

Work Schedule of the Main Inspection/Restoration of Kashiwazaki-Kariwa Nuclear Power Station in Response to the Niigata-Chuetsu-Oki Earthquake (during 4 Weeks) (1/4)

[Inspection/Restoration Status]
From September 30th, 2007 (Sun) to October 27th, 2007 (Sat)

System/Equipment	Items	Sept.30 (Sun) to Oct.6 (Sat)	Oct. 7 (Sun) to Oct.13 (Sat)	Oct. 14 (Sun) to Oct.20 (Sat)	Oct. 21 (Sun) to Oct.27 (Sat)	Status of Inspection/Restoration	
Unit No.1	Relating to the Open Inspection of Reactors	Reactor building ceiling crane inspection				Inspection completed on Sept. 18th.	
		Refueling machine inspection			▼	Inspection to be commenced in late-October.	
		Refueling floor service tools inspection (stud tensioners, etc.)				Coordinating for inspection start date.	
		In-core inspection (Phase2*) (Phase3*) preparation	▼	▼		Phase2 * inspection completed on Oct. 1st. Phase3 * inspection preparation planned from Oct. 2nd.	
	Relating to the Open Inspection of Turbines	Turbine building ceiling crane inspection				▼	Inspection planned from Aug. 20th to Oct. 26th.
		Turbine internal inspectioon					Casing opening and internal inspection planned from early November to early December.
	Restoration/Inspection of Equipments	Reactor combination building B5F level leakage water disposal			▼		Floor cleaning to be completed in mid-October.
		Main transformers inspection preparation				▼	Inspection preparation planned from Oct. 22th.
		House transformers inspection (oil extraction/ inner inspection) preparation		▼	▼		To be prepared on Oct. 8.
		House transformers inspection (oil extraction/ inner inspection) inspection		▼	▼		1A inspection completed. 1B inspection planned from Oct. 9th to 12th.
		Excitation transformers inspection (oil extraction/ inner inspection) preparation		▼	▼		To be prepared from Oct. 8th to 13th.
		Excitation transformers inspection (oil extraction/ inner inspection) inspection			▼	▼	Inspection planned from Oct. 15th to 18th.
Unit No.2	Relating to the Open Inspection of Reactors	Reactor building ceiling crane inspection	▼			Inspection planned from Aug. 27th to Oct. 4th.	
		Refueling machine inspection			▼	Inspection planned from Aug. 27th to Oct. 16th.	
		Refueling floor service tools inspection (stud tensioners, etc.)			▼	Inspection planned from Sept. 3rd to Oct. 18th	
		Reactor head opening			▼	Reactor head opening work from Oct. 19th.	
	Relating to the Open Inspection of Turbines	Turbine building ceiling crane inspection					Inspection completed on Aug. 24th.
		Turbine internal inspectioon					Casing opening and internal inspection planned from early December to late December.
	Restoration/Inspection of Equipments	Main exhaust ducts inspection preparation (in-trench duct) preparation	▼				Inspection preparation for the in-trench duct completed on Oct. 3rd.
		Main exhaust ducts inspection (in-trench duct) inspection	▼	▼			In-trench duct inspection planned from Oct.4th to 6th.
		Main transformers inspection (preparation for transportation from the factory) preparation					To be prepared from Oct. 29th.
		House transformers inspection (visual inspection) preparation			▼		2A , To be prepared from Oct. 15th. 2B, To be prepared from Oct. 22th.
		House transformers inspection (visual inspection) inspection				▼	2A , Inspection planned from Oct.22th to 23th.
		(oil extraction / internal inspection) preparation				▼	2A , To be prepared from Oct. 24th.
	Excitation transformers inspection (visual inspection) preparation					To be prepared from Oct. 29th.	
	Restoration for the blowout panel of turbine building		▼			Provisional restoration completed. Detailed inspection and preparation for the restoration work due to be commenced on Oct. 10th.	

Work Schedule of the Main Inspection/Restoration of Kashiwazaki-Kariwa Nuclear Power Station in Response to the Niigata-Chuetsu-Oki Earthquake (during 4 Weeks) (2/4)

[Inspection/Restoration Status]

From September 30th, 2007 (Sun) to October 27th, 2007 (Sat)

System/Equipment	Items	Sept.30 (Sun) to Oct.6 (Sat)	Oct. 7 (Sun) to Oct.13 (Sat)	Oct. 14 (Sun) to Oct.20 (Sat)	Oct. 21 (Sun) to Oct.27 (Sat)	Status of Inspection/Restoration		
Unit No.3	Relating to the Open Inspection of Reactors	Reactor building ceiling crane inspection					Inspection completed on Sept. 14th.	
		Refueling machine inspection					Inspection due to be commenced in mid-November.	
		Refueling floor service tools inspection (stud tensioners, etc.)				▼	Inspection due to be commenced on Oct. 24th.	
		Restoration for the blowout panel of reactor building	▶					Provisional restoration completed. Survey for restoration commenced on Sept. 25th.
	Relating to the Open Inspection of Turbines	Turbine building ceiling crane inspection	▶					Inspection planned from Aug 27th to Oct. 31st.
		Turbine internal inspectioon						Casing opening and internal inspection planned from mid-November to early December.
	Restoration/Inspection of Equipments	Main transformers inspection preparation	▼	▶				Preparation commenced on oct. 3rd.
		House transformers inspection (oil extraction/ inner inspection) preparation inspection			▼	▼		3A To be prepared from Oct. 15th to 17th . 3A Inner inspection planned from Oct. 18th to 23rd. * 3B Transportation completed on Sept. 20th.
		Excitation transformers inspection (visual inspection) inspection			▼	▼		Visual inspection planned on Oct. 18th & 19th.
		(oil extraction/ inner inspection) preparation inspection				▼	▶	To be prepared from Oct. 22nd. Inspection planned from Oct. 27th.
		Restoration for the blowout panel of turbine building						Provisional restoration completed. Currently in the process of scheduling the restoration work .
	Unit No.4	Relating to the Open Inspection of Reactors	Reactor building ceiling crane inspection		▼	▶		Inspection due to be commenced on Oct. 6th.
Refueling machine inspection						▼	Inspection due to be commenced on Oct. 22nd.	
Refueling floor service tools inspection (stud tensioners, etc.)				▼	▶			Inspection due to be commenced on Oct. 9th.
Relating to the Open Inspection of Turbines		Turbine building ceiling crane inspection	▶	▼				Inspection planned from Sept. 3rd to Oct. 5th.
		Turbine internal inspectioon						Casing opening and internal inspection planned from early November to late November.
Restoration/Inspection of Equipments		Main exhaust ducts inspection preparation (in-trench preparation) preparation inspection	▶	▼	▼			Inspection preparation for the in-trnch duct completed on Oct.3rd. Inspection for the in-trnch duct planned from Oct.4th to 6th.
		Main transformers 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 Niigata-Chuetsu-Oki Earthquake (during 4 Weeks) (3/4)

[Inspection/Restoration Status]

From September 30th, 2007 (Sun) to October 27th, 2007 (Sat)

System/Equipment	Items	Sept.30 (Sun) to Oct.6 (Sat)	Oct. 7 (Sun) to Oct.13 (Sat)	Oct. 14 (Sun) to Oct.20 (Sat)	Oct. 21 (Sun) to Oct.27 (Sat)	Status of Inspection/Restoration		
Unit No.5	Relating to the Open Inspection of Reactors	Reactor building ceiling crane inspection				To be completed on Sept. 28th.		
		Refueling machine inspection	▶			▼	Inspection planned from Sept. 20th to Oct. 19th.	
		Refueling floor service tools inspection (stud tensioners, etc.)	▶	▶			Inspection planned from Oct. 1st to 10th.	
		Reactor head opening				▶	Reactor head opening work from Oct. 20th.	
	Relating to the Open Inspection of Turbines	Turbine building ceiling crane inspection	▶			▼	Inspection planned from Aug. 28th to Oct. 17th.	
		Turbine internal inspectioon				▶	Casing opening and internal inspection planned from Oct. 22nd to late December.	
	Restoration/Inspection of Equipments	Main exhaust ducts inspection preparation (in-trench preparation inspection)	▶	▶			Inspection preparation for the in-trench duct completed on Oct. 3rd. In-trench duct planned for inspection from Oct. 4th to 6th.	
		Main generator inspection					Inspection due to be commenced from late October.	
	Unit No.6	Relating to the Open Inspection of Reactors	Reactor building ceiling crane inspection	▶			▼	Inspection completed on Oct. 2nd.
Refueling machine inspection			▶				Inspection planned from Sept. 27th to Nov. 3rd.	
Refueling floor service tools inspection (stud tensioners, etc.)			▶				Inspection planned from Sept. 17th to Oct. 27th.	
Relating to the Open Inspection of Turbines		Turbine building ceiling crane inspection	▶				▼	Inspection planned from Aug. 27th to Oct. 4th.
		Turbine internal inspectioon			▶		▼	Casing opening and internal inspection planned from Oct. 11th to late October.
Restoration/Inspection of Equipments		Main transformers inspection (oil extraction/ inner preparation inspection)	▶	▶			▶	Preparation completed on Oct. 3rd. Preparation to be transported out of the factory from Oct.7th. Inspection planned from Oct. 4th to 6th.
		House transformers inspection (oil extraction/ inner preparation inspection)	▶				▶	Preparation to be transported out of the factory from Sept. 22nd. To be transported out from the factory on Oct. 24. 6A Inspection completed on Sept. 25th. 6B Inspection completed on Sept. 26th.
		Discharge canal inspetion	▶					Discharge canal inspection and restoration method under consideration.
Unit No.7	Relating to the Open Inspection of Reactors	Reactor building ceiling crane inspection					Inspection completed on Sept. 6th.	
		Refueling machine inspection inspection					Inspection to be completed on Sept. 27th.	
		Refueling floor service tools inspection (stud tensioners, etc.)	▶				▼	Inspection completed on Oct 1st.
		Reactor head opening	▶	▶				Reactor head opening work from Oct. 2nd to 8th.
		In-core inspection			▶		▶	In-core inspection to be commenced on Oct. 9th. Phase1 & Phase2* inspection planned from Oct. 22nd.
	Relating to the Open Inspection of Turbines	Turbine building ceiling crane inspection	▶				▼	Inspection planned from Aug. 27th to Oct. 4th.
		Turbine internal inspectioon			▶		▶	Casing opening and internal inspection planned from Oct. 8th to late November.
	Restoration/Inspection of Equipments	Main transformers inspection (oil extraction/ inner preparation inspection)	▶				▶	Preparation to be transported out of the factory from Sept. 19th. To be transported out from the factory on Oct. 24. Inspection completed on Sept. 21st.
		House transformers inspection (oil extraction/ inner preparation inspection)					▶	7A , 7B Inspection preparation due to be commenced from Oct. 22nd.
		Main generator inspection			▶			Inspection due to be commenced on Oct. 9th.
Removal of spent fuel pool underwater work platform		▶					Work completed on Sept. 30th.	
	Discharge canal inspetion	▶					Discharge canal inspection and restoration method under consideration.	

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

[Inspection/Restoration Status]

From September 30th, 2007 (Sun) to October 27th, 2007 (Sat)

System/Equipment	Items	Sept.30 (Sun) to Oct.6 (Sat)	Oct. 7 (Sun) to Oct.13 (Sat)	Oct. 14 (Sun) to Oct.20 (Sat)	Oct. 21 (Sun) to Oct.27 (Sat)	Status of Inspection/Restoration
Common Activities for the Power Plant	Verification operation of stand-by equipments operation					Verificaiton operation to be completed on Oct. 2nd. Fuel pool cooling water system back up pump verification run completed on Oct. 28th. Verification operation of the emergency core cooling systems and stand-by liquid control system planned from Oct.3rd to 5th, Oct.10th to 12th and 15th. Unit 7 Stand-by Liquid Control System verification test run completed on Oct.1-2.
	High-voltage start-up transformer #1 (preparation for transportation from the factory) preparation					Transportation completed on Sept. 20th.
Transformer (common) / Switch Yard	On-site check & inspection of the oil protection bank for the transformer					Provisional restoration completed on Sept. 20th.
	On-site check & inspection of the incineration facility					For incinerators situated at Arahama side, inspection currently under way. Start-up of Ohminato-side incinerator on Sept. 26th.
Environmental Facilities	Inspection of house boilers					House boiler (Arahama-side) 1A, 2A, 2B: inspection underway. (Ohminato-side) 4B: inspection underway (Inspection to be completed in mid-October)
	Restoration work preparation					Restoration work equipment under preparation.
Solid Waste Storage Facility	restoration					Drum soundness verification work to be commenced on Oct.9th.
	Restoration work for administration building/information building					
Others	Restoration work for the on-site/outside roads & slope, etc.					
	On-site maintenance work					
	Dismantling of Arahama-side arrester steel tower preparation					Preparation planned from Sept. 8th to Oct. 12th.
	dismantling					Dismantling work planned from Oct. 13th.

Inspection results for each facilities will be announced as soon as they compiled.

Inspection and restoration work and execution date for each item may alter according to the situation.

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