

Work Schedule of the Main Inspection/Restoration of the Kashiwazaki-Kariwa Nuclear Power Station in Response to the Niigata-Chuetsu-Oki Earthquake (during 4 Weeks)(1/2)

【Inspection/Restoration Status】
◆From February 7, 2010 (Sun) to March 6, 2010 (Sat)

System / Equipment	Items	February 7 (Sun) to February 13 (Sat)	February 14 (Sun) to February 20 (Sat)	February 21 (Sun) to February 27 (Sat)	February 28 (Sun) to March 6 (Sat)	Status of Inspection / Restoration
Unit 1	Reactor facilities	Primary containment vessel closure				Closure work completed on Feb. 9, 2010.
	Verification of system integrity	System functional test				System functional test to be conducted from Nov. 17, 2009 to Feb. 12, 2010. Performance test for steam turbine #2 conducted on Feb. 4, 2010. Primary containment vessel leak-rate inspection conducted on Feb. 8 and Feb. 9, 2010. Performance test for reactor building airtightness to be conducted on Feb. 12, 2010. Functional test of primary containment vessel spray system to be conducted on Feb. 12, 2010.
Unit 2	Reactor facilities	Core shroud preventive maintenance				Preventive maintenance commenced on Feb. 8, 2010.
	Turbine facilities	Turbine inspection				High-pressure turbine and low-pressure turbine (A) (B) (C) detailed inspection commenced on Dec. 7, 2009.
	Other facilities	House transformer inspection				Carrying in and installation work commenced on Nov. 30, 2009.
		Excitation transformer inspection				Carrying in and installation work commenced on Nov. 30, 2009.
		Main generator inspection				Inspection commenced on Mar. 19, 2008.
Main exhaust duct inspection / restoration					Preparation for restoration work commenced on Aug. 9, 2008. Restoration of substructure commenced on Dec. 1, 2008.	
Unit 3	Turbine facilities	Turbine inspection				High-pressure turbine and low-pressure turbine (A) (B) (C) detailed inspection commenced on May 7, 2008.
	Other facilities	Main transformer inspection				Carrying in and installation work commenced on Aug. 10, 2009.
		House transformer inspection				3A, 3B Installation work commenced on Nov. 18, 2008.
		Excitation transformer inspection				Installation work commenced on Nov. 18, 2008.
		Main generator inspection				Inspection commenced on Feb. 20, 2008.
		Inspection of power supply input transformer of the primary loop recirculation system adjustable speed drive				Transformer (B) carrying in and installation work commenced on May 27, 2009. Transformer (A) carrying in and installation work commenced on Jun. 3, 2009.
		500kV power cable inspection				Laying cables completed on Jan. 29, 2010.
		Main exhaust duct inspection / restoration				Restoration work of substructure commenced on Jan. 9, 2009. Restoration work of main exhaust duct commenced on Sep. 3, 2009.
	Seismic reinforcement	Circulating water pipe inspection				Foundation improvement, excavating work, and inspection of pipes commenced on Jun. 16, 2008.
		Seismic reinforcement works for reactor building overhead crane				Reinforcement work commenced on Dec. 8, 2009.
		Seismic reinforcement works for stack				Reinforcement work commenced on Jul. 21, 2009.
Seismic reinforcement works for the fuel handling machine					Reinforcement work commenced on Nov. 2, 2009.	
Unit 4	Turbine facilities	Turbine inspection				High-pressure turbine and low-pressure turbine (A) (B) (C) detailed inspection commenced on Aug. 3, 2009. Low-pressure turbine (A) (B) restoration work of blades conducted from Sep. 28, 2009 to Feb. 10, 2010.
	Other facilities	Main transformer inspection				Carrying in and installation work commenced on Aug. 28, 2009.
		House transformer inspection				Carrying in and installation work commenced on Sep. 2, 2009.
		Excitation transformer inspection				Carrying in and installation work commenced on Sep. 2, 2009.
		Main generator inspection				Inspection commenced on Jan. 15, 2008.
		Inspection of power supply input transformer of the primary loop recirculation system adjustable speed drive				Carrying in and installation work commenced on Jun. 12, 2009.
		500kV power cable inspection				Laying cables commenced on Jan. 27, 2010.
		Main exhaust duct inspection / restoration				Restoration work commenced on Jan. 11, 2010.
	Restoration work of standby gas treatment system piping duct substructure				Restoration work commenced on Oct. 30, 2009.	
	Seismic reinforcement	Seismic reinforcement works for reactor building overhead crane				Reinforcement work commenced on Oct. 21, 2009.
Seismic reinforcement works for stack					Reinforcement work commenced on Jul. 6, 2009.	

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

【Inspection/Restoration Status】

◆From February 7, 2010 (Sun) to March 6, 2010 (Sat)

System / Equipment		Items	February 7 (Sun) to February 13 (Sat)	February 14 (Sun) to February 20 (Sat)	February 21 (Sun) to February 27 (Sat)	February 28 (Sun) to March 6 (Sat)	Status of Inspection / Restoration
Unit 5	Reactor facilities	Reactor pressure vessel closure					Closure work completed on Feb. 6, 2010.
		Primary containment vessel closure					Closure work to be conducted from Feb. 7, 2010 to Feb. 17, 2010.
	Verification of system integrity	System functional test					System functional test commenced on Nov. 13, 2009. Functional test of control rod drive system conducted on Feb. 5, 2010. Performance test for steam turbine #2 conducted on Feb. 9, 2010. Selected control rod insertion inspection conducted on Feb. 10, 2010. Partial interlock functional test of reactor protection system to be conducted on Feb. 13, 2010. Primary containment vessel leak-rate inspection to be conducted from Feb. 15 to Feb. 17, 2010.
Transformer (common) / Switch Yard	High-voltage start-up transformer #2 inspection						Carrying in and installation work completed on Feb. 3, 2010.
	On-site check / inspection / restoration of the oil protection bank for the transformer						Unit 2 Restoration work commenced on Nov. 17, 2009.
Environmental Facilities	House boilers inspection						(Arahama-side) 3A Electric boiler transformer carrying in, installation work and test run completed on Feb. 2, 2010.
	Restoration work of filtrate tank / demineralized tank on Arahama-side						Restoration work of No.1 filtrate tank commenced on Jun. 1, 2009. Preparation for restoration work of No.2 demineralized tank to be commenced on Feb. 15, 2010.
Others	Restoration work for solid waste storage facility						Prevention countermeasure for drum falling commenced on Jan. 16, 2009.
	Restoration work for administration building / information building, etc.						Restoration work for administration building and information building is underway.
	Reinforcement works for spent fuel transportation cask storage building						Reinforcement work commenced on Nov. 2, 2009.
	Restoration of laundry facility building on Arahama-side						Restoration work commenced on Jan. 30, 2009.
	Reconstruction of arrestor steel tower on Arahama-side						Reconstruction commenced on Jun. 17, 2009.
	Reconstruction of arrestor steel tower on Ominato-side						Reconstruction commenced on Sep. 3, 2009.
	Restoration and reinforcement work for the on-site / outside roads & slope, etc.						Restoration work for roads inside and outside of the site currently in progress. Restoration work of Daimi Takamachi Bridge commenced on May 12, 2009. Maintenance work for the slope behind Daimi Kigyou Center commenced on Oct. 20, 2009.

* 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.

* Unit 6 and Unit 7 are in the commercial poeration.