

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 August 23, 2009 (Sun) to September 19, 2009 (Sat)

System / Equipment		Items	August 23 (Sun) to August 29 (Sat)	August 30 (Sun) to September 5 (Sat)	September 6 (Sun) to September 12 (Sat)	September 13 (Sun) to September 19 (Sat)	Status of Inspection / Restoration
Unit No.1	Turbine facilities	Turbine inspection					High-pressure turbine and low pressure turbine (A) (B) (C) detailed inspection commenced on Nov. 17, 2008.
	Other facilities	Main transformer inspection					Carrying in and installation work commenced on Apr. 20.
		House transformer inspection					1A, 1B Carrying in and installation work commenced on Mar. 30.
		Excitation transformer inspection					Carrying in and installation work commenced on Mar. 30.
		Main generator inspection					Inspection commenced on Feb. 7, 2008.
		500kV power cable inspection					Laying cables commenced on Jun. 2.
		Main exhaust duct inspection / restoration					Restoration of substruction commenced on Dec. 1, 2008. Restoration work of main exhaust duct commenced on Jul. 29, 2009.
		Circulating water pipe inspection					Foundation improvement, excavating work, and inspection of pipes commenced on Aug. 6, 2008.
	Seismic reinforcement	Seismic reinforcement works such as pipe supports					Reinforcement work commenced on Jul. 16.
		Seismic reinforcement works for reactor building overhead crane					Reinforcement work commenced on Jun. 9.
		Seismic reinforcement works for stack (Unit No.1 and Unit No.2)					Reinforcement work commenced on Jul. 27.
		Seismic reinforcement works for the fuel handling machine					Reinforcement work commenced on Jan. 30.
		Seismic reinforcement works for emergency intake channel					Foundation improvement work commenced on Feb. 9.
Unit No.2	Reactor facilities	Reactor recirculation piping preventive maintenance					Perparation work commenced on Dec. 16, 2008. Ultrasonic testing commenced on Feb. 18.
	Turbine facilities	Turbine inspection					High-pressure turbine and low-pressure turbine (A) internal inspection completed.
	Other facilities	House transformer inspection					Transportation into the factory is underway.
		Excitation transformer inspection					Transportation into the factory is underway.
		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 substruction commenced on Dec. 1, 2008.
	Seismic reinforcement	Seismic reinforcement works for the roof truss of the reactor building					Reinforcement work completed on Aug. 21.
Unit No.3	Turbine facilities	Turbine inspection					High-pressure turbine and low-pressure turbine (A) (B) (C) detailed inspection commenced on May 7, 2008. Low-pressure turbine (A) (B) restoration work of blades commenced on Jun. 25, 2008. (Replacement of wear and contacted blades.)
	Other facilities	Main transformer inspection					Carrying in and installation work to be commenced on Aug. 10.
		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. Transformer (A) carrying in and installation work commenced on Jun. 3.
		500kV power cable inspection					Laying cables commenced on Jul. 17.
		Main exhaust duct inspection / restoration					Preparation for restoration work of main exhaust duct completed on Aug. 26, 2009. Restoration work to be commenced on Sep. 3. Restoration work of substruction commenced on Jan. 9.
		Circulating water pipe inspection					Foundation improvement, excavating work, and inspection of pipes commenced on Jun. 16, 2008.
	Seismic reinforcement	Seismic reinforcement works for stack					Reinforcement work commenced on Jul. 21
Unit No.4	Turbine facilities	Turbine inspection					High-pressure turbine and low-pressure turbine (A) (B) (C) detailed inspection commenced on Aug. 3.
	Other facilities	Main transformer inspection					Carrying in and installation work to be commenced on Aug. 28.
		House transformer inspection					Carrying in and installation work to be commenced on Sep. 1.
		Excitation transformer inspection					Carrying in and installation work to be commenced on Sep. 1.
		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.
		Main exhaust duct inspection / restoration					Preparation for restoration work commenced on Jun. 23, 2008.
	Seismic reinforcement	Seismic reinforcement works for the roof truss of the reactor building					Reinforcement work to be conducted from May 18 to Sep. 7.
		Seismic reinforcement works for stack					Reinforcement work commenced on Jul. 6.

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◆From August 23, 2009 (Sun) to September 19, 2009 (Sat)

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)

System / Equipment		Items	August 23 (Sun) to August 29 (Sat)	August 30 (Sun) to September 5 (Sat)	September 6 (Sun) to September 12 (Sat)	September 13 (Sun) to September 19 (Sat)	Status of Inspection / Restoration
Unit No.5	Turbine facilities	Turbine inspection					High-pressure turbine and low-pressure turbine (A) (B) (C) detailed inspection commenced on May 25.
	Other facilities	Main transformer inspection					Carrying in and installation work commenced on Mar. 25.
		House transformer inspection					5A, 5B Carrying in and installation work commenced on Apr. 25.
		Excitation transformer inspection					Carrying in and installation work commenced on Mar. 2.
		500kV power cable inspection					Laying cables commenced on Aug. 10.
		Main exhaust duct inspection / restoration					Restoration work of duct commenced on Jun. 8.
		Circulating water pipe inspection					Foundation improvement, excavating work, and inspection of pipes commenced on Oct. 25, 2008.
	Seismic reinforcement	Seismic reinforcement works such as pipe supports					Reinforcement work commenced on Apr. 28.
		Seismic reinforcement works for reactor building overhead crane					Reinforcement work to be conducted from May 28 to Aug. 28.
		Seismic reinforcement works for stack					Reinforcement work commenced on Jun. 23.
		Seismic reinforcement works for the fuel handling machine					Reinforcement work to be conducted from Apr. 23 to Sep. 24.
Unit No.6		Functional test for the entire plant					Functional test for the entire plant commenced on Aug. 25. Restarting the nuclear reactor commenced on Aug. 26.
Unit No.7		Functional test for the entire plant					Final evaluation of functional tests for the entire plant completed on Jun. 19.
Transformer (common) / Switch Yard	High-voltage start-up transformer #2 inspection						Transportation into the factory is underway.
	On-site check / inspection / restoration of the oil protection bank for the transformer						Unit No.1 Restoration work commenced on Oct. 4, 2008. Unit No.2 Preparation for restoration work commenced on May 20, 2008. Unit No.4 Restoration work to be conducted from Dec. 13, 2008 to Aug. 29, 2009. Scrubbing of soil contaminated by oil leakage completed on Aug. 25, 2009.
Environmental Facilities	House boilers inspection						(Arahama-side) 1A Inspection to be conducted from Apr. 8, 2008 to September 2009. 3A Transportation of the electric boiler transformer to the factory is underway.
	Restoration work of filtrate tank / demineralized tank on Arahama-side						Preparation for restoration work of No.1 filtrate tank/demineralized tank commenced on Dec. 2, 2008. Restoration work of No.1 demineralized tank commenced on May 26. Restoration work of No.1 filtrate tank commenced on Jun. 1.
Others	Restoration work for solid waste storage facility						Prevention countermeasure for drum falling commenced on Jan. 16.
	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						Preparation for reinforcement work commenced on Aug. 24. Reinforcement work to be commenced in early October.
	Construction of seismic-isolated essential buildings						Construction commenced on Oct. 14, 2008.
	Restoration of laundry facility building on Arahama-side						Restoration work commenced on Jan. 30.
	Reconstruction of arrestor steel tower on Arahama-side						Reconstruction commenced on Jun. 17.
	Reconstruction of arrestor steel tower on Ominato-side						Reconstruction to be commenced on Sep. 3.
	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. Maintenance work of the slope in front of sub protection headquarter office commenced on May 13. Restoration work of Daini Takamachi Bridge commenced on May 12.
	Restoration work for port facility						Restoration work for bank protection commenced on Apr. 3, 2008.

※ 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.