

Work Schedule of the Main Inspection/Restoration of Kashiwazaki Kariwa Nuclear Power Station in Response to the Niigata-Chuetsu-Oki Earthquake (during 4 Weeks)

[Inspection / Restoration Status]

From September 2, 2007 (Sun) to September 29, 2007 (Sat)

System/Equipment	Items	Sept. 2 (Sun) to Sept. 8 (Sat)	Sept. 9 (Sun) to Sept. 15 (Sat)	Sept. 16 (Sun) to Sept. 22 (Sat)	Sept. 23 (Sun) to Sept. 29 (Sat)	Status of Inspection/Restoration	
Unit No.1	Relating to the Open Inspection of Reactors	Reactor building ceiling crane inspection					Inspection to be completed on Sept. 17th.
		Refueling machine inspection					Inspection to be commenced from mid-October.
		Refueling floor service tools inspection (working dolly) (stud tensioners, etc.)					To be completed on Sept. 13th. Coordinating for inspection start date.
		Incore inspection (Phase2*)					
	Relating to the Open Inspection of Turbines	Turbine building ceiling crane inspection					Inspection planned for Aug. 20th to Oct. 26th.
	Restoration/Inspection of Equipments	Main exhaust ducts inspection preparation					
		preparation inspection					Inspection planned from Sept. 10th to 21st
		Reactor combination building B5F level leakage water disposal					Water cleanup for the passage and area underway.
		Main transformers inspection (including preparation)					Coordinating for inspection start date.
		House transformers inspection (preparation for oil extraction/ Inner inspection) inspection					IA inspection completed on Sept. 4th. IB inspection planned from early October.
		Excitation transformers inspection (preparation for oil extraction/ Inner inspection) preparation					To be prepared from early October.
		Planning of visual inspection for major facilities and detailed inspection					Underway with collaboration with partner companies.
	Daily inspection work of site facilities, etc.						
Unit No.2	Relating to the Open Inspection of Reactors	Reactor building ceiling crane inspection					Inspection planned from Aug. 27th to Oct. 4th
		Refueling machine inspection					Inspection planned from Aug. 27th to Oct. 2nd
		Refueling floor service tools inspection (stud tensioners, etc.)					Inspection planned from Sept. 3rd to Oct. 20th
	Relating to the Open Inspection of Turbines	Main transformers inspection (including preparation)					Inspection completed on Aug. 24th. Coordinating for turbine inspection timing.
	Restoration/Inspection of Equipments	Main exhaust ducts inspection preparation					Inspection preparation for the in-trench duct from Sept. 24th.
		preparation inspection					Inspection planned for outdoor from Sept. 10th to 21st.
		Main transformers inspection (Preparation for transportation from the factory) preparation					Coordinating for factory transportation date.
		House transformers inspection preparation					To be prepared from early October.
		Excitation transformers inspection (Visual inspection) preparation					To be prepared from early October.
		Planning of visual inspection for major facilities and detailed inspection					Underway with collaboration with partner companies.
Daily inspection work of site facilities, etc.							
Restoration for the blowout panel of turbine building preparation					Provisional restoration completed. Preparation for the restoration work due to be commenced on Sept. 21st.		

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Unit No.3	Relating to the Open Inspection of Reactors	Reactor building ceiling crane inspection					Inspection planned from Aug. 20th to Sept. 21st.	
		Refueling machine inspection					Inspection due to be commenced in mid-November.	
		Refueling floor service tools inspection (stud tensioners, etc.)					Inspection due to be commenced in late October.	
		Restoration for the blowout panel of turbine building preparation						Provisional restoration completed. Preparation for the restoration work due to be commenced on Sept. 15th.
	Relating to the Open Inspection of Turbines	Main transformers inspection (including preparation)						Inspection planned from Aug. 27th to Nov. 23rd.
	Restoration/Inspection of Equipments	Main exhaust ducts inspection preparation						
		preparation inspection						Inspection planned from Sept. 10th to 21st.
		Main transformers inspection (including preparation)						Currently in the process of scheduling inspection.
		House transformers inspection (Visual inspection) preparation						3A preparation completed on Sept.2nd. 3B transportation preparation (to be transported on Sept. 20th)
		inspection						3A inspection completed on Sept. 4th.
		(preparation for oil extraction/ Inner inspection) preparation						Preparation work ceased on Sept. 4th. Preparation to be resumed in early October.
		Excitation transformers inspection (Visual inspection) preparation						Preparation work ceased on Sept. 4th. Preparation to be resumed in early October.
		Planning of visual inspection for major facilities and detailed inspection						Underway with collaboration with partner companies.
	Daily inspection work of site facilities, etc.							
Restoration for the blowout panel of turbine building						Provisional restoration completed. Currently in the process of scheduling the restoration work .		
Unit No.4	Relating to the Open Inspection of Reactors	Reactor building ceiling crane inspection					Inspection due to be commenced in early October.	
		Refueling machine inspection					Inspection due to be commenced in mid-October.	
		Refueling floor service tools inspection (stud tensioners, etc.)					Inspection due to be commenced in early October.	
	Relating to the Open Inspection of Turbines	Main transformers inspection (including preparation)						Inspection planned from Sept. 3 to Oct. 16th.
	Restoration/Inspection of Equipments	Main exhaust ducts inspection preparation						Inspection preparation for the in-trench duct fro Sept. 24th.
		preparation inspection						Inspection planned for outdoor from Sept. 10th to 21st.
		Main transformers inspection (including preparation)						Coordinating for inspection start date.
		House transformers inspection (including preparation)						Coordinating for inspection start date.
		Excitation transformers inspection						Coordinating for inspection start date.
		Planning of visual inspection for major facilities and detailed inspection						Underway with collaboration with partner companies.
Daily inspection work of site facilities, etc.								

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Unit No.5	Relating to the Open Inspection of Reactors	Reactor building ceiling crane inspection					Inspection due to be commenced on September 3rd.	
		Refueling machine inspection						Inspection due to be commenced on September 14th.
		Refueling floor service tools inspection (stud tensioners, etc.)					Inspection due to be commenced in early October.	
	Relating to the Open Inspection of Turbines	Main transformers inspection (including preparation)					Inspection planned from Aug. 28th to Oct. 17th.	
	Restoration/Inspection of Equipments	Main exhaust ducts inspection preparation					Inspection preparation for the in-trench duct fro Sept. 24th.	
		inspection					Inspection planned for outdoor from Sept. 10th to 21st.	
		Planning of visual inspection for major facilities and detailed inspection					Underway with collaboration with partner companies.	
Daily inspection work of site facilities, etc.								
Unit No.6	Relating to the Open Inspection of Reactors	Reactor building ceiling crane inspection					Damage cause under investigation. Inspection to be commenced on Sept. 10th.	
		Refueling machine inspection					Inspection due to be commenced in early October.	
		Refueling floor service tools inspection (stud tensioners, etc.)						Inspection due to be commenced on Sept. 14th.
	Relating to the Open Inspection of Turbines	Main transformers inspection (including preparation)					Inspection planned from Aug. 27th to Oct. 4th.	
	Restoration/Inspection of Equipments	House transformers inspection (preparation for oil extraction/ Inner inspection) preparation					To be prepared from Sept. 7th to 18th.	
		inspection					6A Inspection planned from Sept. 19th to 22st. 6B Inspection planned from Sept. 24th to 27st.	
		Planning of visual inspection for major facilities and detailed inspection					Underway with collaboration with partner companies.	
Daily inspection work of site facilities, etc.								
Unit No.7	Relating to the Open Inspection of Reactors	Reactor building ceiling crane inspection					Inspection to be completed on Sept. 6th.	
		Refueling machine inspection inspection					Inspection planned from Aug. 29th to Sept. 27st	
		Refueling floor service tools inspection (stud tensioners, etc.)					Inspection due to be commenced on Sept. 7th. Inspection due to be completed on the end of September.	
		Incore inspection					Open inspection of the reactor planned from early October.	
	Relating to the Open Inspection of Turbines	Main transformers inspection (including preparation)					Inspection planned from Aug. 27th to Oct. 4th.	
	Restoration/Inspection of Equipments	Main transformers inspection (preparation for oil extraction/ Inner inspection) preparation						
		inspection					Inspection due to be commenced on Sept. 14th.	
Planning of visual inspection for major facilities and detailed inspection						Underway with collaboration with partner companies.		
	Daily inspection work of site facilities, etc.							

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Common Activities for the Power Plant	Verification operation of stand-by equipments preparation operation					Train inspection of the standby gas treatment system prior to verification operation. Verificaiton operation to be conducted on Sept. 7th, 14th, 18th, and 25th to 28th.
	Periodic surveillance tests (for emergency diesel generators)					Surveillance test to be commenced from Sept. 19th to 21st.
Transformer (common) / Switch Yard	Repair/restoration of low-voltage start-up transformer 6SB restration					To be restore on Sept. 6th.
	High-voltage start-up transformer #1(preparation for transporation from the factory) preparation					Preparation for transporation form the factory on Aug. 27th (to be transported on Sept. 20th)
	On-site check & inspection of the oil protection bank for the transformer					To be temporarily restored in mid-September. Site survey completed for unit 6; to be completed in mid-September for low-voltage start-up transformer (1SA, 1SB); and completed for all others.
	Transformer oil leakage area survey (boring)					Survey completed on Sept. 3rd.
	Inspection preparation & restoration for the bushing of Minami-Niigata transmission line (No.2)					Replacement to spare parts completed on Aug. 31st as a tentative measure.
Environmental Facilities	On-site check & inspection of the incineration facility					For incinerators situated at Arahama and Ominato side, inspection currently under way.
	Inspection of house boilers					House boiler (Arahama-side) 1A, 2A, 2B: inspection underway. (Ohiso-side) 4A,4B: inspection underway; 4A start up planned on Sept. 6th.
Solid Waste Storage Facility	Restoration work temporary restration preparation					Temporary restoration completed on Aug. 31st. (Restoring tipped over drums to their original place.) Full restoration plan to be studied and prepared from September.
Others	Restoration work for administration building/information building					
	Restoration work for the on-site/outside roads & slope, etc.					
	On-site maintenance work					
	Dismantling of Arahama-side arrestor steel tower preparation					Preparation from Sept. 8th. To be dismantled from mid-October.

* 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.

* Phase 1 : Inspection for the upper part of reactors, Phase 2 : Inspection for the middle part (reactor core) of the reactor, Phase 3 : Inspection for the bottom part of the reactor