

Major Incidents at Nuclear Facilities April 2009 - March 2010

Date	Facility Name	Incident Description
6 April 09*	Fukushima I-3	During restoration work after inspection of a hydraulic control unit for the control rod drive hydraulic system, 1 control rod inserted too far (beyond the fully inserted position).
6 April 09*	TRF	Leak of radioactive material from a pipe which discharges liquid waste to sea.
12 April 09	Shika-2	Radioactive leak from a fuel assembly.
22 April 09*	Hamaoka-4	During a periodic inspection, a worker's leg was caught in the driver of a valve near the steam turbine in the turbine building.
23 April 09	Hamaoka-5	Fault noticed while checking control rod operation.
5 May 09*	Hamaoka-4	Reactor shut down manually during adjustment operation due to elevated hydrogen concentration in the off-gas treatment system.
13 May 09*	Tsuruga-1	Flaw found in the seat portion of a vent valve in the control rod drive hydraulic system.
25 May 09	Tsuruga-1	Thinning to below required thickness found in pipes in the feedwater and condenser systems.
28 May 09*	Onagawa-3	During restoration work after inspection of a hydraulic control unit for the control rod drive hydraulic system, one control rod inserted too far (beyond the fully inserted position).
11 June 09	Onagawa-1	Reactor shut down manually due to oil leak from the generator.
17 July 09*	Tokai II	Reactor shut down manually due to fluctuation in the oil level in the main oil tank in the turbine oil system.
22 July 09	Onagawa-3	Reactor shut down manually due to a fault in the water level adjustment valve in the low pressure feedwater heater.
23 July 09	KK-7	Radioactive leak from a fuel assembly during adjustment operations.
29 July 09	Hamaoka-4	Alarm indicating elevated hydrogen concentration in the off-gas treatment system.
2 Aug. 09	Tomari-3	Reactor shut down during commissioning operations due to malfunction of two emergency diesel generators.
7 Aug. 09	Hamaoka-5	Faulty operation of the turbine bypass valve.
11 Aug. 09	Hamaoka-4&5	Reactors shut down automatically in response the an earthquake in Suruga Bay. Iodine continued to leak from Unit 5 until August 19.
19 Aug. 09*	Tomari-3	During commissioning operations, the turbocharger in emergency diesel generator B malfunctioned.
31 Aug. 09	Ohi-2	Elevated radioactivity concentration found in the primary coolant.
3 Sep. 09	KK-2	Crack found in a pipe in the recirculation system.
6 Oct. 09*	Fugen	Leak of radioactive material within the radiation controlled area in the reactor auxiliary building of the Fugen Decommissioning Engineering Center.
9 Oct. 09	Tokai II	Crack found in core shroud support.
12 Oct. 09	Ohi-1	Exhaust pipe gas monitor showed elevated radiation reading.
14 Oct. 09*	Tsuruga-1	Thinning of sea water piping used for cooling the high pressure core injection system diesel engine found during a periodic inspection.
15 Oct. 09*	Fukushima II-4	Reduction in power when reactor recirculation pump A shut down.
22 Oct. 09*	RRP	Leak of radioactive material within a cell of the high-level liquid waste vitrification facility.
28 Oct. 09	Tsuruga-1	Crack found in the steam drier.
12 Nov. 09	Shika-2	Reactor shut down manually due to malfunction of 2 emergency diesel generators.

13 Nov. 09*	Mihama-1	While increasing electric power output during a periodic inspection, there was a rapid power increase when the load limiter switch of the valve which controls the amount of steam flowing to the turbine was operated. Power generation was stopped in order to carry out more detailed inspection.
13 Nov. 09*	Shika-2	Reactor shut down manually during adjustment operation due to lubricant oil leak from a valve in emergency diesel generator A.
20 Nov. 09	Ikata-1	During regular operations, there was a rapid 6% power increase when the valve which controls the amount of steam flowing to the turbine suddenly operated.
1 Dec. 09*	Hamaoka-3	Leak of radioactive material within the radiation controlled area of the 2nd basement in the auxiliary building.
13 Jan. 10*	Tokai II	Thinning of sea water piping of the residual heat removal system found during a periodic inspection.
29 Jan. 10*	Sendai-1	One worker killed and 6 others injured due to an electrical short when they were checking electrical equipment.
16 Mar. 10*	Takahama-4	Flaw found in 1 heat transfer tube in the steam generator.
23 Mar. 10*	Mihama-2	Flaw found in a weld in the air vent piping in the chemical and volume control system. The flaw was located just before the point where the charging water to the reactor coolant system flows into the regenerative heat exchanger.

TRF = Tokai Reprocessing Facility; KK = Kashiwazaki-Kariwa; RRP = Rokkasho Reprocessing Plant

* Reporting legally required under the Law for the Regulation of Nuclear Source Material, Nuclear Fuel Material and Reactors. In all other cases listed reporting was not legally required.