

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 16th, 2007 (Sun) to October 13th, 2007 (Sat)

System/Equipment	Items	Sept. 16 (Sun) to Sept.22 (Sat)	Sept. 23 (Sun) to Sept. 29 (Sat)	Sept. 30 (Sun) to Oct. 6 (Sat)	Oct. 7 (Sun) to Oct. 13 (Sat)	Status of Inspection/Restoration	
Unit No.1	Relating to the Open Inspection of Reactors	Reactor building ceiling crane inspection					Inspection completed on Sept. 18th.
		Refueling machine inspection					Inspection to be commenced in mid-October.
		Refueling floor service tools inspection (working dolly) (stud tensioners, etc.)					Inspection completed on Sept. 13th. Coordinating for inspection start date.
		Incore inspection (Phase2*) (Phase3*) preparation					Phase2 * inspection planned from Sept. 14th to Oct 1st. Phase3 * inspection preparation planned from Oct 2nd.
	Relating to the Open Inspection of Turbines	Turbine building ceiling crane inspection					Inspection planned from Aug. 20th to Oct. 26th.
		Turbine internal inspectioon					Casing opening and internal inspection planned from early November to early December.
	Restoration/Inspection of Equipments	Main exhaust ducts inspection preparation					Inspection completed on Sept. 14th.
		Reactor combination building B5F level leakage water disposal					Floor cleaning to be completed by mid-October.
		Main transformers inspection					Coordinating for inspection start date.
		House transformers inspection (preparation for oil extraction/ Inner inspection) inspection					1A inspection completed. 1B inspection planned from Oct. 8th to 12th.
Excitation transformers inspection (preparation for oil extraction/ Inner inspection) preparation						To be prepared on Oct. 8th & 9th. Inspection planned from Oct. 15th to 18th.	
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. 5th.
		Refueling floor service tools inspection (stud tensioners, etc.)					Inspection planned from Sept. 3rd to Oct. 18th
	Relating to the Open Inspection of Turbines	Turbine building ceiling crane inspection					Inspection completed on Aug. 24th.
		Turbine internal inspectioon					Casing opening and internal inspection planned from early November to early December.
	Restoration/Inspection of Equipments	Main exhaust ducts inspection preparation					Inspection preparation for the in-trench duct from Sept. 19th to early october.
		inspection					Inspection for outdoor equipments completed on Sept. 14. In-trench duct planned for inspection after preparation is ready.
		Main transformers inspection (Preparation for tranportation from the factory) preparation					Coordinating for factory transportation date.
House transformers inspection preparation						To be prepared from Oct. 15th.	
Excitation transformers inspection (Visual inspection) preparation						To be prepared from Oct. 29th.	
Restoration for the blowout panel of turbine building preparation					Provisional restoration completed. Preparation for the restoration work due to be commenced on Oct. 1st.		

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Unit No.3	Relating to the Open Inspection of Reactors	Reactor building ceiling crane inspection					Inspection completed on Sept. 14th.
		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 reactor building preparation					Provisional restoration completed. Preparation for the restoration work due to be commenced on Sept. 18th.
	Relating to the Open Inspection of Turbines	Turbine building ceiling crane inspection					Inspection planned from Aug. 27th to Nov. 23rd.
		Turbine internal inspectioon					Casing opening and internal inspection planned from early December to late December.
	Restoration/Inspection of Equipments	Main exhaust ducts inspection preparation					Inspection completed on Sept. 14th.
		Main transformers inspection					Coordinating for inspection start date.
		House transformers inspection (Visual inspection preparation inspection (preparation for oil extraction/ Inner inspection) preparation					3B preparation for transportation (to be transported on Sept. 20). 3A inspection completed. To be prepared from Oct. 15th.
		Excitation transformers inspection preparation					Visual inspection planned on Oct. 18th & 19th, inner inspection planned from Oct. 27th.
		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				
Refueling machine inspection							Inspection due to be commenced on Oct. 15th.
Refueling floor service tools inspection (stud tensioners, etc.)							
Relating to the Open Inspection of Turbines		Turbine building ceiling crane inspection					Inspection planned from Sept. 3rd to Oct. 5th.
		Turbine internal inspectioon					Casing opening and internal inspection planned from early November to late November.
Restoration/Inspection of Equipments		Main exhaust ducts inspection preparation preparation inspection					Inspection preparation for the in-trnch duct from Sept. 19th to early October. Inspection for outdoor equipments completed on Sept. 14th. In-trench duct planned for inspection after preparation is ready.
		Main transformers inspection					Coordinating for inspection start date.
		House transformers inspection					Coordinating for inspection start date.
	Excitation transformers inspection					Coordinating for inspection start date.	

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Unit No.5	Relating to the Open Inspection of Reactors	Reactor building ceiling crane inspection	▶		▼	To be completed on Sept. 28th.		
		Refueling machine inspection	▼	▶			Inspection due to be commenced on Sept. 20th.	
		Refueling floor service tools inspection (stud tensioners, etc.)			▶	▼	Inspection planned from Oct. 1st to 10th.	
	Relating to the Open Inspection of Turbines	Turbine building ceiling crane inspection	▶				Inspection planned from Aug. 28th to Oct. 17th.	
		Turbine internal inspectioon					Casing opening and internal inspection planned from late October to late December.	
	Restoration/Inspection of Equipments	Main exhaust ducts inspection preparation	▶	▶		▼	Inspection preparation for the in-trench duct from Sept. 19th to early October. Inspection for outdoor equipments completed on Sept. 14th. In-trench duct planned for inspection after preparation is ready.	
preparation inspection				▶	▼			
	Main generator inspection					Inspection due to be commenced from mid-October.		
Unit No.6	Relating to the Open Inspection of Reactors	Reactor building ceiling crane inspection	▶			▼	Inspection planned from Sept. 10th to Oct. 3rd.	
		Refueling machine inspection		▶	▶			Inspection due to be commenced on Sept. 27th.
		Refueling floor service tools inspection (stud tensioners, etc.)	▶					Inspection due to be commenced on Sept. 14th.
	Relating to the Open Inspection of Turbines	Turbine building ceiling crane inspection	▶			▼	Inspection planned from Aug. 27th to Oct. 4th.	
		Turbine internal inspectioon				▶	Casing opening and internal inspection planned from Oct. 11th to late October.	
	Restoration/Inspection of Equipments	Main transformers inspection (preparation for oil extraction/ Inner inspection)	▶			▼	To be prepared from Sept.14th to Oct. 3rd. Preparation to be transported out of the factory from Oct. 7th. Inspection planned from Oct. 4th to 6th.	
preparation inspection				▶	▼			
	House transformers inspection (preparation for oil extraction/ Inner inspection)	▶	▶			Preparation from Sept. 7th to 19th. Preparation to be transported out of the factory from Sept. 24th. 6A Inspection planned from Sept. 20th to 25th. 6B Inspection planned from Sept. 24th to 26th.		
	preparation inspection	▶	▶	▶				
Unit No.7	Relating to the Open Inspection of Reactors	Reactor building ceiling crane inspection					Inspection completed on Sept. 6th.	
		Refueling machine inspection preparation	▶			▼	Inspection planned from Aug. 29th to Sept. 27th.	
		Refueling floor service tools inspection (stud tensioners, etc.)	▶			▼	Inspection planned from Sept. 7th to Oct 1st.	
		Reactor head opening			▶	▼	Reactor head opening work from Oct. 2nd to 8th.	
		In-core inspection				▶	In-core inspection to be commenced after reactor head opening completed.	
	Relating to the Open Inspection of Turbines	Turbine building ceiling crane inspection	▶			▼	Inspection planned from Aug. 27th to Oct. 4th.	
		Turbine internal inspectioon				▶	Casing opening and internal inspection planned from Oct. 8th to late November.	
	Restoration/Inspection of Equipments	Main transformers inspection (preparation for oil extraction/ Inner inspection)	▶	▶			Preparation to be transported out of the factory from Sept. 19.	
		preparation inspection	▶	▶			Inspection planned from Sept. 14th to 21st.	
	Main generator inspection				▶	Inspection due to be commenced on Oct. 8th.		

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Common Activities for the Power Plant	Verification operation of stand-by equipments preparation	[Blue bar with triangle at end]					Train inspection of the standby gas treatment system prior to verification operation. Pre-operational inspection of fuel pool cooling water system back up equipments. Verificaiton operation to be conducted on Sept. 7th, 14th, 18th, 21st, 27th, 28th and Oct. 2nd. Fuel pool cooling water system back up pump verification run planned on Sept. 18th, 21st, 25th, 27th, 28th.
	operation	[Blue bar with triangle at end]					
	Periodic surveillance tests (for emergency diesel generators)	[Blue bar with triangle at end]					
Transformer (common)/Switch Yard	High-voltage start-up transformer #1(preparation for transporation from the factory) preparation	[Blue bar with triangle at end]					Preparation to be transported out of the factory from Aug. 27th. (To be transported out on Sept. 20th)
	On-site check & inspection of the oil protection bank for the transformer	[Blue bar with triangle at end]					Provisional restoration to be completed on Sept. 20th.
Environmental Facilities	On-site check & inspection of the incineration facility	[Blue bar]					For incinerators situated at Arahama and Ominato side, inspection currently under way. (Inspection of the Ominato side to be completed in end of Sept.) House boiler (Arahama-side) 1A, 2A, 2B: inspection underway. (Ohminato-side) 4B: inspection underway (Inspection to be completed in mid-October)
	Inspection of house boilers	[Blue bar]					
Solid Waste Storage Facility	Restoration work preparation	[Blue bar]					Restoration work equipment under preparation.
Others	Restoration work for administration building/information building	[Blue bar]					
	Restoration work for the on-site/outside roads & slope, etc.	[Blue bar]					
	On-site maintenance work	[Blue bar]					
	Dismantling of Arahama-side arrestor steel tower preparation	[Blue bar]					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