

News Release

Ministry of Economy,
Trade and Industry (METI)

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Press Release Information	Nuclear and Industrial Safety Agency (NISA), Ministry of Economy, Trade and Industry (METI)
Consequences of "the Niigataken Chuetsu-oki Earthquake in 2007" at Kashiwazaki-Kariwa Nuclear Power Station, Tokyo Electric Power Company (the 27th report)	

September 27, 2007

NISA/METI

On September 27, 2007, the Nuclear and Industrial Safety Agency (NISA) received information from Tokyo Electric Power Company on the status of inspection and restoration after "the Niigataken Chuetsu-oki Earthquake in 2007" and in-core inspection (Phase 2) as shown below.

I. Excerpts from the report submitted by Tokyo Electric Power Company

NISA received information from Tokyo Electric Power Company on the status of the major inspection and restoration (from September 23, 2007 to October 20, 2007) after "the Niigataken Chuetsu-oki Earthquake in 2007" at Kashiwazaki-Kariwa Nuclear Power Station as shown in the attachment.

As for the status of the in-core inspection (Phase 2), NISA received the following information: As a result of the inspection of the moisture separator placed in the equipment temporal storage pool (outside the reactor) when the earthquake occurred, it was confirmed that the support legs for temporal storage and the positioning guide pin for installing it in the reactor had been deformed. And many scratches were recognized on the floor of the equipment temporal storage pool due to the deformation of the support legs for temporal storage.

II. Actions of NISA

1. The deformation of the portions recognized at this time has had no impact on the safety operation of the nuclear facility. NISA believes that necessary actions will be taken in the framework of the non-conformance incident management by Tokyo Electric Power Company, and NISA will continue to confirm these actions.
2. NISA will continue to confirm the damage and significant deformation by the in-core inspection of Unit-1 to Unit-7.

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3. The Nuclear Power Safety Inspectors will continue to confirm the plant status reported by Tokyo Electric Power Company, including details of the facts and causes of the incidents.
4. At present, no significant reading of fluctuation has been identified by either the radiation monitoring systems of the main stacks or the monitoring posts.

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**Non-conformance and the Status of Inspection and Restoration Works after
“the Niigataken Chuetsu-oki Earthquake in 2007”
(Weekly Report: September 27)**

September 27, 2007
Tokyo Electric Power Company

Tokyo Electric Power Company provides this announcement the status of major inspection and restoration works of the plants (from September 23, 2007 to October 20, 2007) and non-conformance found in the inspection and restoration works after “the Niigataken Chuetsu-oki Earthquake in 2007” at Kashiwazaki-Kariwa Nuclear Power Station.

1. Status of Inspection and Restoration

- Inspection and restoration completed from September 21, 2007 to September 27, 2007
 - Unit-6 House transformer (6A) oil extraction and inner inspection: Completed on September 25
 - Unit-6 House transformer (6B) oil extraction and inner inspection: Completed on September 26
 - Unit-7 Main transformer oil extraction and inner inspection: Completed on September 21
 - Unit-7 Refueling machine inspection: Scheduled for completion on September 27

- Inspection and restoration commenced from September 28, 2007 to October 4, 2007
 - Unit-1 Preparation for in-core inspection (Phase 3)
 - Units-2, 4, 5 Main exhaust duct inspection (in-trench duct)
 - Unit-2 Restoration for the blowout panel of turbine building
 - Unit-5 Refueling floor service tools inspection (stud tensioner etc.)
 - Unit-6 Main transformer oil extraction and inner inspection
 - Unit-7 Reactor head opening
 - Unit-7 Removal of the spent fuel pool underwater work platform (planned from September 27 to 30)

- Work Schedule and Results for Major Inspection and Restoration (from September 23, 2007 to October 20, 2007)
 - “Work Schedule of the Main Inspection/Restoration of Kashiwazaki-Kariwa Nuclear Power Station in Response to the Niigataken Chuetsu-oki Earthquake in 2007(during 4 Weeks)”----- Please refer to the Attachment 1

2. Non-conformance Found in the Inspection and Restoration Works Performed after “the Niigataken Chuetsu-oki Earthquake in 2007”

Based on the “Public Announcement Regarding Non-conformance Found in the Inspection and Restoration Works Performed after the Niigataken Chuetsu-oki Earthquake

in 2007”, the Tokyo Electric Power Company, Incorporated. (TEPCO) provides this announcement containing incident information reported from September 20 to September 26, 2007 and the occurrence status of non-conformance (that have been deliberated) reported from September 13 to September 19, 2007.

● Incident Information (relating to the Earthquake)

Sep. 20, 2007 - Sep. 26, 2007 (Total figure from Aug. 10, 2007)		Number of incidents by Announcement Category (Total figure from Aug. 10, 2007)	
Number of Reported Events	0	I	0(0)
	(1)	II	0(0)
		III	0(1)

Report from Sep. 20, 2007 - Sep. 26, 2007

Announcement Category	Date of Detection	Title of Report	Status
I	-	-	-
II	-	-	-
III	-	-	-

*An injured person due to “the Niigataken Chuetsu-oki Earthquake in 2007” after the occurrence of the earthquake are shown in “Other Findings” below.

● Non-conformance Information (those related to: the Chuetsu-oki Earthquake; Grades As, A, B, C, and D; and non-graded)

Sep. 13, 2007 - Sep. 19, 2007 (Total figure from July 16, 2007)	
Number of Reported Incidents	27(2,826)

● Other Findings

- Unit-3 house transformer (3B) has been transported to the factory on September 20.
- No.1 high voltage start-up transformer has been transported to the factory on September 20.
- Total number of injured person at the Kashiwazaki-Kariwa at the occurrence of the Earthquake (from August 10, 2007), one person. No radiation exposure.

Work Schedule of the Main Inspection/Restoration of Kashiwazaki-Kariwa Nuclear Power Station in Response to the Niigataken Chuetsu-oki Earthquake in 2007 (during 4 Weeks)

[Inspection / Restoration status]

◆ September 23(Sun), 2007 - October 20(Sat), 2007

System/Equipment		Items	Sep 23(Sun) to Sep 29 (Sat)	Sep 30(Sun) to Oct 6 (Sat)	Oct 7(Sun) to Oct 13 (Sat)	Oct 14(Sun) to Oct 20 (Sat)	Status of Inspection/Restoration	
Unit 1	Relating to the Open Inspection of Reactors	Reactor building overhead crane inspection					Inspection completed on September 18.	
		Refueling machine inspection					Inspection due to be commenced in mid- October.	
		Refueling floor service tools inspection (stud tensioner etc.)					Coordinating for inspection start date.	
		In-core inspection (Phase2*)						Scheduled for the Phase 2 inspection from September 14 to October 1.
		In-core inspection (Phase3*)	Preparation					
	Relating to the Open Inspection of Turbines	Turbine building overhead crane inspection						Scheduled for inspection from August 20 to October 26.
		Turbine internal inspection						Scheduled for casing opening and internal inspection from early November to early December.
	Restoration/Inspection of Equipments	Reactor combination building B5F level leakage water disposal						Floor cleaning due to be completed in mid-October.
		Main transformer inspection						Coordinating for inspection start date.
		House transformers inspection (oil extraction / inner inspection)	Inspection					1A: Inspection completed. 1B: Inspection due to be commenced from October 8 to 12.
		Excitation transformers inspection (oil extraction / inner inspection)	Preparation					Scheduled for preparation from October 8 to 13.
			Inspection					Scheduled for inspection from October 15 to 18.
Unit 2	Relating to the Open Inspection of Reactors	Reactor building overhead crane inspection					Scheduled for inspection from August 27 to October 4.	
		Refueling machine inspection					Scheduled for inspection from August 27 to October 2.	
		Refueling floor service tools inspection (stud tensioner etc.)					Scheduled for inspection from September 3 to October 18.	
		Reactor head opening					Scheduled for reactor head opening work from October 19.	
	Relating to the Open Inspection of Turbines	Turbine building overhead crane inspection					Inspection completed on August 24.	
		Turbine internal inspection					Scheduled for casing opening and internal inspection from early November to early December.	
	Restoration/Inspection of Equipments	Main exhaust ducts inspection (in-trench duct)	Preparation					Preparation for inspection of the in-trench duct due to be performed from September 19 to October 2.
			Inspection					Inspection of the in-trench duct due to be commenced after preparation is ready.
		Main transformer inspection (under preparation for shipping to the factory)	Preparation					Coordinating for inspection start date.
		House transformers inspection	Preparation					2A, 2B: Preparation for inspection due to be commenced from October 15.
		Excitation transformers inspection (visual inspection)	Preparation					Preparation for inspection due to be commenced from October 29.
		Restoration for the blowout panel of turbine building						Provisional restoration completed. Detailed inspection and preparation for the restoration work due to be commenced from October 1.

Work Schedule of the Main Inspection/Restoration of Kashiwazaki-Kariwa Nuclear Power Station in Response to the Niigataken Chuetsu-oki Earthquake in 2007 (during 4 Weeks)

[Inspection / Restoration status]

◆ September 23(Sun), 2007- October 20(Sat), 2007

System/Equipment		Items	Sep 23(Sun) to Sep 29 (Sat)	Sep 30(Sun) to Oct 6 (Sat)	Oct 7(Sun) to Oct 13 (Sat)	Oct 14(Sun) to Oct 20 (Sat)	Status of Inspection/Restoration	
Unit 3	Relating to the Open Inspection of Reactors	Reactor building overhead crane inspection					Inspection completed on September 14.	
		Refueling machine inspection					Inspection due to be commenced from mid-November.	
		Refueling floor service tools inspection (stud tensioner etc.)					Inspection due to be commenced from October 24.	
		Restoration for the blowout panel of reactor building						Provisional restoration completed. Investigation for the restoration work due to be commenced from September 25.
	Relating to the Open Inspection of Turbines	Turbine building overhead crane inspection						Scheduled for inspection from August 27 to November 23.
		Turbine internal inspection					Scheduled for casing opening and internal inspection from early December to late December.	
	Restoration/Inspection of Equipments	Main transformer inspection					Coordinating for inspection start date.	
		House transformers inspection (oil extraction / inner inspection)	Preparation				▼▼▼	3A: Preparation due to be commenced from October 15.
			Inspection				▼▼▼	3A: Scheduled for inner inspection from October 18 to 23. #3B: transportation completed on September 20.
		Excitation transformers inspection					▼▼▼	Visual inspection due to be performed on September 18 and 19. Inner inspection due to be commenced on October 27.
		Restoration for the blowout panel of turbine building						Provisional restoration completed. Currently in the process of scheduling preparation for the restoration work.
	Unit 4	Relating to the Open Inspection of Reactors	Reactor building overhead crane inspection			▼		Inspection due to be commenced on October 5.
Refueling machine inspection						▼	Inspection due to be commenced on October 15.	
Refueling floor service tools inspection (stud tensioner etc.)					▼		Inspection due to be commenced on October 9.	
Relating to the Open Inspection of Turbines		Turbine building overhead crane inspection				▼		Scheduled for inspection from September 3 to October 5.
		Turbine internal inspection					Scheduled for casing opening and internal inspection from early November to late November.	
Restoration/Inspection of Equipments		Main exhaust ducts inspection (in-trench duct)	Preparation			▼		Preparation for inspection of the in-trench duct commenced from September 19 to October 2.
			Inspection			▼		Inspection of the in-trench duct due to be commenced after preparation is ready.
		Main transformer inspection						Coordinating for inspection start date.
		House transformers inspection						4A, 4B: Coordinating for inspection start date.
		Excitation transformers inspection						Coordinating for inspection start date.

Work Schedule of the Main Inspection/Restoration of Kashiwazaki-Kariwa Nuclear Power Station in Response to the Niigataken Chuetsu-oki Earthquake in 2007 (during 4 Weeks)

[Inspection / Restoration status]

◆ September 23(Sun), 2007- October 20(Sat), 2007

System/Equipment	Items	Sep 23(Sun) to Sep 29 (Sat)	Sep 30(Sun) to Oct 6 (Sat)	Oct 7(Sun) to Oct 13 (Sat)	Oct 14(Sun) to Oct 20 (Sat)	Status of Inspection/Restoration		
Unit 5	Relating to the Open Inspection of Reactors	Reactor building overhead crane inspection	▼			Inspection due to be completed on September 28.		
		Refueling machine inspection	▼				Inspection due to be commenced from September 20 to October 19.	
		Refueling floor service tools inspection (stud tensioner etc.)	▼				Scheduled for inspection from October 1 to 10.	
		Reactor head opening				▼	Scheduled for reactor head opening work from October 20.	
	Relating to the Open Inspection of Turbines	Turbine building overhead crane inspection	▼				Scheduled for inspection from August 28 to October 17.	
		Turbine internal inspection					Scheduled for casing opening and internal inspection from late October to late December.	
	Restoration/Inspection of Equipments	Main exhaust ducts inspection (in-trench duct)	Preparation	▼			Preparation for inspection of the in-trench duct due to be performed from September 19 to October 2.	
			Inspection	▼			Inspection of the in-trench duct due to be commenced after preparation is ready.	
		Main generator inspection					Inspection due to be commenced from late October.	
	Unit 6	Relating to the Open Inspection of Reactors	Reactor building overhead crane inspection	▼			Scheduled for inspection from September 10 to October 3.	
Refueling machine inspection			▼				Inspection due to be commenced on September 27.	
Refueling floor service tools inspection (stud tensioner etc.)			▼				Scheduled for inspection from September 17 to October 27.	
Relating to the Open Inspection of Turbines		Turbine building overhead crane inspection	▼				Scheduled for inspection from August 27 to October 4.	
		Turbine internal inspection			▼		Scheduled for casing opening and internal inspection from October 11 to late October.	
Restoration/Inspection of Equipments		Main transformer inspection (oil extraction / inner inspection)	Preparation	▼			Scheduled for preparation from September 14 to October 3.	
			Inspection	▼			Preparation for transportation from the factory due to be commenced on October 7. Scheduled for inspection from October 4 to 6.	
		House transformers inspection (oil extraction / inner inspection)	Preparation	▼				Preparation for transportation from the factory due to be commenced from September 22.
			Inspection	▼				6A: Inspection completed on September 25. 6B: Inspection completed on September 26.
Unit 7		Relating to the Open Inspection of Reactors	Reactor building overhead crane inspection	▼				Inspection completed on September 6.
	Refueling machine inspection		▼				Inspection due to be completed on September 27.	
	Refueling floor service tools inspection (stud tensioner etc.)		▼				Scheduled for inspection from September 7 to October 1.	
	Reactor head opening		▼				Scheduled for reactor head opening work from October 2 to 8.	
	In-core inspection				▼		In-core inspection due to be commenced after reactor head opening completed.	
	Relating to the Open Inspection of Turbines	Turbine building overhead crane inspection	▼				Scheduled for inspection from August 27 to October 4.	
		Turbine internal inspection			▼		Scheduled for casing opening and internal inspection from October 8 to late November.	
	Restoration/Inspection of Equipments	Main transformer inspection (oil extraction / inner inspection)	Preparation	▼				Preparation for transportation from the factory due to be commenced from September 19.
			Inspection					Inspection completed on September 21.
		House transformers inspection (oil extraction / inner inspection)	▼				7A, 7B: Preparation for inspection due to be commenced from late October.	
Main generator inspection				▼		Inspection due to be commenced from October 8.		
	Removal of spent fuel pool underwater work platform	▼				Work planned from September 27 to 30.		

Work Schedule of the Main Inspection/Restoration of Kashiwazaki-Kariwa Nuclear Power Station in Response to the Niigataken Chuetsu-oki Earthquake in 2007 (during 4 Weeks)

[Inspection / Restoration status]

◆ September 23(Sun), 2007- October 20(Sat), 2007

System/Equipment	Items	Sep 23(Sun) to Sep 29 (Sat)	Sep 30(Sun) to Oct 6 (Sat)	Oct 7(Sun) to Oct 13 (Sat)	Oct 14(Sun) to Oct 20 (Sat)	Status of Inspection/Restoration
Common Activities for the Power Plant	Verification run for stand-by equipments Operation					Verification operation of the standby gas treatment system due to be performed on September 27, 28 and October 2. Verification operation of the fuel pool cooling water system due to be performed on September 27 and 28. Verification operation of the emergency core cooling system and boron injection system due to be performed from early October.
Transformer (common) /Switch Yard	High voltage start-up transformer No.1 (preparation for transportation from the factory) On-site check & inspection of the oil protection bank for the transformer Preparation					Transportation completed on September 20. Provisional restoration completed on September 20.
Environmental Facilities	On-site check & inspection of the incineration facility House boilers inspection					For incinerators situated at Arahama side inspection currently under way. Start-up of Ominato side incinerator on September 26. House boiler (Arahama side) 1A, 2A and 2B are currently under inspection. House boiler (Ominato side) 4B is currently under inspection (Inspection due to be completed in mid-October).
Solid Waste Storage Facility	Restoration work Preparation					Preparation for equipments and materials necessary for restoration is currently under way.
Others	Restoration work for administration building/information building Restoration work for the on-site/outside roads & slope, etc. On-site maintenance work Dismantling of the Arahama-side arrestor steel tower Preparation					Preparation due to be commenced on September 8. Dismantling due to be commenced in mid-October.

Note-1: We will notify you of inspection results for each system as soon as they are made available.

Note-2: Please note that details of the actual inspection/restoration work and their implementation schedule may be changed depending on conditions.

*Phase 1: Inspection for the upper part of the reactors, Phase 2: Inspection for the middle part (reactor core) of the reactors, Phase 3: Inspection for the bottom part of the reactors.