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)

	System / Equipment	Items	November 15 (Sun) to November 21 (Sat	November 22 (Sun) to November 28 (Sat) November 29 (Sun) to December 5 (Sat)	December 6 (Sun) to December 12 (Sat)	Status of Inspection / Restoration
Unit No.1	Reactor facilities	Core shroud preventive maintenance				Preventive maintenance work to be conducted from Nov. 7 to Nov. 26.
	Turbine facilities	Turbine inspection		V		High-pressure turbine and low pressure turbine (A) (B) (C) detailed inspection commenced on Nov. 17, 2008.
	Turbine facilities	Turbine inspection				Restoration of high-pressure turbine and low pressure turbine (A) (B) (C) to be commenced on Nov. 19.
	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		<u> </u>		Carrying in and installation work commenced on Mar. 30.
		Main generator inspection				Inspection commenced on Feb. 7, 2008.
		500kV power cable inspection				Laying cables to be conducted from Jun. 2 to Nov. 28.
		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			1	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 stack (Unit No.1 and Unit No.2)				Reinforcement work commenced on Jul. 27.
		Seismic reinforcement works for emergency intake channel				Foundation improvement work to be conducted from Feb. 9 to Dec. 10. Reinforcement work for the bank protection connection to be
		Seisme removement works for emergency make channel				conducted from Oct. 5 to Dec.10
						System functional commenced on Nov. 17, 2009. Functional test of DC power source system commenced on Nov. 17.
	Verification of system integrity	System functional test				Functional test of flammability control system conducted on Nov. 18. Functional test of standby liquid control system to be conducted on Nov. 20.
						Functional test of main control room emergency circulation system to be conducted on Nov. 26.
Unit No.2	Turbine facilities	Turbine inspection				High-pressure turbine and low-pressure turbine (A) internal inspection completed.
	Other facilities	House transformer inspection				Carrying in and installation work to be commenced on Nov. 30.
		Excitation transformer inspection				Carrying in and installation work to be commenced on Nov. 30.
		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.
Unit No.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.
		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				Transformer (B) carrying in and installation work commenced on May 27. Transformer (A) carrying in and installation work comm
		adjustable speed drive				on Jun. 3.
		500kV power cable inspection				Laying cables commenced on Jul. 17. Voltage application test to be conducted on Nov. 30.
		Main exhaust duct inspection / restoration				Restoration work of substruction commenced on Jan. 9. Restoration work of main exhaust duct commenced on Sep. 3.
		Circulating water pipe inspection				Foundation improvement, excavating work, and inspection of pipes commenced on Jun. 16, 2008.
	Seismic reinforcement	Seismic reinforcement works for reactor building overhead crane				Preparation for reinforcement work to be conducted from Nov. 2 to Dec. 3. Reinforcement work commenced on Dec. 4.
		Seismic reinforcement works for stack				Reinforcement work commenced on Jul. 21.
		Seismic reinforcement works for the fuel handling machine				Reinforcement work commenced on Nov. 2.
Unit No.4	Turbine facilities	Turbine inspection				High-pressure turbine and low-pressure turbine (A) (B) (C) detailed inspection commenced on Aug. 3. Low-pressure turbine (A) (B) restoration work of blades commenced on Sep. 28, 2009. (Replacement of wear and contacted blades
	Other facilities	Main transformer inspection				Carrying in and installation work commenced on Aug. 28.
		House transformer inspection				Carrying in and installation work commenced on Sep. 2.
		Excitation transformer inspection				Carrying in and installation work commenced on Sep. 2.
		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.
		500kV power cable inspection				Preparation for laying cables to be commenced on Nov. 26.
		Main exhaust duct inspection / restoration				Preparation for restoration work commenced on Jun. 23, 2008.
		Restoration work of standby gas treatment system piping duct substruction				Restoration work commenced on Oct. 30.
		Seismic reinforcement works for reactor building overhead crane				Reinforcement work commenced on Oct. 21.
	Solution remote them.					
	1	Seismic reinforcement works for stack				Reinforcement work commenced on Jul. 6.

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	November 15 (Sun) to November 21 (Sat)	November 22 (Sun) to November 28 (Sat) November 29 (Sun) to December 5 (Sat)	December 6 (Sun) to December 12 (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. Restoration work of high-pressure turbine and low-pressure turbine (A) (B) (C) commenced on Oct. 29.
	Other facilities	Main transformer inspection		V		Carrying in and installation work commenced on Mar. 25. Pre-operation test to be conducted on Dec. 2 and Dec. 3.
		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 to be conducted from Aug. 10 to Nov. 28. Voltage application test completed on Nov. 5.
		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 stack				Reinforcement work commenced on Jun. 23.
	Verification of system integrity	System functional test				System functional test commenced on Nov. 13, 2009. Functional test of standby liquid control system conducted on Nov. 13. Functional test of DC power source system conducted on Nov. 13. Partial interlock functional test of reactor protection systemm commenced on Nov. 16. Functional test of automatic depressurization system conducted on Nov. 18. Functional test of standby gas treatment system conducted on Nov. 19. Functional test of instrument compression air system conducted on Nov. 19. Partial interlock functional test for liquid waste storage facility and disposal equipment #1 conducted on Nov. 19. Functional test of flammability control system to be conducted on Nov. 20. Functional test of primary containment vessel spray system to be conducted on Nov. 23. Rated capacity verification test for emergency dissel generator to be conducted on Nov. 23. Functional test of the emergency dissel generator, high pressure core spray system to be conducted on Nov. 26.
Unit No.6		Functional test for the entire plant				Final evaluation of functional tests for the entire plant completed on Sep. 28.
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				Carrying in and installation work commenced on Nov. 9.
		On-site check / inspection / restoration of the oil protection bank for the transformer				Unit No.2 Preparation for restoration work completed on Nov. 16. Restoration work commenced on 17.
Environmental Facilities		House boilers inspection				(Arahama-side) 1A Inspection to be conducted from Apr. 8, 2008 to mid-December 2009. 3A Electric boiler transformer carrying in and installation work commenced on Oct. 13.
		Restoration work of filtrate tank / demineralized tank on Arahama-side				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				Reinforcement work commenced on Nov. 2.
		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 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 conducted from May 13 to Nov. 30. Restoration work of Daini Takamachi Bridge commenced on May 12. Maintenance work for the slope behind Daini Kigyou Center commenced on Oct. 20.
		Restoration work for port facility				Restoration work for bank protection to be conducted from Apr. 3, 2008 to Nov. 30, 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.

 \divideontimes Unit No. 6 and Unit No. 7 are in the pre-conditioning operation at rated thermal output.