

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 14th, 2007 (Sun) to November 10th, 2007 (Sat)

System/Equipment		Items	Oct. 14 (Sun) to Oct. 20 (Sat)	Oct. 21 (Sun) to Oct. 27 (Sat)	Oct. 28 (Sun) to Nov. 3 (Sat)	Nov. 4 (Sun) to Nov. 10 (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.	
		Reactor pressure vessel inspection preparation inspection			▼	▼	To be prepared from Oct. 27th to Nov. 2nd. Inspection planned from Nov. 5th to Nov. 7th. Support structure (foundation bolts and sway brace) to be inspected.	
	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 Nov. 9th to early December.	
	Restoration/Inspection of Equipments	Reactor combination building B5F level leakage water disposal					Floor cleaning to be completed on Oct. 12th.	
		Submerged equipment inspection on ground floor 5 of the reactor combination building					Low Conductivity Waste (A) system partial restoration completed on Oct. 15th.	
		Main transformers inspection (visual inspection) inspection (oil extraction/internal inspection) preparation inspection				▼	Visual inspection planned from Oct. 31st. to Nov. 1st. Inspection preparation planned from Oct. 29th to Nov. 9th. Preparation for transportation planed from Oct. 29th.	
		House transformers inspection (oil extraction/internal inspection)					1A inspection completed on Sept. 4th. 1B inspection completed on Oct. 12th.	
		Excitation transformers inspection (oil extraction/internal inspection)	▼	▼			Inspection planned from Oct. 15th to Oct. 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 completed on Oct. 16th.
Refueling floor service tools inspection (stud tensioners, etc.)							Inspection completed on Oct. 13th.	
Reactor head opening				▼	▼		Reactor head opening work planned from Oct. 19th to Oct. 24th. Reactor well and others to be filled with water from Oct. 20th to Oct. 24th.	
In-core inspection					▼		Inspection to be commenced on Oct. 25th. Phase1* & Phase2* inspection planned from Nov. 3rd.	
Reactor pressure vessel inspection preparation inspection				▼	▼	▼	To be prepared from Oct. 22th to Nov. 9th. Inspection planned from Nov. 12th to Nov. 14th. Support structure (foundation bolts and sway brace) to be inspected.	
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 transformers inspection (preparation for transportation from the factory)				▼	Preparation work to be transported out from Oct. 29th.	
		House transformers inspection (visual inspection) preparation inspection	▼	▼	▼		2A To be prepared from Oct. 15th to Oct. 20th. 2B To be prepared from Oct. 22nd to Oct. 27th. 2A Inspection planned from Oct. 22nd to Oct. 23rd. 2B Inspection planned from Oct. 29th to Oct. 30th.	
		(oil extraction /internal inspection) preparation inspection			▼	▼	2A To be prepared from Oct. 24th to Oct. 27th, Nov. 5th to Nov. 6th. 2B To be prepared from Oct. 29th to Nov. 2nd. 2A To be prepared from Nov. 9th to Nov. 10th. 2B To be prepared from Nov. 16th to Nov. 17th.	
		Excitation transformers inspection (visual inspection) preparation inspection				▼	To be prepared from Oct. 29th to Nov. 3rd. Inspection planned from Nov. 5th to Nov. 6th.	
		Removal of spent fuel pool underwater work platform	▼	▼			Work planned from Oct. 17th to Oct. 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 14th, 2007 (Sun) to November 10th, 2007 (Sat)

System/Equipment		Items	Oct. 14 (Sun) to Oct. 20 (Sat)	Oct. 21 (Sun) to Oct. 27 (Sat)	Oct. 28 (Sun) to Nov. 3 (Sat)	Nov. 4 (Sun) to Nov. 10 (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.	
		Reactor pressure vessel inspection preparation inspection						To be prepared from Oct. 29th to Nov. 7th. Inspection planned from Nov. 8th to Nov. 12th. Support structure (foundation bolts and sway brace) to be inspected.	
	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 (oil extraction/internal inspection) preparation inspection							Preparation completed on Oct. 17th. Preparation work to be transported out from Oct. 18th.
								Inspection planned from Oct. 18th to Oct. 26th.	
		House transformers inspection (oil extraction/internal inspection) preparation inspection							3A Preparation completed from Oct. 15 to Oct. 17th. 3A Internal inspection planned from Oct. 18th to Oct. 22nd. * 3B Transportation completed on Sept. 20th.
		Excitation transformers inspection (visual inspection) inspection							Visual inspection planned on Oct. 18th & Oct. 19th.
		(oil extraction /internal inspection) preparation inspection							To be prepared from Oct. 22nd to Oct. 26th. Inspection planned from Oct. 27th to Oct. 30th.
		Restoration for the blowout panel of turbine building							Provisional restoration completed. Work to be commenced after restoration for the blowout panel of turbine building of Unit No. 2 completed.
	Unit No.4	Relating to the Open Inspection of Reactors	Reactor building ceiling crane inspection						Inspection planned from Oct. 6th to Oct. 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.
Reactor pressure vessel inspection preparation inspection									To be prepared from Nov. 5th to Nov. 10th. Inspection planned from Nov. 9th to Nov. 12th. Support structure (foundation bolts and sway brace) to be inspected.
Relating to the Open Inspection of Turbines		Turbine building ceiling crane inspection							Inspection completed on Oct. 5th.
		Turbine internal inspectioon							Casing opening and internal inspection planned from Nov. 7th to late November.
Restoration/Inspection of Equipments		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 14th, 2007 (Sun) to November 10th, 2007 (Sat)

System/Equipment	Items	Oct. 14 (Sun) to Oct. 20 (Sat)	Oct. 21 (Sun) to Oct. 27 (Sat)	Oct. 28 (Sun) to Nov. 3 (Sat)	Nov. 4 (Sun) to Nov. 10 (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 Oct. 19th.
		Reactor head opening				Reactor head opening work planned from Oct. 20th to Oct. 29th. Reactor well and others to be filled with water Oct. 23th to Oct. 25th.
		In-core inspection				In-core inspection to be commenced after reactor head opening completed.
		Reactor pressure vessel inspection preparation inspection				To be prepared from Oct. 29th to Nov. 3rd.
	Relating to the Open Inspection of Turbines	Turbine building ceiling crane inspection				Inspection completed on Oct. 17th.
		Turbine internal inspectioon				Casing opening and internal inspection planned from Oct. 24th to mid-December.
	Restoration/Inspection of Equipments	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 Nov. 2nd.	
Unit No.6	Relating to the Open Inspection of Reactors	Reactor building ceiling crane inspection				Inspection completed on Oct. 2nd.
		Refueling machine inspection				Inspection commenced on Sept. 27th.
		Refueling floor service tools inspection (stud tensioners, etc.)				Inspection planned from Sept. 17th to Nov. 3rd.
		Reactor head opening				Reactor head opening work from Nov. 5th to Nov. 9th.
		Reactor pressure vessel inspection preparation inspection				To be prepared from Oct. 22nd to Oct. 29th. Inspection planned from Oct. 29th to Oct. 30th. Support structure (foundation bolts and sway brace) to be inspected.
	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 Oct. 25th.
	Restoration/Inspection of Equipments	Main transformers inspection (preparation for tranportation from the factory)				Preparation to be transported out of the factory from Oct. 7th. To be transported out from the factory on Oct. 30th.
		House transformers inspection(preparation for tranportation from the factory)				Preparation to be transported out of the factory from Sept. 22nd to Oct. 15th. To be transported out from the factory on Oct. 24th.
		Discharge canal inspetion				Discharge canal inspection completed on Sept. 29th. 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 14th, 2007 (Sun) to November 10th, 2007 (Sat)

System/Equipment		Items	Oct. 14 (Sun) to Oct. 20 (Sat)	Oct. 21 (Sun) to Oct. 27 (Sat)	Oct. 28 (Sun) to Nov. 3 (Sat)	Nov. 4 (Sun) to Nov. 10 (Sat)	Status of Inspection/Restoration	
Unit No.7	Relating to the Open Inspection of Reactors	Reactor building ceiling crane inspection					Inspection completed on Sept. 6th.	
		Refueling machine inspection					Inspection 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.
		Reactor pressure vessel inspection preparation inspection						To be prepared from Oct. 22nd to Oct. 27th. Inspection planned from Oct. 26th to Oct. 29th. Support structure (foundation bolts and sway brace) to be inspected.
Relating to the Open Inspection of Turbines	Turbine building ceiling crane inspection						Inspection completed on Oct. 4th.	
	Turbine internal inspection						Casing opening and internal inspection planned from Oct. 8th to late November.	
Restoration/Inspection of Equipments	Main transformers inspection (preparation for transportation 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/internal inspection) preparation							7A, 7B Inspection preparation due to be commenced from Oct. 22nd.
	Main generator inspection							Inspection due to be commenced on Oct. 19th.
	Discharge canal inspection							Discharge canal inspection completed on Oct. 10th. Restoration method under consideration.
Common Activities for the Power Plant	Verification operation of stand-by equipments operation							Verification operation of the emergency core cooling systems planned on Oct. 25th, 29th, Nov. 1st, 7th, and 9th. Unit 6 Stand-by Liquid Control System verification test run planned on Oct. 22nd and 26th.
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/internal inspection) inspection							Preparation planned from Oct. 16th to Oct. 19th. Internal inspection planned from Oct. 20th to Oct. 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. 23rd.)
Solid Waste Storage Facility	Restoration work							Drum soundness verification work to be commenced on Oct. 9th.
Others	Restoration work for administration building/information building							Repair work of the second floor of the administrative building to be commenced on Oct. 17th.
	Restoration work for the on-site/outside roads & slope, etc.							
	On-site maintenance work						Repair work for major discharge water canals to be completed on Oct. 22nd.	
	Dismantling of Arahama-side arrestor steel tower							Dismantling work planned from Oct. 14th to Nov. 3rd.

※ 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.