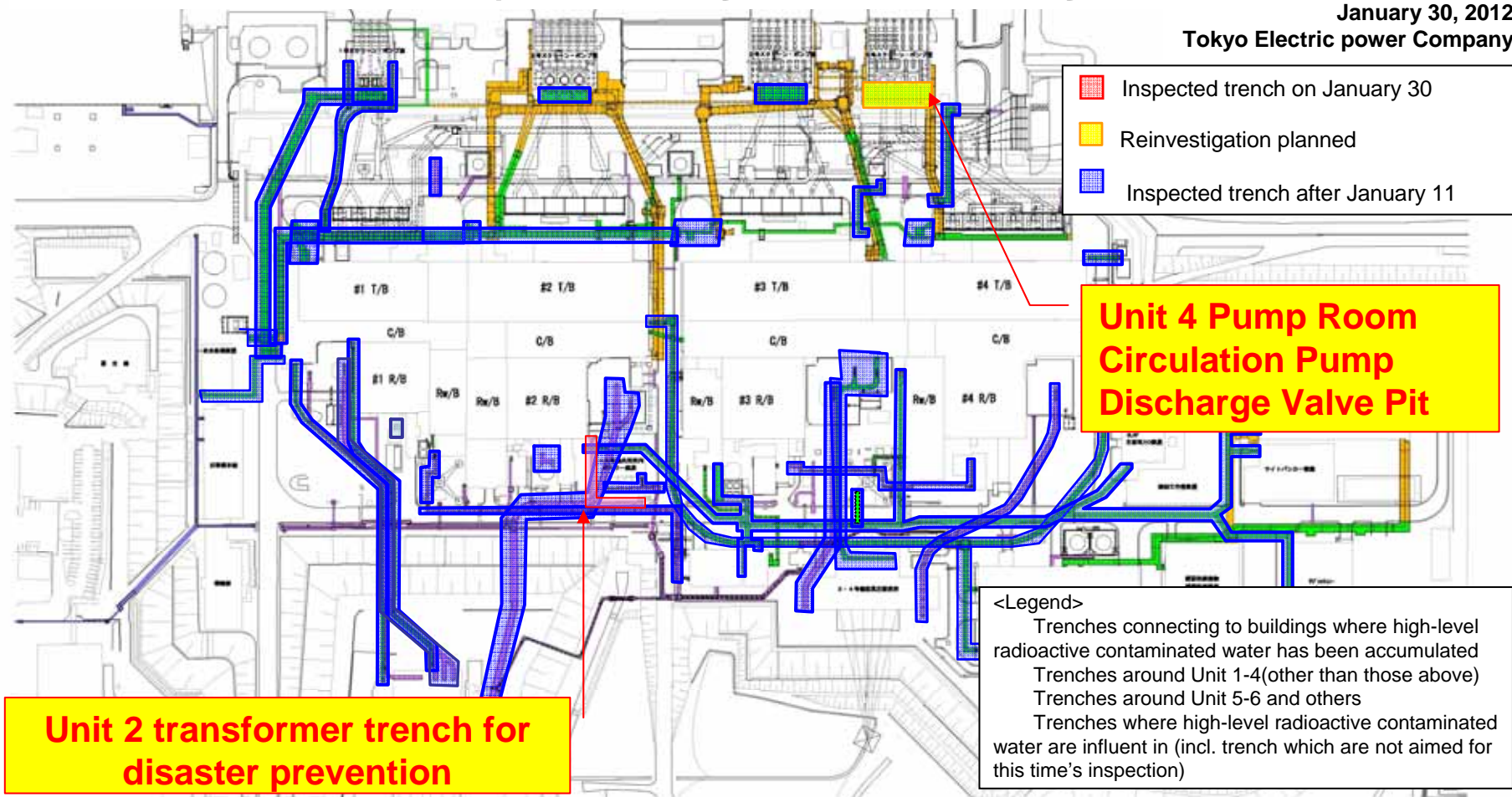


# Inspection Status of Trench, etc. at Fukushima Daiichi Nuclear Power Station (Preliminary Result, January 30, 2012)

January 30, 2012  
Tokyo Electric power Company



**Unit 2 transformer trench for disaster prevention**

**Unit 4 Pump Room Circulation Pump Discharge Valve Pit**

<Legend>  
 Trenches connecting to buildings where high-level radioactive contaminated water has been accumulated  
 Trenches around Unit 1-4 (other than those above)  
 Trenches around Unit 5-6 and others  
 Trenches where high-level radioactive contaminated water are influent in (incl. trench which are not aimed for this time's inspection)

Date of inspection	Place	Puddle	Surface dose rate	Result of nuclide analysis ( Bq/cm <sup>3</sup> )		
				I - 131	C s - 134	C s - 137
Jan. 30	Unit 2 transformer trench for disaster prevention	Discovered	Approx. 9.5 μSv/h	ND	2.1 × 10 <sup>0</sup>	3.0 × 10 <sup>0</sup>

# Inspection Result of Trench, etc. at Fukushima Daiichi Nuclear Power Station

January 30, 2012

Tokyo Electric power Company

[Inspection Area 1]

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

[Inspection area 2]

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

Date of Inspection	Place	Puddle	Surface dose rate	Result of nuclide analysis ( Bq/cm <sup>3</sup> )		
				I-131	Cs-134	Cs-137
1 / 11	DG connecting duct of Unit 2-4	Discovered	9.0	ND	1.9 × 10 <sup>0</sup>	2.6 × 10 <sup>0</sup>
	Connecting duct between water treatment building – Unit 1 T/B	Discovered	1.5	ND	8.8 × 10 <sup>-1</sup>	1.3 × 10 <sup>0</sup>
1 / 12	Unit 1 chemical tank connecting duct	Discovered	1.2	ND	2.4 × 10 <sup>0</sup>	3.5 × 10 <sup>0</sup>
	Unit 3 cable duct for start-up transformer	Discovered	1.6	ND	4.9 × 10 <sup>1</sup>	6.9 × 10 <sup>1</sup>
	Unit 3 Radioactive Fluid Piping Duct	Not discovered	-	-	-	-
1 / 13	Unit 1 Radioactive Fluid Piping Duct	Discovered	9.0	ND	1.4 × 10 <sup>0</sup>	1.9 × 10 <sup>0</sup>
	Unit 4 Radioactive Fluid Piping Duct	Discovered	2.5	ND	2.2 × 10 <sup>1</sup>	2.8 × 10 <sup>1</sup>
1 / 16	Unit 1 Water Intake Power Cable Duct	Discovered	5.5	ND	2.3 × 10 <sup>0</sup>	3.2 × 10 <sup>0</sup>
1 / 17	Unit 1 Standby Power Cable Duct	Discovered	10	ND	5.4 × 10 <sup>-1</sup>	8.0 × 10 <sup>-1</sup>
	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	ND	1.3 × 10 <sup>0</sup>	1.7 × 10 <sup>0</sup>
1 / 18	Unit 1 Seawater Piping Tunnel	Discovered	1.3	ND	2.9 × 10 <sup>-1</sup>	4.4 × 10 <sup>-1</sup>
	Unit 1 Common Piping Duct	Discovered	1.0	ND	1.0 × 10 <sup>1</sup>	1.5 × 10 <sup>1</sup>
	Unit 1 Control Cable Duct	Discovered	4.5	ND	4.8 × 10 <sup>-1</sup>	7.1 × 10 <sup>-1</sup>
	Unit 4 Seawater Piping Duct	Not discovered	-	-	-	-
1 / 19	Unit 2 Common Piping Duct	Not discovered	-	-	-	-
	Unit 2 Pump Room Circulation Pump Discharge Valve Pit	Discovered	45	ND	7.1 × 10 <sup>3</sup>	9.1 × 10 <sup>3</sup>
	Unit 3 Pump Room Circulation Pump Discharge Valve Pit	Discovered	21	ND	3.8 × 10 <sup>2</sup>	4.8 × 10 <sup>2</sup>
	Unit 4 Pump Room Circulation Pump Discharge Valve Pit	Discovered	15	ND	9.1 × 10 <sup>0</sup>	1.2 × 10 <sup>1</sup>
	Centralized Radiation Waste Treatment Facility Building Common Piping Duct	Discovered	5.0	ND	7.3 × 10 <sup>-1</sup>	9.4 × 10 <sup>-1</sup>
1 / 20	Unit 3 Off gas Piping Duct	Discovered	4.0	ND	3.1 × 10 <sup>1</sup>	4.1 × 10 <sup>1</sup>

Date of Inspection	Place	Puddle	Surface dose rate	Result of nuclide analysis ( Bq/cm <sup>3</sup> )		
				I-131	Cs-134	Cs-137
1 / 24	Connection trench between boiler room and electric equipment room of Unit 1	Discovered	1.0	ND	7.9 × 10 <sup>-1</sup>	1.0 × 10 <sup>0</sup>
	Unit 3-4 heavy oil pipe trench	Not discovered	-	-	-	-
	Unit 4 main transformer cable duct	Discovered	1.0	ND	7.5 × 10 <sup>-1</sup>	1.0 × 10 <sup>0</sup>
1 / 25	Unit 1, Waste liquid Surge tank connection duct	Discovered	2.0	ND	1.2 × 10 <sup>1</sup>	1.5 × 10 <sup>1</sup>
	Unit 1, Main transformer connection duct	Discovered	2.0	ND	1.5 × 10 <sup>0</sup>	2.3 × 10 <sup>0</sup>
	Extinguishing piping trench	Discovered	4.0	ND	ND	1.0 × 10 <sup>-1</sup>
1 / 26	Unit 1, Off-gas piping duct	Discovered	3.0	ND	5.5 × 10 <sup>-1</sup>	8.9 × 10 <sup>-1</sup>
	Unit 1, Activated coal holdup duct	Discovered	1.8	ND	1.6 × 10 <sup>-1</sup>	2.7 × 10 <sup>-1</sup>
	Unit 2, Main transformer cable duct	Discovered	1.2	ND	8.1 × 10 <sup>-1</sup>	1.1 × 10 <sup>0</sup>
	Unit 2, Waste liquid surge-tank connection duct	Not discovered				
	Unit 2 and 3, Common boiler trench	Not discovered				
	Unit 3, Main transformer cable duct	Discovered	1.8	ND	1.4 × 10 <sup>0</sup>	1.8 × 10 <sup>0</sup>

**Reinvestigation will be planned on January 31 because sampled point was different.**