

### 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 21st, 2007 (Sun) to November 17th, 2007 (Sat)

System/Equipment	Items	Oct. 21st (Sun) to Oct. 27th (Sat)	Oct. 28th (Sun) to Nov. 3rd (Sat)	Nov. 4th (Sun) to Nov. 10th (Sat)	Nov. 11th (Sun) to Nov. 17th (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 planned from Oct. 24th to Nov. 14th.
		Refueling floor service tools inspection (stud tensioners, etc.)					Coordinating for start date of inspection.
		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	Submerged equipment inspection on ground floor 5 of the reactor combination building					Low Conductivity Waste (A) system partial restoration completed on Oct. 15th. High Conductivity Waste system (A) and Storm Drain system (A) and (B) currently partially restored.
		Main transformers inspection (visual inspection) preparation inspection					To be prepared from Oct. 22nd to Oct. 27th. Visual inspection planned from Oct. 31st. to Nov. 1st.
		(oil extraction/internal inspection) preparation inspection					To be prepared from Oct. 29th to Nov. 9th. Preparation to be transported into the factory from Oct. 29th. Inspection planned from Nov. 10th to Nov. 14th.
Excitation transformers inspection (oil extraction/internal inspection)						Inspection completed on 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 completed on Oct. 24th. Dryer/Separator pit and reactor-well 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. Nozzle parts etc. to be prepared from Nov. 14th. 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 Nov. 28th to late December.
	Restoration/Inspection of Equipments	Main transformers inspection (preparation for transportation into the factory)					Preparation to be transported into the factory from Nov. 1st.
		House transformers inspection (visual inspection) preparation inspection					2A To be prepared from Oct. 15th to Oct. 20th, Nov. 1st to Nov. 7th. 2B To be prepared from Nov. 1st to Nov. 7th.
(oil extraction/internal inspection) preparation inspection						2A Inspection planned from Oct. 22nd to Oct. 23rd, Nov. 8th to Nov. 9th. . 2B Inspection planned from Oct. 29th to Oct. 30th, Nov. 15th to Nov. 16th.	
Excitation transformers inspection (visual inspection) preparation inspection						To be prepared from Nov. 8th to Nov. 16th. Inspection planned from Nov. 19th to Nov. 20th.	
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 21st, 2007 (Sun) to November 17th, 2007 (Sat)

System/Equipment	Items	Oct. 21st (Sun) to Oct. 27th (Sat)	Oct. 28th (Sun) to Nov. 3rd (Sat)	Nov. 4th (Sun) to Nov. 10th (Sat)	Nov. 11th (Sun) to Nov. 17th (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 on Nov. 12th.	
		Refueling floor service tools inspection (stud tensioners, etc.)	▼				Inspection commenced on Oct. 24th.
		Restoration for the blowout panel of reactor building		▼			Provisional restoration completed. Survey for restoration planned from Sept. 25th to Oct. 30th. Coordinating for start date of restoration work.
		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 inspection					Casing opening and internal inspection planned from Nov. 21st to mid-December.
	Restoration/Inspection of Equipments	Main transformers inspection (oil extraction/internal inspection) preparation inspection					Preparation to be transported into the factory from Oct. 18th. Inspection planned from Oct. 18th to Oct. 26th.
		House transformers inspection (oil extraction/internal inspection)	▼				3A Inspection completed on Oct. 22nd. * 3B Transportation completed on Sept. 20th.
		Excitation transformers inspection (visual inspection) (oil extraction/internal inspection) preparation inspection	▼	▼	▼		Inspection completed on Oct. 19th. To be prepared from Oct. 22nd to Oct. 30th. Inspection planned from Oct. 31rd to Nov. 2nd.
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 Nov. 9th.
	Refueling machine inspection		▼			Inspection planned from Oct. 24th to Dec. 3rd.	
	Refueling floor service tools inspection (stud tensioners, etc.)						Inspection planned from Oct. 9th to Dec. 3rd.
	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 inspection			▼		Casing opening and internal inspection planned from Nov. 7th to late November.
	Restoration/Inspection of Equipments	Main transformers inspection					Coordinating for start date of inspection.
		House transformers inspection					4A, 4B Coordinating for start date of inspection.
		Excitation transformers inspection					Coordinating for start date of inspection.

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 21st, 2007 (Sun) to November 17th, 2007 (Sat)

System/Equipment	Items	Oct. 21st (Sun) to Oct. 27th (Sat)	Oct. 28th (Sun) to Nov. 3rd (Sat)	Nov. 4th (Sun) to Nov. 10th (Sat)	Nov. 11th (Sun) to Nov. 17th (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 completed on Oct. 19th.	
		Refueling floor service tools inspection (stud tensioners, etc.)				Inspection completed on Oct. 19th.	
		Reactor head opening					Reactor head opening work planned from Oct. 20th to Oct. 29th. Dryer/Separator pit and reactor-well to be filled with water Oct. 23rd to Oct. 26th.
		In-core inspection					In-core inspection to be commenced after reactor head opening completed. Phase1* & Phase2* inspection planned from Nov. 14th.
		Reactor pressure vessel inspection preparation inspection					To be prepared from Oct. 29th to Oct. 31st. Inspection planned from Nov. 1st to Nov. 2nd. 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. 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 start date of inspection.
		House transformers inspection					5A, 5B Coordinating for start date of inspection.
Excitation transformers inspection						Coordinating for start date of inspection.	
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 planned from Sept. 27th to Nov. 12th.
		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. 12th.
		In-core inspection					Inspection due to be commenced on Nov. 12th.
		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 into the factory)					Preparation to be transported into the factory from Oct. 7th. To be transported into the factory on Oct. 30th.
		House transformers inspection(preparation for tranportation into the factory)					Preparation to be transported into the factory from Sept. 22nd to Oct. 15th. To be transported into the factory on Oct. 25th.
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 21st, 2007 (Sun) to November 17th, 2007 (Sat)

System/Equipment	Items	Oct. 21st (Sun) to Oct. 27th (Sat)	Oct. 28th (Sun) to Nov. 3rd (Sat)	Nov. 4th (Sun) to Nov. 10th (Sat)	Nov. 11th (Sun) to Nov. 17th (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 commenced on Oct. 9th. Fuel removal completed on Oct. 23. Withdrawal of the control rod that experienced separation completed on Oct. 24. Phase1* & Phase2* in-core inspection due to be commenced after reactor well inspection completed.
		Reactor pressure vessel inspection preparation inspection					To be prepared from Oct. 22nd to Oct. 25th. Inspection planned from Oct. 26th to Oct. 29th. Support structure (foundation bolts and sway brace) to be inspected.
		Reactor-well inspection					Inspection planned from Nov. 25th to mid-November.
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 into the factory)					Preparation to be transported into the factory from Sept. 19th. To be transported into the factory on Oct. 25th.	
	House transformers inspection (oil extraction/internal inspection) preparation					7A, 7B Inspection preparation commenced from on 22nd.	
	Main generator inspection					Inspection due to be commenced on Oct. 31st.	
	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. 29th, Nov. 1st, 7th, and 9th. Unit No. 6 Stand-by Liquid Control System verification test run planned on Oct. 26th.	
	Verification operation of feedwater pump and condensate pump preparation operation					Unit No.7 to be filled with water from Oct. 25th to Nov. 8th. Unit No.7 verification operation planned from Nov. 6th to Nov. 9th.	
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)					Internal inspection planned from Oct. 20th to Oct. 25th. Electricity to be received on 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) 4A: inspection underway. 4B: inspection 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.					Restoration of the slope completed on Oct. 22rd.	
	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.