

< Reference >
October 24, 2012
Tokyo Electric Power Company

Hydrochloric Acid Leakage from Unit 3 Spent Fuel Pool Desalination System (Mobile RO) at Fukushima Daiichi Nuclear Power Station



東京電力

Hydrochloric Acid Leakage from Unit 3 Spent Fuel Pool Desalination System (Mobile RO)

Incident occurrence

October 24, at around 5:21 AM

An alarm indicating mobile desalination system abnormality (desalination system unit leakage detection) went off at the mobile desalination system under suspension.

At around 5:40 AM

An employee on duty left for site investigation

At around 6:15 AM

Yellowish liquid accumulation was found (2.5m x 3m x 1cm, approx. 75L)

At around 6:32 AM

The incident was reported to Tomioka Fire Department (Arrived at the main gate at around 7:19 AM and left the main gate at around 8:33 AM)

At around 9:00 AM

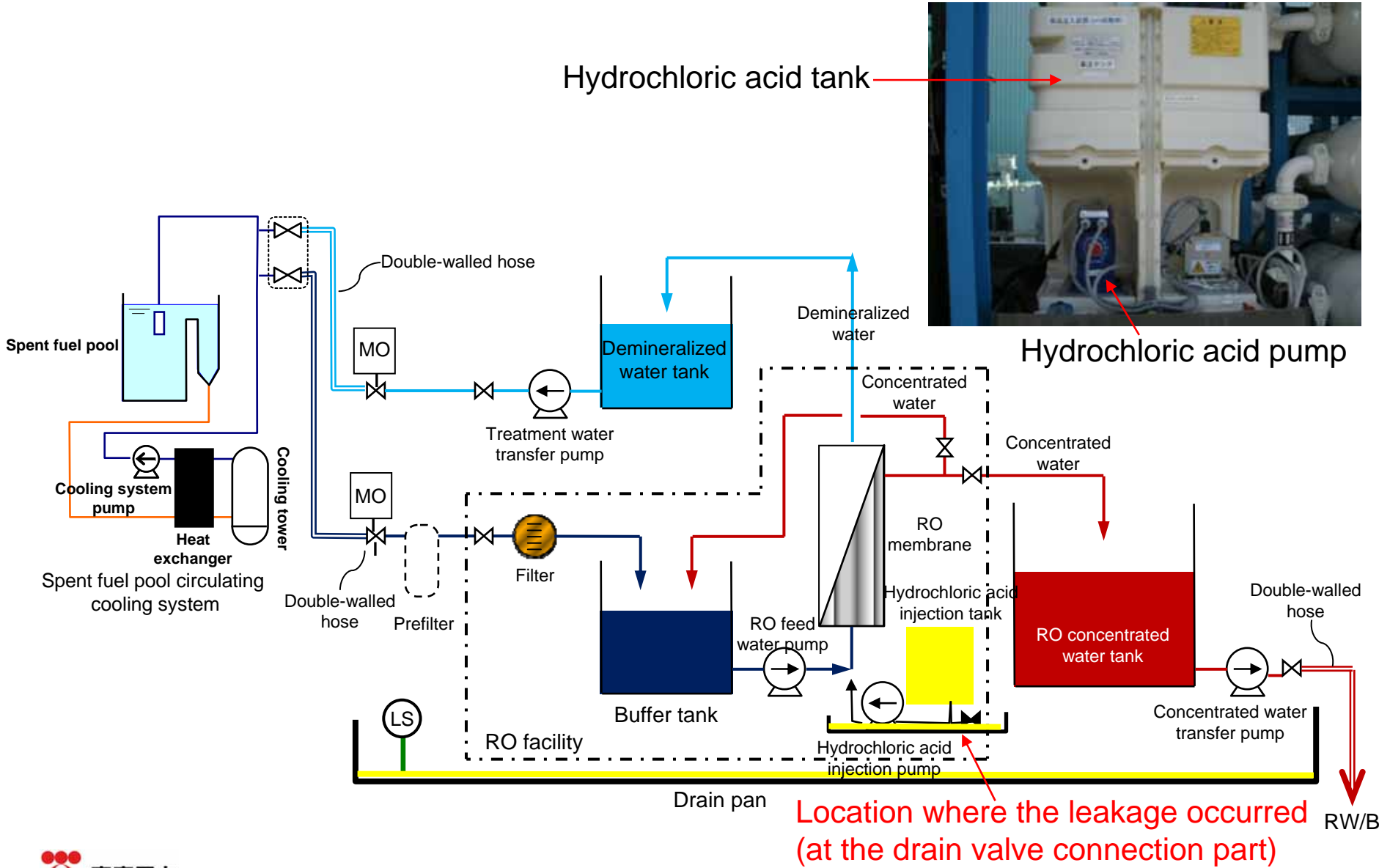
Site investigation and sampling of the leaked liquid were performed.

At 10:38 AM

The leaked liquid was identified to be 25% hydrochloric acid as a result of sampling.

Cleaning and cause investigation are currently ongoing.

Hydrochloric Acid Leakage from Unit 3 Spent Fuel Pool Desalination System (Mobile RO)



Leakage Location (Photos)

Hydrochloric acid pump discharge line

Hydrochloric acid tank



Hydrochloric acid pump

Hydrochloric acid tank drain valve

Hydrochloric acid pump suction line