

Status of main inspection / restoration work at the Kashiwazaki Kariwa Nuclear Power Station following the Niigataken Chuetsu-oki Earthquake in 2007

(4-week schedule as of November 8, 2007)

: Inspection Completed, Red text: Changes from last week, Blue text: Information added this time

Facility / work		Unit	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6	Unit 7	
Open inspection on reactors	Ceiling crane in the reactor building		Completed on 9/18	Completed on 10/4	Completed on 9/14	Inspection scheduled for 10/6-11/9	Completed on 9/28	- Completed on 10/2	Completed on 9/6	
	Refueling machine		Inspection scheduled to commence for 10/24-11/14	Completed on 10/16	Inspection scheduled to commence on 11/12	Inspection scheduled for 10/24-12/10	Completed on 10/19	Inspection scheduled for 9/27-11/12	Completed on 9/27	
	Internals (*)	Phase 1	Completed on 8/23	-Reactor opening completed on 10/24 - Reactor well pour water completed				-Reactor opening completed on 10/29 -Reactor well pour water completed on 10/26 -Phase 1/2 commencement scheduled on 11/14	-Reactor opening scheduled for 11/5-12 -Inspection commencement scheduled on 11/13	- Completed Reactor opening on 10/8 -Fuel taking out completed on 10/23 -Phase 1/2 commencement scheduled on mid November
		Phase 2	Completed on 10/1							
		Phase 3	- preparation scheduled to commence on 10/2 - Inspection scheduled to commence on 11/24							
	Fuel/Control Rod			Inspection scheduled after Phase 1/2 & Phase 3						Inspection scheduled after Reactor well inspection
	Reactor Pressure Vessel		- Inspection on Supporting Structure completed on 11/7	- Preparation scheduled for 10/22-11/10 - Inspection on Supporting Structure scheduled for 11/12-14 - Inspection of nozzle etc. commencement scheduled on 11/14	- Preparation completed on 11/7 - Inspection on Supporting Structure scheduled for 11/8-12	- Preparation scheduled for 11/5-9 - Inspection on Supporting Structure scheduled for 11/9-12	- Inspection on Supporting Structure completed on 11/2	- Preparation completed on 10/29 - Inspection on Supporting Structure completed on 10/30 -Inspection of nozzle etc. commencement scheduled on 11/7	- Preparation completed on 10/25 - Inspection on Supporting Structure completed on 10/29 -Inspection of nozzle etc. commencement scheduled on 11/14	
Reactor Well									Inspection scheduled for 11/8 – mid November	
Open inspection on turbines	Ceiling crane in the turbine building		Completed on 10/26	Completed on 8/24	Completed on 10/30	Completed on 10/5	Completed on 10/17	Completed on 10/4	Completed on 10/4	
	Turbine		Opening and inside inspection scheduled for 11/9 - early December	Opening and inside inspection scheduled for 11/28 - the end of December	Opening and inside inspection scheduled for 11/21 - mid December	Opening and inside inspection scheduled for 11/8 – mid December	Opening and inside inspection scheduled for 10/24 – mid December	Completed on 10/25	Opening and inside inspection scheduled for 10/8 – the end of November	
Main exhaust ducts			Completed on 9/14	- Completed outdoor sections on 9/14 - Completed Exterior inspection on ducts in the trenches on 10/5	Completed on 9/14	- Completed outdoor sections on 9/14 - Completed Exterior inspection on ducts in the trenches on 10/5	- Completed outdoor sections on 9/14 - Completed Exterior inspection on ducts in the trenches on 10/5			
Main Generator							Inspection started on 11/3		Inspection started on 11/2	
Transformer	Main transformer	Exterior inspection	Completed on 11/1							
		Oil extraction / inner inspection	- Preparation scheduled to commence on 10/29-11/9 - Inspection scheduled for 11/19-22	Ex-factory preparation started on 11/1	- Inspection completed on 10/26 - Ex-factory preparation scheduled for 10/18-11/26	- Preparation scheduled for 11/30-12/3 - Inspection commencement scheduled on 12/4	- Preparation scheduled for 11/16-19 - Inspection commencement scheduled for 11/20-22 - Ex-factory preparation commencement scheduled on 11/23	- Completed on 10/6 - Ex-factory completed on 10/31	- Completed on 9/21 - Ex-factory completed on 10/25	
	In-house transformer	Exterior inspection		-2A:Inspection scheduled for 10/22-23, 11/8-9 -2A:Inspection scheduled for 10/29-30, 11/15-16	3A : completed on 9/4					
		Oil extraction / inner inspection	- 1A : Completed on 9/4 - 1B : Completed on 10/12	2A:Inspection scheduled for 11/9-10 2B:Inspection scheduled for 11/16-17	- 3A: Inspection completed on 10/22 Ex-factory timing being coordinated - 3B:Completed Ex-factory on 9/20	4A,4B: Inspection commencement timing being coordinated	5A,5B: Inspection commencement timing being coordinated	- 6A : Completed on 9/25 - 6B : Completed on 9/26 - Ex-factory completed on 10/25	- 7A: Inspection scheduled for 11/13-14 - 7B: Inspection scheduled for 11/7-10	
Excitation transformer	Exterior inspection		- Preparation scheduled for 11/9-15 - Inspection scheduled on 11/16-17, 11/22-23	Completed on 10/19						
	Oil extraction / inner inspection	Completed on 10/18	- Preparation scheduled for 11/16-21 - Inspection scheduled for 11/22-23	Inspection completed on 11/3 Ex-factory timing being coordinated	Inspection commencement timing being coordinated	Inspection commencement timing being coordinated				
Processing of water leakage on the B5F level of the reactor combination building			Completed on 10/12							

(*) Phase 1 (Inspection of the upper reactor): The internals of a reactor are visually checked from above with an underwater camera, before the implementation of further inspection on the area extending from the reactor pressure vessel flange to the upper grid plate, with the aim of checking the internal status of the reactor.

Phase 2 (Inspection of the mid reactor --- the reactor core): An underwater camera is used to visually check the area extending from the upper grid plate to the core support plate, as well as the outer circumference of the core shroud (annulus). The dryer and separator, removed from the core, are also examined.

Phase 3 (Inspection of the bottom of the reactor): Inspection is carried out on the area extending from the core support plate to the bottom of the reactor, after removing control rods, fuel supports and other items that could interfere with the inspection.