

Restart information of the Ikata nuclear power station unit 3

July 17, 2016

Shikoku Electric Power Company

Ikata Unit 3: The Reactor Coolant Pump (RCP) No.3 Seal Leakoff Rate Increase

It was detected that the flow rate increased in the No.3 seal leakoff line of the RCP-3B of the Ikata Unit 3 (PWR, 890Mw) during the RCP test operation.

Operators tried to adjust seating condition of the No.3 seal without success. At 9:20am today, the station decided to replace the affected seal with spare one.

The No.1 and 2 seals of RCP-3B are working in a good condition.

There is no radioactive impact to the environment due to this event

This event is not in the category of events which require reporting to the government according to the law or circular notice.

(Reference) No.3 seal leakoff rate

The RCP shaft is sealed by triple sealing system of No.1, 2 and 3. While the primary coolant is sealed by No.2 seal, No.3 seal serves to control pure water to clean the No.2 sealing part.

The flow rate at the No.3 seal outlet is called the No.3 seal leakoff rate.

The No.3 leakoff water travels in the dedicated piping until reaching the tank within the containment vessel.

(Translated by JANSI)

Schematic of the Ikata Unit 3 RCP shaft sealing

