

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 October 7th, 2007 (Sun) to November 3rd, 2007 (Sat)

System/Equipment	Items	Oct. 7 (Sun) to Oct. 13 (Sat)	Oct. 14 (Sun) to Oct. 20 (Sat)	Oct. 21 (Sun) to Oct. 27 (Sat)	Oct. 28 (Sun) to Nov. 3 (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 on Oct. 25th.
		Refueling floor service tools inspection (stud tensioners, etc.)					Coordinating for inspection start date.
		In-core inspection					Phase2 * inspection completed on Oct. 1st. Phase3 * inspection preparation commenced on Oct. 2nd.
	Relating to the Open Inspection of Turbines	Turbine building ceiling crane inspection			▼		Inspection planned from Aug. 20th to Oct. 26th.
		Turbine internal inspection					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 on Oct. 12th.
		Main transformers inspection (visual inspection)				▼	Visual inspection planned from Oct. 31st. to Nov. 1st.
		(oil extraction/internal inspection) preparation				▼	Inspection preparation planned from Oct. 29th to Nov. 8th. Preparation for transportation planed from Oct. 29th.
		inspection				▼	Inspection planned from Nov. 10th to 14th.
		House transformers inspection (oil extraction/internal inspection) preparation	▼				1B preparation completed on Oct. 8th.
		inspection	▼				1A inspection completed on Sept. 4th. 1B inspection planned from Oct. 9th to 12th.
	Excitation transformers inspection (oil extraction/internal inspection) preparation		▼				To be prepared from Oct. 8th to 13th.
		inspection		▼			Inspection planned from Oct. 15th to 18th.
Unit No.2	Relating to the Open Inspection of Reactors	Reactor building ceiling crane inspection					Inspection completed on 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 planned from Oct. 19th to 24th.
		In-core inspection				▼	In-core inspection to be commenced after reactor head opening completed.
	Relating to the Open Inspection of Turbines	Turbine building ceiling crane inspection					Inspection completed on Aug. 24th.
		Turbine internal inspection					Casing opening and internal inspection planned from early December to late December.
	Restoration/Inspection of Equipments	Main exhaust ducts inspection preparation (in-trench duct)					Inspection for the in-trench duct completed on Oct. 5th.
		Main transformers inspection (preparation for transportation from the factory)				▼	Preparation work to be transported out from Oct. 29th.
		House transformers inspection (visual inspection) preparation		▼	▼	▼	2A To be prepared from Oct. 15th to 20th. 2B To be prepared from Oct. 22nd to 27th.
		inspection			▼	▼	2A To be prepared from Oct. 22nd to 23rd. 2B To be prepared from Oct. 29th to 30th.
		(oil extraction / internal inspection) preparation			▼	▼	2A To be prepared from Oct. 24th to 27th. 2B To be prepared from Oct. 29th to Nov. 2nd.
		inspection				▼	2A To be prepared from Nov. 9th to 10th. 2B To be prepared from Nov. 16th to 17th.
		Excitation transformers inspection (visual inspection) preparation				▼	To be prepared from Oct. 29th to Nov. 3rd.
inspection					Inspection planned from Nov. 22nd to 23rd.		
Removal of spent fuel pool underwater work platform			▼		Work planned from Oct. 17th to 18th.		
Restoration for the blowout panel of turbine building	▼				Provisional restoration completed. Restoration work commenced on Oct. 9th.		

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 October 7th, 2007 (Sun) to November 3rd, 2007 (Sat)

System/Equipment		Items	Oct. 7 (Sun) to Oct. 13 (Sat)	Oct. 14 (Sun) to Oct. 20 (Sat)	Oct. 21 (Sun) to Oct. 27 (Sat)	Oct. 28 (Sun) to Nov. 3 (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 inspection						Casing opening and internal inspection planned from mid-November to early December.	
	Restoration/Inspection of Equipments	Main transformers inspection (oil extraction/ inner preparation inspection)			▼	▼		To be prepared from Oct. 3rd to 17th. Preparation work to be transported out from Oct. 18th.	
					▼	▼		Inspection planned from Oct. 18th to 26th.	
		House transformers inspection (oil extraction/ inner preparation inspection)		▼	▼			3A To be prepared from Oct. 15th to 17th .	
					▼	▼		3A Inner inspection planned from Oct. 18th to 22nd. * 3B Transportation completed on Sept. 20th.	
		Excitation transformers inspection (visual inspection)	inspection		▼	▼			Visual inspection planned on Oct. 18th & 19th.
			(oil extraction / internal inspection) preparation inspection				▼	▼	To be prepared from Oct. 22nd to 26th. Inspection planned from Oct. 27th to 30th.
Restoration for the blowout panel of turbine building			▼				Provisional restoration completed. Restoration work commenced on Oct. 15th.		
Unit No.4	Relating to the Open Inspection of Reactors	Reactor building ceiling crane inspection					▼	Inspection planned from Oct. 6th to 29th.	
		Refueling machine inspection				▼		Inspection planned from Oct. 24th to Dec. 3rd.	
		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 completed on Oct. 5th.
		Turbine internal inspection							Casing opening and internal inspection planned from early November to late November.
	Restoration/Inspection of Equipments	Main exhaust ducts inspection preparation (in-trench duct)							Inspection for the in-trench duct completed on Oct. 5th.
		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 October 7th, 2007 (Sun) to November 3rd, 2007 (Sat)

System/Equipment		Items	Oct. 7 (Sun) to Oct. 13 (Sat)	Oct. 14 (Sun) to Oct. 20 (Sat)	Oct. 21 (Sun) to Oct. 27 (Sat)	Oct. 28 (Sun) to Nov. 3 (Sat)	Status of Inspection/Restoration		
Unit No.5	Relating to the Open Inspection of Reactors	Reactor building ceiling crane inspection					Inspection 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 19th.	
		Reactor head opening			▶	▶		Reactor head opening work from Oct. 20th to 25th.	
		In-core inspection				▶	▶	In-core inspection to be commenced after reactor head opening completed.	
	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 duct)						Inspection for the in-trench duct completed on Oct. 5th.	
		Main transformers inspection						Coordinating for inspection start date.	
		House transformers inspection						5A , 5B Coordinating for inspection start date.	
Excitation transformers inspection							Coordinating for inspection start date.		
Main generator inspection					▶	▶	Inspection due to be commenced on Oct. 26th.		
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 completed on Oct. 4th.	
		Turbine internal inspectioon		▶	▶	▶		Casing opening and internal inspection planned from Oct. 11th to 25th.	
	Restoration/Inspection of Equipments	Main transformers inspection (oil extraction/ inner inspection) preparation inspection	▶				▶		Preparation to be transported out of the factory from Oct. 7th. To be transported out from the factory on Oct. 30th. Inspection completed on Oct. 6th.
		House transformers inspection (preparation for tranportation from the factory)	▶			▶		Preparation to be transported out of the factory from Sept. 22nd. To be transported out from the factory on Oct. 24th.	
Discharge canal inspetion		▶					Discharge canal inspection completed on Sept. 29th. 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 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 completed on Oct. 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 completed on Oct. 4th.	
		Turbine internal inspectioon	▶	▶	▶	▶		Casing opening and internal inspection planned from Oct. 8th to late November.	
	Restoration/Inspection of Equipments	Main transformers inspection (preparation for tranportation from the factory)	▶			▶		Preparation to be transported out of the factory from Sept. 19th. To be transported out from the factory on Oct. 24th.	
		House transformers inspection (oil extraction/ inner inspection)			▶	▶		7A , 7B Inspection preparation due to be commenced from Oct. 22nd.	
		Main generator inspection		▶	▶	▶		Inspection due to be commenced on Oct. 15th.	
Discharge canal inspetion		▶					Discharge canal inspection completed on Oct. 10th. 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 October 7th, 2007 (Sun) to November 3rd, 2007 (Sat)

System/Equipment	Items	Oct. 7 (Sun) to Oct. 13 (Sat)	Oct. 14 (Sun) to Oct. 20 (Sat)	Oct. 21 (Sun) to Oct. 27 (Sat)	Oct. 28 (Sun) to Nov. 3 (Sat)	Status of Inspection/Restoration
Common Activities for the Power Plant	Verification operation of stand-by equipments operation					Verification operation of the emergency core cooling systems planned on Oct. 10th, 11th, 12th and 15th. Unit 5 Stand-by Liquid Control System verification test run planned on Oct. 12th and 15th.
Transformer (common) / Switch Yard	High-voltage start-up transformer #1 inspection					Transportation completed on Sept. 20th.
	Low-voltage start-up transformer 3SA inspection (oil extraction/ inner inspection) preparation inspection					Preparation planned from Oct. 16th to 19th. Internal inspection planned from Oct. 20th to 26th.
	On-site check & inspection of the oil protection bank for the transformer					Provisional restoration completed on Sept. 20th.
Environmental Facilities	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.
	Inspection of house boilers					House boiler (Arahama-side) 1A, 2A, 2B: inspection underway. (Ohminato-side) 4B: inspection underway (Inspection to be completed on Oct. 19th)
Solid Waste Storage Facility	Restoration work preparation inspection					Preparation of restoration work equipment completed on Oct. 5th. 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 arrestor 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.