

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 July 05, 2009 (Sun) to August 1, 2009 (Sat)

System / Equipment		Items	July 5 (Sun) to July 11 (Sat)	July 12 (Sun) to July 18 (Sat)	July 19 (Sun) to July 25 (Sat)	July 26 (Sun) to August 1 (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	Submerged equipment inspection on ground floor 5 of the reactor combination building					Restoration work completed on Jun. 30.
		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					Preparation for restoration work commenced on Aug. 9, 2008. Restoration of substruction commenced on Dec. 1, 2008.
		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					Preparation for reinforcement work commenced on Mar. 10.
		Seismic reinforcement works for the roof truss of the reactor building					Reinforcement work to be cobducted from Jan. 22 to Jul. 13.
		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)					Preparation for reinforcement workto be conducted from Feb. 16 to Jul. 14. Reinforcement work to be commenced on Jul. 15.
		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. Preventive maintenance of branch pipe completed on Jul. 8.
	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 commenced on Jun. 15.
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					Transportation into the factory is underway.
		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					Preparation work for laying cables to be conducted from May 20 to Jul.16. Laying cables to be commenced on Jul. 17.
		Main exhaust duct inspection / restoration					Preparation for restoration work commenced on Jul. 23, 2008. Restoration 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 the roof truss of the reactor building					Reinforcement work completed on Jul. 7.
		Seismic reinforcement works for stack					Preparation for reinforcement work to be conduted from Feb. 2 to Jul. 12. Reinforcement work to be commenced on Jul. 13
Unit No.4	Turbine facilities	Turbine inspection					High-pressure turbine and low-pressure turbine (A) (B) (C) detailed inspection to be commenced in earlyAugust.
	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 Jan. 15, 2008. Rotor carrying in completed on Jul. 7.
		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 commenced on May 18.
		Seismic reinforcement works for stack					Preparation for reinforcement work completed on Jul. 5. Reinforcement work commenced on Jul. 6.

【Inspection/Restoration Status】
◆From July 05, 2009 (Sun) to August 1, 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	July 5 (Sun) to July 11 (Sat)	July 12 (Sun) to July 18 (Sat)	July 19 (Sun) to July 25 (Sat)	July 26 (Sun) to August 1 (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					Preparation work for laying cables commenced on Jun. 29. Laying cables to be commenced in early August.
		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 commenced on May 28.
		Seismic reinforcement works for stack					Reinforcement work commenced on Jun. 23.
		Seismic reinforcement works for the fuel handling machine					Reinforcement work commenced on Apr. 23.
Unit No.6							
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.3 Restoration work completed on Jul. 7, 2009. Unit No.4 Restoration work commenced on Dec. 13, 2008. Unit No.5 Restoration work to be conducted from Aug. 27, 2008 to Jul. 17, 2009. Scrubbing of soil contaminated by oil leakage commenced on Sep. 16, 2008.
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 demineralized tank commenced on May 26. Restoration work of filtrate tank commenced on Jun. 1.
Others		Restoration work for solid waste storage facility					Prevention countermeasure for drum falling commrnced on Jan. 16.
		Restoration work for administration building / information building, etc.					Restoration work for administration building and information building is underway.
		Construction of seismic-isolated essential buildings					Construction commenced on Oct. 14, 2008.
		Restoration of laundry facility building on Arahama-side					Restoration work to be conducted from Jan. 30 to late September.
		Reconstruction of arrestor steel tower on Arahama-side					Reconstruction commenced on Jun. 17.
		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.