## 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 April 19th, 2009 (Sun) to May 16th, 2009 (Sat)

	1 19th, 2009 (Sun) to May 16th, 2 System / Equipment	Items	Apr. 19th (Sun) to Apr. 25th (Sat) Apr. 26th (Sun) to May 2nd (Sat) May 3rd (Sun) to May 9th (Sat) May 10th (Sun)	May 16th (Sat)	Status of Inspection / Restoration
	Turbine facilities	Turbine inspection *			re turbine and low pressure turbine (A) (B) (C) detailed inspection commenced on Nov. 17, 2008. «Work suspended from May 1 to May 6.»
	Other facilities	* Submerged equipment inspection on ground floor 5 of the reactor combination building			work to be conducted from Mar. 17, 2008 to late May 2009. < Work suspended from May 2 to May 10.>
	Ouler facilities	Main transformer inspection			and installation work commenced on Apr. 20. «Work suspended from Apr. 29 to May 6>
		House transformer inspection			and misananon work commenced on Apr. 20. < Work suspended from Apr. 29 to May 0.>
		Excitation transformer inspection			and installation work commenced on Mar. 30. < Work suspended from Apr. 29 to May 6.>
		Main generator inspection			ommenced on Feb. 7, 2008. <work 2="" 6.="" from="" may="" suspended="" to=""></work>
		500kV power cable inspection		Preparation w	work for laying cables commenced on Mar. 2.
		Main exhaust duct inspection / restoration		Preparation fo	for restoration work commenced on Aug. 9, 2008. Restoration of substruction commenced on Dec. 1, 2008. <work 2="" 6.="" from="" may="" suspended="" to=""></work>
		Circulating water pipe inspection		Foundation in	improvement, excavating work, and inspection of pipes commenced on Aug. 6, 2008. <work 10="" 29="" apr.="" from="" may="" suspended="" to=""></work>
	Seismic reinforcement	Seismic reinforcement works such as pipe supports		Preparation fo	for reinforcement work commenced on Mar. 10.  Kork suspended from May 2 to May 6.>
		Seismic reinforcement works for the roof truss of the reactor building		Reinforcemen	ent work commnced on Jan. 22. <work 2="" 6.="" from="" may="" suspended="" to=""></work>
		Seismic reinforcement works for reactor building overhead crane		Preparation fo	for reinforcement work commenced on Apr. 6. < Work suspended from May 2 to May 6.>
		Seismic reinforcement works for stack (Unit No.1 and Unit No.2)		Preparation fo	for reinforcement work commenced on Feb. 16.
		Seismic reinforcement works for the fuel handling machine		Reinforcemen	ent work commenced on Jan. 30. <work 2="" 6.="" from="" may="" suspended="" to=""></work>
		Seismic reinforcement works for emergency intake channel		Foundation in	improvement work commenced on Feb. 9.
Unit No.2	Reactor facilities	Reactor recirculation piping preventive maintenance		Perparation w	work commenced on Dec. 16, 2008. Ultrasonic testing commenced on Feb. 18. < Work suspended from May 2 to May 6.>
	Turbine facilities	Turbine inspection *		High-pressure	re turbine and low-pressure turbine (A) internal inspection completed.
	Other facilities	House transformer inspection		Transportation	on into the factory is underway.
		Excitation transformer inspection		Transportation	on into the factory is underway.
		Main generator inspection		Inspection cor	ommenced on Mar. 19, 2008. «Work suspended from May 2 to May 6.»
		Main exhaust duct inspection / restoration		Preparation fo	for restoration work commenced on Aug. 9, 2008. Restoration of substruction commenced on Dec. 1, 2008. < Work suspended from May 2 to May 6.>
	Seismic reinforcement	Seismic reinforcement works for the roof truss of the reactor building		Preparation fo	for reinforcement work to be conducted from Feb. 9 to May 17. Reinforcement work to be commenced on May 18. «Work suspended from May 2 to May 6>
Unit No.3	Reactor facilities	Reactor recirculation piping preventive maintenance		Preventive ma	naintenance commenced on Sep. 12, 2008. The date of restoration of the piping cut-out part to be determined. <work 2="" 6.="" from="" may="" suspended="" to=""></work>
	Turbine facilities	Turbine inspection *		Low-pressure High-pressure Low-pressure	e turbine (B) (C) detailed impection commenced on May 7, 2008. «Work usepended from May 1 to May 6.> re turbine and low pressure turbine (A) detailed impection commenced on Jun. 25, 2008. e turbine (A) (B) resonation work of black commenced on Jun. 25, 2008.
	Other facilities	Main transformer inspection		Transportation	on into the factory is underway.
		House transformer inspection		3A, 3B Install	allation work commenced on Nov. 18, 2008. <work 29="" 6.="" apr.="" from="" may="" suspended="" to=""></work>
		Excitation transformer inspection		Installation we	work commenced on Nov. 18, 2008. <work 29="" 6.="" apr.="" from="" may="" suspended="" to=""></work>
		Main generator inspection			ommenced on Feb. 20, 2008. «Work suspended from May 2 to May 6.»
		Inspection of power supply input transformer of the primary loop recirculation system adjustable speed drive			on into the factory is underway.
		Main exhaust duct inspection / restoration		Preparation fo	for restoration work commenced on Jul. 23, 2008. Restoration of substruction commenced on Jan. 9. «Work suspended from May 2 to May 6.»
		Circulating water pipe inspection		Foundation in	improvement, excavating work, and inspection of pipes commenced on Jun. 16, 2008. <work 1="" 6.="" from="" may="" suspended="" to=""></work>
	Seismic reinforcement	Seismic reinforcement works for the roof truss of the reactor building		Reinforcemen	ent work commenced on Nov. 27, 2008. <work 2="" 6.="" from="" may="" suspended="" to=""></work>
		Seismic reinforcement works for stack		Preparation fo	for reinforcement work commenced on Feb. 2. <work 2="" 6.="" from="" may="" suspended="" to=""></work>
Unit No.4	Turbine facilities	Turbine inspection *		High-pressure	re turbine and low-pressure turbine (A) (B) (C) detailed inspection to be commenced in early July 2009.
	Other facilities	House transformer inspection		Transportation	on into the factory is underway.
		Excitation transformer inspection		Transportation	on into the factory is underway.
		Main generator inspection		Inspection cor	ommenced on Jan. 15, 2008. <work 2="" 6.="" from="" may="" suspended="" to=""></work>
		Inspection of power supply input transformer of the primary loop recirculation system adjustable speed drive		Transportatior	on into the factory is underway.
		Main exhaust duct inspection / restoration		Preparation fo	for restoration work commenced on Jun. 23, 2008. <work 2="" 6.="" from="" may="" suspended="" to=""></work>
	Seismic reinforcement	Seismic reinforcement works for the roof truss of the reactor building		Preparation fo	for reinforcement work to be conducted from Mar. 13 to May 17. Reinforcement work to be commenced on May 18. < Work suspended from May 2 to May 6.>
		Seismic reinforcement works for stack		Prenaration fo	for reinforcement work commenced on Feb. 2. «Work suspended from May 2 to May 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)

Inspection Restoration Statual of From April 1994, DOD (San) to May 16th, 2009 (Sat)					
	System / Equipment	Items	19th (Sun) to Apr. 25th (Sun) b Apr. 25th (Sun) to May 2nd (Sun) to May 9nd (Sun) to May 9th (Sun) to May 9t		
Unit No.5	Turbine facilities	Turbine inspection *	High-pressure turbine and low-pressure turbine (A) internal inspection completed.		
	Other facilities	Main transformer inspection	Carrying in and installation work commenced on Mar, 25, «Work suspended from May 3 to May 6.»		
		House transformer inspection	5A, SB Carrying in and installation work to be commenced on Apr. 24. «Work suspended from May 3 to May 6.»		
		Excitation transformer inspection	Carrying in and installation work commenced on Mar. 2. «Work suspended from May 3 to May 6.»		
		Main exhaust duct inspection / restoration	Preparation for restoration work commenced on Jun. 2, 2008. «Work suspended from Apt. 29 to May 6.>		
		Circulating water pipe inspection	Foundation improvement, excavating work, and inspection of pipes commenced on Oxt. 25, 2008. <work 10.="" 29="" apr.="" from="" may="" suspended="" to=""></work>		
	Seismic reinforcement	Seismic reinforcement works such as pipe supports	Preparation for the reinforcement work to be conducted from Mar. 16 to Apr. 26. Reinforcement work to be commenced on Apr. 27. «Work suspended from May 3 to May 6.»		
		Seismic reinforcement works for the roof truss of the reactor building	Reinforcement work commenced on Jan. 19. «Work suspended from May 2 to May 6.>		
		Seismic reinforcement works for reactor building overhead crane	Preparation for reinforcement work commenced on Apr. 6 Work suspended from May 2 to May 6		
		Seismic reinforcement works for stack	Preparation for reinforcement work commenced on Feb. 2 - «Work supended from May 2 to May 6.»		
		Seismic reinforcement works for the fuel handling machine	Preparation for reinforcement work completed on Apr. 22. Reinforcement work to be commenced on Apr. 23. «Work suspended from May 2 to May 6.»		
Unit No.6	Reactor facilities	Primary containment vessel closure	Closure work to be commenced on May 11.		
	Turbine facilities	Turbine inspection *	High-pressure turbine and low-pressure turbine (A) (B) (C) detailed inspection commenced on May 12, 2008. Low-pressure turbine restoration work of blades commenced on Jan. 8. «Work suspended from May 3 to May 6.»		
	Verification of system integrity	System functional test	System functional test commenced on Dec. 4, 2008. «Work suspended from May 2 to May 6.» The date of primary containment vessel leak-rate inspection to be determined.		
Unit No.7					
ransforme	r (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 commerced on Oct. 4. 2008. «Work suspended from Apr. 29 to May 10.> Unit No.2 Preparation for restoration work commerced on May 20, 2006. «Work suspended from Apr. 20 to May 10.> Unit No.3 Restoration work to be conducted from Apr. 20 to May 10.> Unit No.4 Restoration work to be conducted from Apr. 20 to May 10.> Unit No.4 Restoration work to be conducted from Apr. 20 to May 10.> Unit No.4 Restoration work to be conducted from Apr. 20 to May 10.> Unit No.4 Restoration work to be conducted from Apr. 27 to May 10.> Unit No.4 Restoration work to be conducted from Apr. 27 to May 10.> Scrubbing of soil contaminated by oil leakage commenced on Sep. 15, 2008. «Work suspended from Apr. 29 to May 10.>		
Invironmental Facilities		House boilers inspection	Image: Constraint of the state of the st		
		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. < Work suspended from May 2 to May 6.>		
Others		Restoration work for solid waste storage facility	Prevention countermeasure for drum falling commenced on Jan. 16. «Work suspended from May 1 to May 6.>		
		Restoration work for administration building / information building, etc.	Restoration work for administration building and information building is underway. < Work suspended from May 2 to May 6 >		
		Construction of seismic-isolated essential buildings	Construction commenced on Oct. 14, 2008. Work suspended from May 2 to May 6.		
		Restoration of laundry facility building on Arahama-side	Restoration work to be conducted from Jan. 20 to late September. «Work suspended from May 2 to May 6.>		
		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. < Work suspended from Apr. 29 to May 10.> Maintenance work of the slope in front of ab protection headquarter office to be commenced on May 11. Restoration work (D Jain Takanaka Bhafe) to be commenced on May 11.		
		Restoration work for port facility	Restoration work for bank protection commenced on Apr. 3, 2008. «Work suspended from Apr. 39 to May 6.>		

\* 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.

\* Turbine inspection work will be conducted as follows: • All units will be inspected in detail by opening all turbine casings after conducting internal inspection. • Internal inspection will be conducted by opening the high-pressure turbine and low-pressure turbine (A) and visually checking for damages or significant deformation in major components such as the casings and blades. (For the unit No. 1, since the high-pressure turbines (A) and (C) had been opened for regular outage at the time of the earthquake, inspections will be conducted for the low-pressure turbine (B) that had not been opened.) • Detailed inspection includes, in addition to regular full-scope impection, special impection in consideration of the impact of the earthquake and necessary repairs in case damages are found.

\* Period to suspend the works for "Golden Week" holidays.

Inspection/Restoration Status