
	Common Piping Duct of Centralized Radiation Waste Treatment Facility	Discovered	5 μ Sv/h	ND	7.3×10^{-1}	9.4×10^{-1}