

TEPCO PRESS RELEASE: REPORT ON THE STATUS OF THE KASHIWAZAKI FACILITIES

AT 17:00 ON 2007/07/17

FACILITY	AT THE TIME OF EQ	INCIDENTS	REMARKS
KAS-1	Shutdown	Oil leakage from transformer	Volume of leakage unknown, little leakage continuing
		Slip on the duct connected to the main exhaust pipe; details under investigation	extent of slip is unknown; radiation leakage is under investigation
		Double doors of the reactor bldg. Are now open due to the power cut	
		Water found between the doors that divides the controlled area of the emergency diesel power generator (a) room and the uncontrolled area	4 L leakage, stopped, no radiation
		Damages on the extinguisher pipes, water of 40cm high found on the B5F (lowest floor)	Leakage 1,670m ³ , stopped, no radiation
		Slip between transformers (a/11) and connected area, foundation bolt is broken	Extent of slip unknown and under investigation
		No electricity for the control board of the liquid waste disposal control room	No effect on control
		Water in the operating floor of the reactor bldg.	
KAS-2	Start up	Oil leakage from main transformer (lower flange) – ongoing, foundation bolt is broken	Amount of leakage unknown, considering to take oil out.
		Slip on the duct connecting to the main exhausting pipe, investigating the details	Extent of slip unknown, investigating radiation leakage
		Slip of duct of power supply cable (basis of transformer)	Extent of slip is unknown, under investigation
		Not operable - cleaning pump (water intake facility)	
		Blow out panel (Turbine Bldg.) dropped	No radiation leakage
		Oil leakage in the oil tank room of the turbine operating reactor water supply pump (b)	800L leakage, leakage stopped
		Water found in the operating floor of the reactor bldg.	
KAS-3	In operation	Slip at the duct that connects to the main exhausting pipe; investigating details	Extent of slip is unknown; radiation leakage under

			Investigation
		Oil leakage at the transformer K-3/4 (3sb)	Amount of oil leakage is unknown, leakage continues, stopped the transformer
		Blow out panel dropped in the reactor bldg.	No radiation leakage
		Water found in the operating floor of the reactor bldg.	
KAS-4	In operation	Slip at the duct connecting to the main exhausting pipe, investigating details	Extent of slip unknown, investigating radiation leakage
		Crack at the expansion of valve, leakage	2.4 m2 leakage, 3.5m length crack, no impact on the facility
		Water found in the operating floor of the reactor bldg.	
KAS-5	Shut down	Slip at the duct connecting to the main exhausting pipe, investigating details	1cm slip, investigating radiation leakage
		Water leakage at the No.4 filter tank	900m3 leakage, leakage stopped, no radiation
		Not operating - screen cleaning pump of the water intake facility	
		Water found on the operating floor in the reactor bldg.	
KAS-6	Shut down	Oil leakage from transformer B	Small leakage continues, stopped the transformer
		Water in the operating floor of the reactor bldg.	
KAS-7	In operation	Crack on the water intake channel	Crack max 8cm
		Water density is low??	
		Water found in the operating floor of the reactor bldg.	

Name of Unit	Before Earthquake	Contents of Damages	Remarks
KK-7	In operation	Cracks were found on the bank wall of the sea water intake canal.	Maximum crack length is about 5cm.
		The watertightness of a door for reactor core isolation cooling system, residual heat removal system (A)(B) was decreased.	
		A water puddle was found on the operating floor in the reactor building.	
Switchyard		500kV Shin-Niigata 2L was inoperable.	
		Slight air leakage from a circuit breaker of 500kV Shin-Niigata 2L.	A rubber band is being used as an emergency measure.
		Oil leakage from the bushing of one of three phases (black phase) 500kV Shin-Niigata 2L (Minami-Niigata 2L was inoperable)	The amount of leakage is unknown. Oil is still leaking.
Solid radwaste storage		About 100 drums stored in the No.2 wing of solid radioactive waste storage had fallen down and lids of several drums were opened.	Detail is under investigation.
Administration building etc.		Normal power for the administration building was lost. Powers for the emergency response room and etc. are supplied from an emergency power supply.	Power for the emergency response room was only restored from an emergency power supply to a normal power supply.
		There is no damage to the structure such as columns, beams etc. of the administration building and the information building. The expansion portion between the buildings was damaged. Many cracks were found. Many windows were broken. Air-conditioning equipment on the roof of the building was damaged. Water tanks were damaged. Ducts had fallen down. Cooking equipment had dropped off.	
Station premise/ others		The northern slope of the soil dump was partly broken and collapsed.	
		Leakage from the drinking water tank (tank is empty)	
		Fire extinguishing equipment: pipings were damaged at the following 4 locations. Water is leaking. KK-1 at north-east side of the reactor building KK-1 at west side of the turbine building KK-1 in the vicinity of fire hydrant near a light oil tank KK-2 at the supply line to the service building	
		The environmental mini-computer (in the service building of unit 1) and the prefecture's telemeter equipment are inoperable.	Only the prefecture's telemeter equipment had restored by 3:40 pm on July 17.
		Roads in the station were severed at many locations. Liquefaction due to the earthquake is found over large area in the station.	Roads are now available for traffic.
		There is an obstruction of about 50 cm on the approach road. Not available for traffic (road repair started)	Roads are now available for traffic.
		North and south side bank wall of the discharge canal sunk.	

PRI-07-26

Press Release Information	Nuclear and Industrial Safety Agency (NISA), Ministry of Economy, Trade and Industry (METI)
Consequences of "the Niigataken Chuetsu-oki Earthquake in 2007" at Kashiwazaki-Kariwa Nuclear Power Station, Tokyo Electric Power Company	

July 17, 2007

NISA/METI

On July 17, 2007, Nuclear and Industrial Safety Agency (NISA) received information from Tokyo Electric Power Company on the situation as of 5.00 PM of Kashiwazaki-Kariwa Nuclear Power Station, as shown below.

(The situation of Kashiwazaki-Kariwa Nuclear Power Station)

At 5.50 PM today, Tokyo Electric Power Company released information on the situation of Kashiwazaki-Kariwa Nuclear Power Station, including oil leakage from a generator (already reported), leakage of radioactive materials to outside of the controlled area (already reported) and falling down of the solid waste drums.

(Actions of NISA)

1. Today, NISA dispatched four officials of NISA including Mr. Shigeharu Kato, Director General to the NPP. Together with the Nuclear Safety Inspector on the site, they are engaging themselves in the investigations on the identified incidents: oil leakage from the generator, leakage of radioactive materials to outside of the controlled area, falling down of the solid waste drums.
2. Although iodine and other particulate radioactive materials has been detected during the regular measurement of the main stack of Unit 7, NISA has confirmed the adequacy of the assessment by Tokyo Electric Power Company who concluded that there is no impacts on the surrounding environment. It was also confirmed that the results of measurement of the main stack of unit 1 to unit 6 were under the detection limit. NISA required Tokyo Electric Power Company to make its best efforts to conduct complete investigation on the relation between this event and the earthquake.
3. For falling down of the drums of solid waste drums, NISA required Tokyo Electric Power Company to investigate its actual condition and evaluate the event as soon as possible.

PRI-07-27

Press Release Information	Nuclear and Industrial Safety Agency (NISA), Ministry of Economy, Trade and Industry (METI)
Detection of iodine from the main stack of Unit 7 at Kashiwazaki-Kariwa Nuclear Power Station, Tokyo Electric Power Company, due to "the Niigataken Chuetsu-oki Earthquake in 2007".	

July 17, 2007
NISA/METI

On July 17, 2007, Nuclear and Industrial Safety Agency (NISA) received the following report from Tokyo Electric Power Company on detection of iodine from the main stack of Unit 7 (ABWR, rated electric power: 1,356MWe) at Kashiwazaki-Kariwa Nuclear Power Station

(Excerpts from the report submitted by Tokyo Electric Power Company)

Iodine and particulate radioactive materials (chromium51, cobalt60) has been detected at Unit 7 of Kashiwazaki-Kariwa Nuclear Power Station during the regular weekly measurement of the main stack. The reactor had been automatically shut down as the results of the Niigataken Chuetsu-oki Earthquake in 2007 occurred on July 16, 2007. Total amount of detected activity was about 3×10^8 Bq. This level of radio activity has no impact on the surrounding environment, since the dose derived from the activity is calculated about 1.1×10^{-7} mSv, which is largely lower than the annual exposure dose limit for the public people stipulated by the law.

No significant reading has been identified at the radiation monitors of the main stack and the monitoring posts.

(Assessment by NISA)

The causal relationship between this event and the earthquake is unknown. NISA will conduct rigorous investigation.