

News Release

Ministry of Economy,  
Trade and Industry (METI)

PRI-07-67

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 22nd report)	

August 30, 2007

NISA/METI

On August 30, 2007, 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" 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 August 26, 2007 to September 22, 2007) after "the Niigataken Chuetsu-oki Earthquake in 2007" at Kashiwazaki-Kariwa Nuclear Power Station as shown in the attachment.

II. Actions of NISA

1. Inspection of the inside of the reactor of Unit-1 (Phase 2) is scheduled to start on September 14, and NISA will check if there is any damage and/or significant deformation.
2. Inspection of the reactor pressure vessel of Unit-7 will start in October, and NISA will check if there is any damage and/or significant deformation in the same way as Unit-1.
3. Nuclear Power Safety Inspectors will 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.

*C/4/2*

Contacts:

Mr. Nei  
Nuclear Power Inspection Division, NISA/METI  
Phone: +81-3-3501-9547(Direct)

Mr. Morita  
Nuclear Incident Response Office,  
Nuclear Emergency Preparedness Division, NISA/METI  
Phone: +81-3-3501-1637(Direct)

Mr. Imai  
Kashiwazaki-Kariwa Nuclear Safety Inspector's Office,  
NISA/METI  
Phone: +81-257-23-9798(Direct)  
+81-257-45-3561(In Plant)

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

August 30, 2007  
Tokyo Electric Power Company

Tokyo Electric Power Company provides this announcement the status of major inspection and restoration works of the plants (from August 26, 2007 to September 22, 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 August 24, 2007 to August 30, 2007
  - Unit-1 Main transformer inspection: Visual inspection completed on August 29
  - Unit-2 Turbine building overhead crane inspection: Inspection completed on August 24
- Inspection commenced from August 31, 2007 to September 6, 2007
  - Unit-2 Refueling floor service tools inspection
  - Unit-2 House transformers inspection
  - Unit-3 Main transformer inspection
  - Unit 4 Turbine building overhead crane inspection
  - Unit 5 Reactor building overhead crane inspection

2. Work Schedule and Results for Major Inspection and Restoration (from August 26, 2007 to September 22, 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

3. 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 August 23 to 29, 2007 and the occurrence status of non-conformance (that have been deliberated) reported from August 16 to 22, 2007. Please read the next page.

● Incident Information (relating to the Earthquake)

Aug. 23, 2007 - Aug. 29, 2007 (Total Figure from Aug. 10, 2007)		Number of incidents by Announcement Category (Total Figure from Aug. 10, 2007)	
Number of incidents	0 (1)	I	0(0)
		II	0(0)
		III	0(1)

Report from Aug. 23, 2007 to Aug. 29, 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)

Aug. 16, 2007 - Aug. 22, 2007 (Total Figure from July 16, 2007)	
Number of Reported incidents	175(2555)

- Other Findings

- About the person injured inside the duct of Unit-3 transmission cable (non-controlled area). (Already announced on August 29)
- Total number of injured person at the Kashiwazaki-Kariwa at the occurrence of 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]

◆ August 26(Sun), 2007- September 22(Sat), 2007

System/Equipment	Items	Aug 26 (Sun) to Sep 1 (Sat)	Sep 2 (Sun) to Sep 8 (Sat)	Sep 9 (Sun) to Sep 15 (Sat)	Sep 16(Sun) to Sep 22 (Sat)	Status of Inspection/Restoration		
Unit 1	Relating to the Open Inspection of Reactors	Reactor building overhead crane inspection	▶			▼	Inspection due to be completed on September 17.	
		Refueling machine inspection	▶				Inspection due to be commenced in early October.	
		Refueling floor service tools inspection (working dolly) (stud tensioner etc.)	▶			▼	Inspection due to be completed on September 13.	
		Incore inspection (Phase 2*)	▶			▼	Currently in the process of scheduling inspection. Phase 2 inspection due to be commenced on September 14.	
	Relating to the Open Inspection of Turbines	Turbine building overhead crane inspection	▶			▼	Inspection commenced on August 20. Inspection due to be completed on October 26.	
		Restoration/Inspection of Equipments	Main exhaust ducts inspection	Preparation	▶		▼	Inspection due to be commenced on September 10.
	Reactor combination building B5F level leakage water disposal		▶				Disposal of leaked water at the stare room due to be completed on August 24. Currently under cleaning of the passage and area.	
	Main transformer inspection(Visual inspection)		Inspection	▶		▼	Visual inspection completed between August 26 and August 29.	
	(oil extraction / inner inspection)		Preparation	▶		▼	Preparation for inspection commenced on September 19.	
	House transformers inspection (oil extraction / inner inspection)		Preparation	▶		▼	Scheduled for the inspection from August 31 to September 8.	
	Excitation transformers inspection (oil extraction / inner inspection)		Preparation	▶		▼	Preparation for inspection commenced on August 30.	
			Inspection	▶		▼	Scheduled for the inspection from September 10 to September 14.	
	Planning of visual inspection for major facilities and detailed inspection		▶				Currently under way in cooperation with supporting companies.	
	Daily inspection work of site facilities, etc.	▶						
Unit 2	Relating to the Open Inspection of Reactors	Reactor building overhead crane inspection	▶	▶			▼	Inspection commenced on August 27.
		Refueling machine inspection	▶	▶			▼	Inspection commenced on August 27.
		Refueling floor service tools inspection (stud tensioners, etc.)		▶	▶			▼
	Relating to the Open Inspection of Turbines	Turbine building overhead crane inspection	▶			▼	Inspection completed on August 24. Currently in the process of scheduling inspection of the turbine.	
		Restoration/Inspection of Equipments	Main exhaust ducts inspection	Preparation	▶		▼	Inspection due to be commenced on September 10.
	Main transformer inspection (under preparation for shipping to the factory)		Preparation	▶		▼	Preparation of shipping to the factory commenced on September 12.	
	House transformers inspection (Visual inspection)		Preparation	▶		▼	Preparation for inspection commenced on September 3.	
			Inspection	▶		▼	Scheduled for the visual inspection from September 10 to September 13.	
	(oil extraction / inner inspection)		Preparation	▶		▼	Preparation for inspection commenced on September 11.	
			Inspection	▶		▼	Scheduled for the inspection from September 24 to October 4.	
	Excitation transformers inspection (Visual inspection)		Preparation	▶		▼	Preparation for inspection commenced on September 10.	
			Inspection	▶		▼	Scheduled for the visual inspection on September 14, 15. Oil extraction due to be commenced on October 6. Inner inspection due to be commenced on October 6.	
	Planning of visual inspection for major facilities and detailed inspection	▶				Currently under way in cooperation with supporting companies.		
	Daily inspection work of site facilities, etc.	▶						
Restoration for the blowout panel of turbine building	Preparation	▶			▼	Provisional restoration completed. Preparation for the restoration work due to be commenced in late September.		

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]

◆ August 26(Sun), 2007- September 22(Sat), 2007

System/Equipment	Items	Aug 26 (Sun) to Sep 1 (Sat)	Sep 2 (Sun) to Sep 8 (Sat)	Sep 9 (Sun) to Sep 15 (Sat)	Sep 16(Sun) to Sep 22 (Sat)	Status of Inspection/Restoration		
Unit 3	Relating to the Open Inspection of Reactors	Reactor building overhead crane inspection	▶			▶	Inspection commenced on August 20. Inspection due to be completed on September 21.	
		Refueling machine inspection					Currently in the process of scheduling inspection.	
		Refueling floor service tools inspection (stud tensioners, etc.)				▶	Inspection due to be commenced on September 20.	
		Restoration for the blowout panel of reactor building	Preparation			▶	Provisional restoration completed. Preparation for the restoration work due to be commenced on September 15.	
	Relating to the Open Inspection of Turbines Restoration/Inspection of Equipments	Turbine building overhead crane inspection	▶	▶				Inspection commenced on August 27. Inspection due to be completed on November 23.
		Main exhaust ducts inspection			▶		Inspection due to be commenced on September 10.	
		Main transformer inspection (Visual inspection)	Preparation		▶	▶		Scheduled for the preparation inspection from September 4 to September 12.
			Inspection			▶	▶	Scheduled for the visual inspection from September 13 to September 15. Inner inspection due to be commenced in November.
		House transformers inspection (Visual inspection)	Preparation	▶	▶			Visual inspection due to be commenced on September 3.
			Inspection		▶			Preparation for inspection commenced on August 30.
		(oil extraction / inner inspection)	Preparation	▶	▶			Scheduled for the inspection September 8 to September 12.
			Inspection			▶	▶	Preparation for inspection commenced on August 30.
		Excitation transformers inspection (Visual inspection)	Preparation	▶	▶			Scheduled for the visual inspection on September 7,8.
			Inspection			▶	▶	Preparation for inspection commenced on September 10.
(oil extraction / inner inspection)	Preparation			▶	▶	Scheduled for the inspection from September 14 to September 17.		
	Inspection				▶			
Planning of visual inspection for major facilities and detailed inspection		▶					Currently under way in cooperation with supporting companies.	
Daily inspection work of site facilities, etc.		▶						
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					Currently in the process of scheduling inspection.	
		Refueling machine inspection					Currently in the process of scheduling inspection.	
		Refueling floor service tools inspection (stud tensioners, etc.)					Currently in the process of scheduling inspection.	
	Relating to the Open Inspection of Turbines Restoration/Inspection of Equipments	Turbine building overhead crane inspection		▶			Inspection due to be commenced on September 3. Inspection due to be completed on October 16.	
		Main exhaust ducts inspection	Preparation	▶				
			Inspection			▶	▶	Inspection due to be commenced on September 10.
		Main transformer inspection					Currently in the process of scheduling inspection.	
		House transformers inspection					Currently in the process of scheduling inspection.	
		Excitation transformers inspection					Currently in the process of scheduling inspection.	
		Planning of visual inspection for major facilities and detailed inspection		▶				
Daily inspection work of site facilities, etc.		▶						

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]

◆ August 26(Sun), 2007- September 22(Sat), 2007

System/Equipment	Items	Aug 26 (Sun) to Sep 1 (Sat)	Sep 2 (Sun) to Sep 8 (Sat)	Sep 9 (Sun) to Sep 15 (Sat)	Sep 16(Sun) to Sep 22 (Sat)	Status of Inspection/Restoration		
Unit 5 Relating to the Open Inspection of Reactors	Reactor building overhead crane inspection		▼			Inspection due to be commenced on September 3.		
	Refueling machine inspection				▼	Inspection due to be commenced on September 17.		
	Refueling floor service tools inspection (stud tensioners, etc.)					Currently in the process of scheduling inspection.		
	Relating to the Open Inspection of Turbines Restoration/Inspection of Equipments	Turbine building overhead crane inspection	▼				Inspection commenced on August 28. Inspection due to be completed on October 17.	
		Main exhaust ducts inspection			▼		Inspection due to be commenced on September 10.	
		Planning of visual inspection for major facilities and detailed inspection	Currently under way in cooperation with supporting companies.					
	Daily inspection work of site facilities, etc.							
Unit 6 Relating to the Open Inspection of Reactors	Reactor building overhead crane inspection					Inspection to determine cause of the damage currently under way. Currently in the process of scheduling inspection.		
	Refueling machine inspection	▼	▼				Scheduled for the visual inspection from August 29 to August 31.	
	Refueling floor service tools inspection (stud tensioners, etc.)					Currently in the process of scheduling inspection.		
	Relating to the Open Inspection of Turbines Restoration/Inspection of Equipments	Turbine building overhead crane inspection	▼				Inspection commenced on August 27. Inspection due to be completed on October 4.	
		House transformers inspection (oil extraction / inner inspection)	▼	▼	▼		Under scaffolding works between Aug.29 and Sept. 1. Oil extraction and inner inspection due to be commenced on October 6.	
		Planning of visual inspection for major facilities and detailed inspection	Currently under way in cooperation with supporting companies.					
	Daily inspection work of site facilities, etc.							
Unit 7 Relating to the Open Inspection of Reactors	Reactor building overhead crane inspection		▼				Inspection due to be completed on September 6.	
	Refueling machine inspection	▼				Inspection commenced on August 29.		
	Refueling floor service tools inspection (working doll. stud tensioners, etc.)	▼	▼			Inspection due to be completed in the end of September.		
	Relating to the Open Inspection of Turbines Restoration/Inspection of Equipments	Incore inspection		▼				Inspection due to be commenced on September 7.
		Turbine building overhead crane inspection	▼				Inspection due to be completed in the end of September.	
		Main transformer inspection (oil extraction / inner inspection)			▼		Open Inspection of Reactor due to be commenced in early October.	
	Planning of visual inspection for major facilities and detailed inspection	Inspection commenced on August 27. Inspection due to be completed on October 4.						
	Daily inspection work of site facilities, etc.	Inspection due to be commenced on September 14.						
		Currently under way in cooperation with supporting companies.						

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]

◆ August 26(Sun), 2007- September 22(Sat), 2007

System/Equipment	Items	Aug 26 (Sun) to Sep 1 (Sat)	Sep 2 (Sun) to Sep 8 (Sat)	Sep 9 (Sun) to Sep 15 (Sat)	Sep 16(Sun) to Sep 22 (Sat)	Status of Inspection/Restoration
Common Activities for the Power Plant	Verification run for stand-by equipments	Preparation Operation				Performed for the residual heat removal system (stand-by).
	Periodic surveillance test (for EDG)					Scheduled for periodic surveillance test from September 19 to 21.
Transformer (common) /Switch Yard	Repair/restoration of low voltage start-up transformer 6SB	Preparation Restoration				Restoration due to be completed on September 6.
	The high voltage start-up transformer No.1 (preparation for shipping to the factory)	Preparation				Preparation for shipping to the factory commenced on August 27.
	On-site check & inspection of the oil protection bank for the transformer					On-site inspection for Unit 6 completed on August 29; and low voltage start-up transformers (1SA, 1SB) due to be completed in the mid-September; and for other systems already completed.
	On-site investigation of the transformer oil leakage area (boring)					Investigation due to be completed on September 3.
	Inspection preparation & restoration for the bushing of Minami-Niigata transmission line (No.2)					As a tentative measure, replacement to spare parts due to be made on August 31.
	Environmental Facilities	On-site check & inspection of the incineration facility				
House boilers inspection						House boiler 1A, 2A, 2B (Arahama side) currently under inspection. House boiler 4A & 4B (Ominato side) currently under inspection. House boiler 4A due to be in operation on September 6.
Solid Waste Storage Facility	Restoration work	Provisional restoration Preparation				Provisional restoration due to be completed on August 30. Substantial restoration to be contemplated in September. (including preparation)
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 lightning protection tower	Preparation				Preparation for dismantlement commenced on September 15. Dismantlement 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 reactors, Phase 2: Inspection for the middle part (reactor core) of the reactors, Phase 3: Inspection for the bottom part of the reactors.