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) (1/3)

[Inspection/Restoration Status]

System/Equipment	Items	June 15th (Sun) to June 21st (Sat) June 22nd (Sun) to June 28th (Sat) June 29th (Sun) to July 5th (Sat) July 6th (Sun) to July 12th (Sat)		June 29th (Sun) to July 5th (Sat) July 6th (Sun) to July 12th (Sat)	Status of Inspection / Restoration
Jnit No.1 Reactor facilities	Inspection of reactor recirculation piping applicable to the Fitness-for-Service rule	V			Inspection commenced on Jun. 16.
	Inspection of new fuel storage warehouse and new fuels in the warehouse				Inspection of new fuels completed on Jun 9.
Turbine facilities	Turbine inspection *2				Low pressure turbine (B) internal inspection completed on Nov. 30.
Other facilities	Submerged equipment inspection on ground floor 5 of the reactor combination building				Restoration work commenced on Mar. 17.
	Main transformer inspection			V	Preparation for on-site transportation to be conducted from May 12 to Jul. 9. On-site transportation to be conducted on Jul. 9.
	House transformer inspection				Preparation for on-site transportation commenced on Jun. 14. 1A Transportation into the factory to be conducted on Jul. 9. 1B Transportation into the factory to be conducted on Jul. 18.
	Excitation transformer inspection				Preparation for transportation completed on Jun 16. Transportation into the factory completed on Jun. 17.
	Main generator inspection				Inspection commenced on Feb. 7. Withdrawal of rotor completed on Mar. 5.
	500kV power cable inspection			V	Removal of cables to be conducted from Jun. 30 to mid-September.
	Stack inspection (Unit No. 1 / Unit No. 2)				Inspection for substructure of piles commenced on Apr. 4. Detailed inspection for top of stack commenced on Jun. 9.
	Main exhaust duct inspection / restoration				Visual inspection completed on Sep. 14. Survey completed on Jun. 6 prior to restoration work.
Unit No.2 Reactor facilities	Core shroud inspection		$\overline{}$		Inspection to be commenced on Jun. 24.
	Inspection of new fuel storage warehouse and new fuels in the warehouse				Inspection of new fuel storage warehouse to be conducted on Jul. 1. New fuels to be inspected from Jul. 2 to Jul. 11.
Turbine facilities	Turbine inspection *2				High pressure turbine and low pressure turbine (A) internal inspection completed on Dec. 21.
Other facilities	Main transformer inspection				On-site transportation completed on Jun. 3.
	House transformer inspection				Transportation into the factory is underway.
	Excitation transformer inspection				On-site transportation completed on May 16.
	Main generator inspection				Inspection commenced on Mar. 19. Withdrawal of the rotor completed on Apr. 9.
	500 kV power cable inspection				Removal of cables to be conducted from Jun. 2 to Jul. 12.
	Main exhaust duct inspection / restoration				Visual inspection completed on Oct. 5. Survey completed on Jun. 6 prior to restoration work.
Jnit No.3 Reactor facilities	or facilities Core shroud inspection / preventive maintenance			Inspection commenced on May 19. Preventive maintenance commenced on June 11.	
Turbine facilities	Turbine inspection *2				Low pressure turbine (B) (C) detailed inspection commenced on May 7. High pressure turbine and low pressure turbine (A) detailed inspection to be commenced on Jun. 25. Low pressure turbine (A) (B) restoration work of blade to be commenced on Jun. 25. (Replacement of wear and contacted blade.)
Other facilities	Main transformer inspection				Transportation into the factory completed on Jun. 6.
	House transformer inspection				Transportation into the factory is underway.
	Excitation transformer inspection				Transportation into the factory is underway.
	Main generator inspection				Inspection commenced on Feb. 20. Transportation of rotor completed on May 15.
	500 kV power cable inspection		V		Removal of cables to be conducted from Jun. 23 to Jul. 17.
	Stack inspection				Inspection for substructure of piles completed on Jun. 10. Detailed inspection for top of stack commenced on Jun. 16.
	Main exhaust duct inspection / restoration				Visual inspection completed on Sep. 14. Survey completed on May 30 prior to restoration work.
	Circulating water pipe inspection				Foundation improvement, excavating work, and inspection of pipes commenced on Jun. 16.

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) (2/3)

[Inspection/Restoration Status]

	From June	15th, 2008 ((Sun) to Jul	v 12th, 2008	(Sat)
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From June 15th, 2008	(Sun) to July	12th, 2008 (Sat)					
System/Equipme	nent	Items	June 15th (Sun) to June 21st (Sat) June 22nd (Sun) to June 28th (Sat	June 29th (Sun) to July 5th (Sat)	July 6th (Sun) to July 12th (Sat)	Status of Inspection / Restoration	
Jnit No.4 Reactor faci		ruel / control rod inspection s ¹	V		v	issual inspection of fuels to be conducted from Mar. 21 to Mar. 27, and from Jun. 17 to Jul. 4. issual inspection of channel boxes completed on Apr. 21. issual inspection of control rod completed on Apr. 21	
Turbine faci	cilities 7	Turbine inspection *2			L	ow pressure turbine (A) (B) (C) detailed inspection to be commenced on Jun. 19.	
Other facilities	ities	Main transformer inspection				spection completed on Dec. 13. Preparation for transportation into the factory conducted from Dec. 14 to Dec. 27 and from Jun. 2. Coordinating for the start d transportation into the factory.	
	1	House transformer inspection	$\overline{}$		4.	A, 4B Preparation for inspection commenced on Jun. 16. Coordinating for the start date of transportation into the factory.	
	I	Excitation transformer inspection	$\overline{}$		P	reparation for inspection commenced on Jun. 16. Coordinating for the start date of transportation into the factory.	
	N	Main generator inspection			Ir	spection commenced on Jan. 15. Transportation of rotor into the factory completed on Jun. 11.	
	S	stack inspection			Ir	spection for substructure of piles to be commenced in early July.	
		Aain exhaust duct inspection / restoration			v	isual inspection completed on Oct. 5. Survey commenced on Jun. 2 prior to restoration work.	
Jnit No.5 Reactor faci	cilities J	et pump inspection			R	oot-cause analysis is under consideration.	
	ī	Inspection of new fuel storage warehouse and new fuels in the warehouse			Ir	spection of new fuel storage warehouse to be conducted on Jul. 7. Inspection of new fuels to be conducted from Jul. 7 to mid-July.	
Turbine faci	cilities T	es Turbine inspection * ²			Н	igh pressure turbine and low pressure turbine (A) internal inspection completed on Dec. 14.	
Other facilit	ities	Aain transformer inspection			Pi	reparation for on-site transportation commenced on May 14.	
	E M	House transformer inspection			Т	ransportation into the factory is underway.	
		Excitation transformer inspection			Т	ransportation into the factory is underway.	
		Aain generator inspection			Ir	spection commenced on Nov. 3. Rotor carrying in completed on Apr. 24.	
		600kV power cable inspection			R	emoval of cables to be conducted from Jul. 10.	
		Stack inspection	lacksquare		Ir	spection for substructure of piles to be commenced on Jun. 20.	
	N	Aain exhaust duct inspection / restoration			v	isual inspection completed on Sep. 14. Survey completed on May 30 prior to restoration work. Preparation work for restoration commenced on Jun. 2.	
Jnit No.6 Reactor faci	cilities I	nspection of new fuel storage warehouse and new fuels in the warehouse		Ir	Inspection of new fuels completed on Jun 9.		
Turbine faci	cilities 7	Curbine inspection *2			Н	igh pressure turbine and low pressure turbine (A) (B) (C) detailed inspection commenced on May 12.	
Other facilit	H R M	Aain transformer inspection			Ir	stallation work commenced on Apr. 30.	
		House transformer inspection			6.	A, 6B Installation work commenced on Apr. 14.	
		Reactor internal pump input transformer inspection			Ir	stallation work commenced on Mar. 26.	
		Aain generator inspection			Ir	spection commenced on Mar. 10. Withdrawal of the rotor completed on Apr. 3.	
		00kV power cable inspection			Ir	spection commenced on Feb. 9. Energization for testing without load completed on Apr. 12.	
		Discharge canal inspection / restoration				ischarge canal underwater inspection completed on Oct. 10. ternal inspection of discharge canal and maintenance work to be conducted from Feb. 26 to Jul. 19.	
	s	stack inspection	**			etailed inspection for top of stack to be conducted from Mar. 19 to Mar. 28, and from Jun. 16. ternal inspection of stack completed on Apr. 7.	
Seismic rein	nforcement S	eismic reinforcement works such as pipe supports				reparation works such as carrying in materials and installing scaffoldings carried out from Jun. 2. sismic reinforcement works such as those for pipe supports to be conducted as preparation is complete.	

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)(3/3)

[Inspection/Restoration Status]

From June 15th, 2008 (Sun) to Ju	ly 12th, 2008 (Sat)					
System/Equipment	Items	June 15th (Sun) to June 21st (Sat)	June 22nd (Sun) to June 28th (Sar	t) June 29th (Sun) to July 5th (Sat)	July 6th (Sun) to July 12th (Sat)	Status of Inspection / Restoration
Unit No.7 Reactor facilities	Reactor-well inspection					Inspection and provisional restoration completed on Nov. 15. (Vacuum work is still underway.) Repair of lining completed on Feb. 26. Repair of leakage confirmed on Mar. 14 and Mar. 15 when the reactor well was filled up with water.
Turbine facilities	Turbine inspection *2					High pressure turbine and low pressure turbine (A) (B) (C) detailed inspection commenced on Dec. 1. Low pressure turbine (A) (B) restoration work of blade commenced on Apr. 14. (Replacement of wear and contacted blade.)
Other facilities	Main transformer inspection					Installation work commenced on Apr. 10.
	House transformer inspection					7B Installation work commenced on Mar. 24. 7A Installation work commenced on Apr. 11.
	Reactor internal pump input transformer inspection					Electrical testing completed on Jun. 7. Coordinating for the start date of energization for testing without load.
	Main generator inspection					Inspection commenced on Nov. 2. Withdrawal of the rotor completed on Nov. 20.
	500kV power cable inspection					Inspection commenced on Jan. 22. Energization for testing without load completed on Mar. 22.
	Discharge canal inspection / restoration					Internal inspection of discharge canal and restoration work completed on Jun. 7. Removal of bypass pipe commenced on Jun. 18.
Seismic reinforcement	Seismic reinforcement works such as pipe supports					Preparation works such as carrying in materials and installing scaffoldings carried out from Jun. 2. Seismic reinforcement works such as those for pipe supports commenced on Jun. 16.
ransformer (common) / Switch	High-voltage start-up transformer #3 inspection					Transportation into the factory is underway.
'ard	On-site check / inspection / restoration of the oil protection bank for the transformer			Unit No.2 Preparation for restoration work commenced on May 20.		Unit No.3 Preparation for restoration work commenced on Feb. 12. Unit No.3 Recovery of oil-contaminated soil to be conducted from May. 9 to Jun. 28.
						Unit No. 5 reparation for restoration work commenced on Jun. 5. Unit No. 16 Foundation repair work to be commenced on Jun. 23. Unit No. 6 Foundation repair work to be commenced on Jun. 24.
invironmental Facilities	Inspection of house boilers					(Arahama-side) 1A, 2A, 2B: Restoration work commenced on Apr. 8. (Ohminato-side) 4A: Inspection to be conducted from Oct. 2 to Jun. 20. 4C: Inspection commenced on May 26.
	Restoration work for filtrate tank #3 and #4					No.4 Restoration work completed on Jun. 2. No.3 Restoration work commenced on Jun. 2.
Others	Restoration work for solid waste storage facility					Drum soundness verification work completed on Mar. 17. Transportation of drums to temporary warehouse commenced on Feb. 6.
	Inspection of spent fuel transportation cask					Inspection completed on Jun. 13.
	Restoration work for administration building / information building, etc.					Repair work of the second floor of the administrative building and the first and second floors of information building is underway.
	Construction of seismic-isolated essential buildings	▼				Site preparation work to be commenced on Jun. 23.
	Outdoor fire protection system piping to be placed above ground, installation of fire protection tank, etc					(Ohminato-side) Work on installing fire protection system piping above ground to be conducted from Mar. 21 to Jun. 27. (Arahama-side) Work on installing fire protection system piping above ground commenced on Apr. 28.
	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. Reinforcement work commenced on May 16.
	Restoration work for port facility				1	Restoration work on the wharf commenced on Mar. 17. Restoration work for bank protection commenced on Apr. 3.

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.

*1 Fuels and control rods were inspected visually by either underwater cameras or fiberscopes.

"Fuel visual inspection": Representative fuels that had been withdrawn will be inspected. The number of fuel bundles and fuel rods to be inspected differ among units based on the type of fuels and the size of the reactor core of each unit. "Channel box visual inspection": Channel boxes adjacent to those control rods subject to inspection will be inspected.

For unit 1, since all fuels and channel boxes were placed in the spent fuel pool at the time of the earthquake, channel boxes that housed fuels that were subject to inspection will be inspected.

"Control rod visual inspection": Representative control rods that had been withdrawn will be inspected. The number of control rods to be inspected differ among units based on the type of fuels and the size of the reactor core of each unit.

*2 Turbine inspection work will be conducted as follows:

- All units will be inspected in detail by opening all turbine casings after conducting internal inspection.

- An units with or inspection in the control of the