Plant Status: All units were shutdown after the occurrence of the earthquake.

A total of 63 incidents have been confirmed to date (excluding 4 incidents of reactor automatic scram due to the earthquake).

1. Incidents related to radioactive materials (15 cases).

Unit	Status Prior to Earthquake	Status at the Time of Earthquake	Current Status
		Displacement of the duct connected to the main exhaust stack. Detailed investigation underway.	Investigation on the size of the displacement and whether there had been a leakage of radioactivity is being conducted.
Unit 1	Shutdown (in an outage)	Damage to fire protection system piping leading to a 40 cm-deep puddle of water on the B5 floor (the lowest floor, controlled area) of the Reactor Combination Building.	Amount of leakage: about 1,670m ³ . Confirmed re-leakage with radioactivity. After repairing the fire protection system piping, depth of water is 48 cm. Maximum amount of leakage: about 2,000m ³ .
		Water puddle on the reactor building refueling floor.	Commenced soaking up water from the floor on July 23 rd .
Unit 2	Starting up	Displacement of the duct connected to the main exhaust stack. Detailed investigation underway.	Investigation on the size of the displacement and whether there had been a leakage of radioactivity is being conducted.
		Water puddle on the reactor building refueling floor.	Commenced soaking up water from the floor on July 24 th .
Unit 3	Operating	Displacement of a duct connected to the main exhaust stack. Detailed investigation underway.	Investigation on the size of the displacement and whether there had been a leakage of radioactivity is being conducted.
		Water puddle on the reactor building refueling floor.	Completed soaking up water from the floor on July 20 th .
Unit 4	Operating	Displacement of a duct connected to the main exhaust stack. Detailed investigation underway.	Investigation on the size of the displacement and whether there had been a leakage of radioactivity is being conducted.
		Water puddle on the reactor building refueling floor.	Completed soaking up water from the floor on July 23 rd .
Unit 5	Shutdown (in an outage)	Displacement of a duct connected to the main exhaust stack. Detailed investigation underway.	Size of the displacement: about 4cm. Investigating whether there had been a leakage of radioactivity.
		Water puddle on the reactor building refueling floor.	Commenced soaking up water from the floor on July 24 th .
Unit 6	Shutdown (in an outage)	Minuscule amount of radioactivity found on the 3rd floor of the reactor building (0.6 liter; 2.8x10 ² Bq) and mezzanine 3rd floor of the reactor building, which is an uncontrolled area (0.9 liter; 1.6x10 ⁴ Bq). Leaked water discharged to the sea via water discharge outlet (Total amount of discharged water: 1.2 m³; radioactivity: 9x10 ⁴ Bq; no change observed on the seawater radioactivity monitor.) No water is discharged at this moment.	Radionuclides discharged to the sea is as follows: Cobalt-58: 7.7 x 10 ³ Bq Cobalt-60: 4.3 x 10 ⁴ Bq Antimony-124: 3.5 x 10 ⁴ Bq
		Water puddle on the reactor building refueling floor.	Completed soaking up water from the floor on July 23 rd .
Unit 7	Operating	Detected lodine and particulate material (Cr-51 and Co-60) during a weekly periodic measurement of the main exhaust stack. Detected radioactivity: 3x10 ⁸ Bq.	Increased measurement frequency for enhanced monitoring.
		Water puddle on the reactor building refueling floor.	Detected radioactivity on July 20 th . Completed soaking up water from the floor on July 21 st .

2. Incidents NOT related to radioactive materials (52 cases).

	Status prior		
Unit	to	Events	
	earthquake		
Unit 1	Shutdown	Departure from Limiting Condition of Operation (LCO) due to low water level of spent fuel pool and	
Offici	*	subsequent return to normal level.	
	outage)	Small amount of oil leakage (still continuing) from the exciter power transformer; displacement from the	Unknown amount of oil leakage. Small amount of leakage
		foundation base.	continues.

		Double door of the reactor building kept open due to power loss.	No departure from LCO since the unit is in cold shutdown condition. Closed the double door after the power had been restored on July 24 th (returned to normal condition).
		A puddle of water extending from the electrical instrument room of the emergency diesel generator (A) controlled room boundary door to non-controlled area.	Amount of leakage: about 4 liters. Leakage ceased. No radioactivity.
		Power loss of liquid waste treatment system control room control panel.	No impact on plant monitoring.
		Displacement at the connection between house transformers 1A and 1B and isolated phase bus. Breakage of foundation bolt.	Investigating the size of the displacement.
		Subsidence, slant, crack and abruption of concrete, opening of the joint on the oil protection bank of transformer.	Opening of the joint: 10 locations; maximum width 7cm.
		Reactor automatic scram due to earthquake.	
	Starting up	Departure from LCO due to low water level of spent fuel pool and subsequent return to normal level.	
		Oil leakage from between the main transformer and its cooler main piping (still continuing). Breakage of foundation bolt.	Unknown amount of oil leakage. Considering oil removal.
Unit 2		Lateral displacement of exciter power transformer foundation and duct for power bus.	Investigating the size of the displacement.
Offic 2		Water intake screen washing pump unable to start.	
		Displacement of the turbine building blowout panel.	No leakage of radioactivity. Temporarily restored on July 20 th .
		Oil leakage in the oil tank room of the turbine driven reactor feedwater pump (B).	Amount of oil leakage: about 800 liters. Leakage ceased. Completed oil recovery on July 19 th .
		Subsidence and lateral displacement of the oil protection bank of transformer.	Lateral displacement: one location; 2cm wide.)
	Operating	Reactor automatic scram due to earthquake.	
		LCO due to low water level of spent fuel pool and subsequent return to normal level.	
		Departure from the LCO due to displacement of the reactor building blowout panel and subsequent return to within the LCO.	Returned within the LCO since the unit came to a cold shutdown condition. Temporarily replaced the blowout panel on July 21 st .
Unit 3		Displacement of the turbine building blowout panel.	Temporarily replaced on July 20 th .
		House transformer 3B caught on fire.	On July 16 at 10:15AM, house transformer 3B was found on fire. Fire extinguished at 12:10PM on the same day. Unknown amount of oil leakage. Leakage continuing. Low
		Oil leakage from oil exhaust piping of K-3/4 low voltage start-up transformer (3SB).	voltage start-up transformer shutdown due to continuing oil leakage. Confirmed that oil leakage ceased on July 23 rd .
		Displacement in the exciter power transformer foundation and power bus duct.	Investigating the size of the displacement.
	Operating	Reactor automatic scram due to earthquake.	
l Init 4		Leakage of seawater from a crack occurred in rubber flexible joint between condenser B seawater box and connecting valve.	Size of the crack: 3.5m. Amount of leakage: 24m³. Leakage ceased on July 19 th .
Unit 4		Service platform in the spent fuel pool fell on the spent fuel storage rack with spent fuels. No damage to the fuels.	
		Subsidence and tilt of the oil protection bank of transformer (partial opening of the joint).	Opening of the joint: one location; maximum width 20cm.

l lait E	Shutdown	Leakage from No. 4 filtered water tank.	Amount of oil leakage: about 900 m ³ . Leakage ceased. No radioactivity.
Unit 5	(in an outage)	Water intake screen washing pump unable to start.	radioactivity.
Unit 6	Shutdown (in an	Oil leakage from low voltage start-up transformer (6SB).	Low voltage start-up transformer shutdown due to small amount of continuing oil leakage. Confirmed that oil leakage ceased on July 23 rd .
Sint 6	outage)	Dislocation of the service platform in the spent fuel pool.	Spent fuel rack is underneath the dislocated service platform; however the platform is fixed on a wire. Considering how to handle the situation.
		Reactor automatic scram due to earthquake.	
Unit 7	Operating	Degradation of water tightness of the water-tight doors of the Reactor Core Isolation Cooling System and Residual Heat Removal Systems (A) and (C).	
		Subsidence, slant, opening of the joint on the oil protection bank of transformer. Service platform in the spent fuel pool fell on the spent fuel storage rack with spent fuels. No damage to the fuels.	Spent fuel pool water analyses confirmed there is no damage to fuels.
		500kV New Niigata 2L shut down.	
Switch yard	_	Slight gas leakage from breaker of 500kV New Niigata 2L.	Temporarily repaired with rubber bands.
		Oil leakage from 500kV South Niigata 2L black phase bushing (South Niigata 2L shut down.) Slippage of soil from the east-side slope.	Unknown amount of oil leakage. Considering oil removal. Crack with width of about 10 cm.
Solid Waste Storage Warehouse	_	Several hundred drums in the solid waste storage warehouse tipped over and several tens of drums were found with their lids open.	No radioactive material detected from measurement of airborne radioactive material concentration in 4 locations of the solid waste storage warehouse. Confirmed water leakage from tipped over drums. Amount of leakage: 16 liters. No radioactivity. Soaked up leakage from the floor. Although no impact on external environment has occurred, all intake and exhaust opening of the warehouse were sealed on July 20 th .
Administration Office Building	_	Normal power supply to the main office building were shut down. Power is supplied from emergency power source for the emergency response room, etc. No damage occurred to the building structure (columns and beams) of the office and information buildings. An expansion joint was damaged; many cracks occurred; many glass panes broke; the rooftop air conditioning unit was damaged; the waterproof tank was damaged; ducts fell; cooking equipment fell.	Power supply to the emergency response room has been restored to normal power.
Site and others	_	Partial damage to the diagonal steel frame of the lightning arrestor tower.	No damage found on main frame.
Officia		Penetration of the joint in the bank of heavy oil tank.	Restored on July 20 th .
		Part (north slope) of the soil disposal area collapsed.	
		Water leaked from the drinking water tank.	
		Fire protection system: the pipe was damaged at five locations, resulting in water leaks. KK-1: Northeast side of the reactor building KK-1: West side of the turbine building KK-1: Near the fire hydrant adjacent to the diesel oil tank KK-2: Feed line to the service building KK-2: Feed line to the heat exchanger building	KK-1: Northeast side of the reactor building—restored on July 18 th . KK-1: West side of the turbine building— restored on July 20 th . KK-1: Near the fire hydrant adjacent to the diesel oil tank—restored on July 19 th . KK-2: Feed line to the service building—restored on July 17 th . KK-2: Feed line to the heat exchanger building—restored on July 20 th .
		The environmental minicomputer (Unit 1 service building) and telemeter transmission to the prefecture became disabled.	Restored telemeter transmission to the prefecture on July 17 th at 15:40. Restored all system on July 18 th 18:00.

The station road was cut off. Soil liquefaction occurred in a wide area of the site.	Currently travelable.
A 50 cm difference in road level occurred in the approach road, making it impassable. Repair work begun.	Currently travelable.
Bank protection of the north-south discharge outlet sunk.	
Water intake bank protection joint crack. Onsite control panel of heavy oil tank fire protection system damaged.	Size of crack: maximum about 8 cm. Restored on July 19 th .

[Other Information]

- Total number of injured person at the Kashiwazaki-Kariwa site since the occurrence of earthquake: 7.
- On July 18th, two additional incidents were reported (all 9 including the above 7 had no radiation exposure):
 - A worker became sick at the unit 2 work site.
 - A restoration worker at the administration building visited the hospital due to dust entering his eye.
- Reactor water analyses for units 2 through 7, which have fuels in the reactor core, confirmed there is no damage to fuels in the reactor core.
- Periodic measurements for radioactivity from the main exhaust stacks for units 1, 2, 3, 4, 5, and 6 confirmed there is no radioactivity.
- A periodic manual start-up surveillance testing for 1 out of 3 emergency diesel generators for each unit (totaling 7 diesel generators) will be conducted on July 25th. A total of 20 tests will be conducted in 3 days (1 diesel generator per day for each unit excluding one for unit 1 that has been under inspection since before the earthquake). Please note that black smoke will come out of the exhaust pipe installed on top of the reactor building at the time of start-up of the diesel generators.
- Breakage found on the coupling of the drive axis of the unit 6 reactor building ceiling crane.