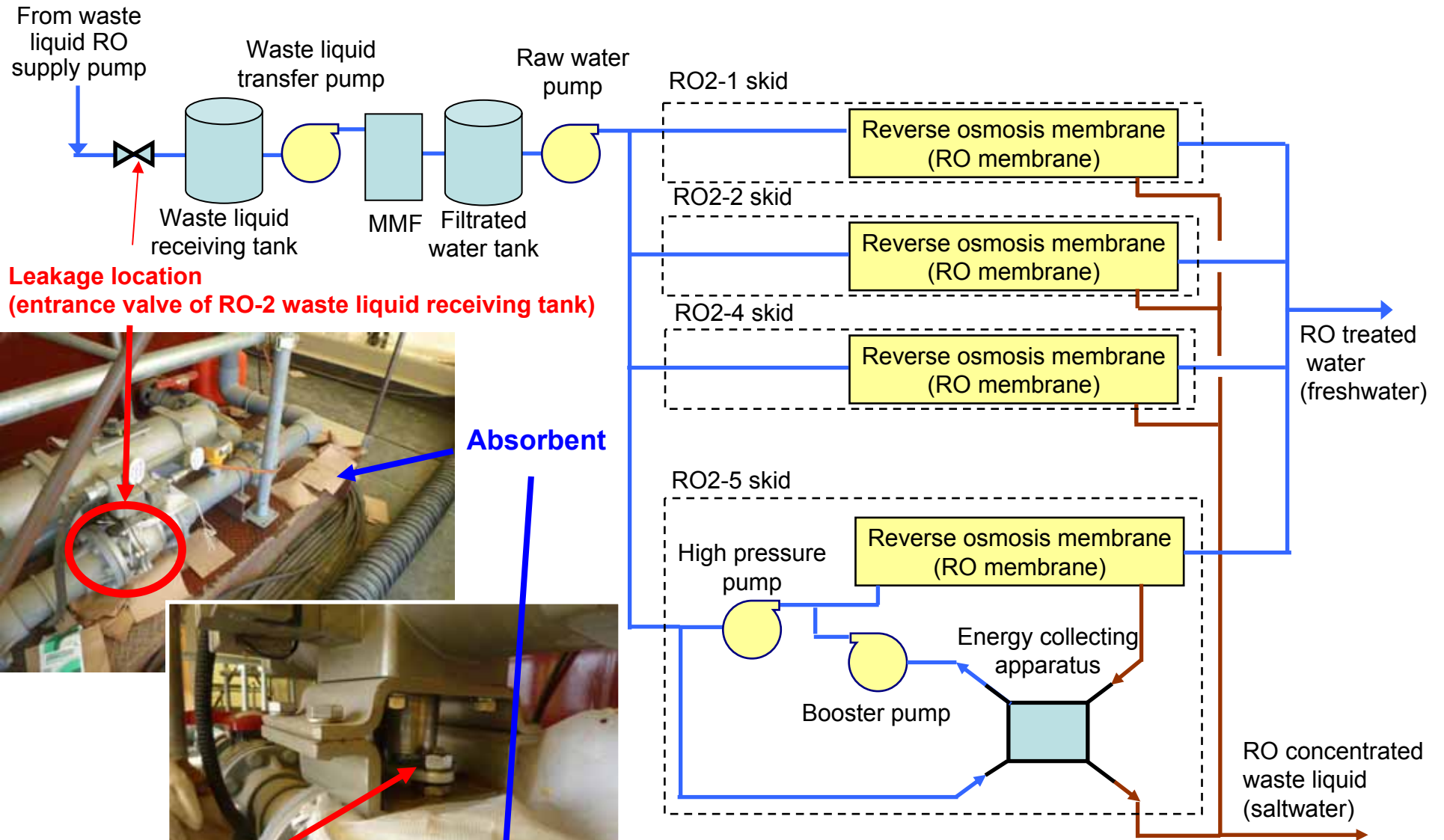


## Water Leak From Gland Part of Entrance Valve of Waste Liquid Receiving Tank in Desalination System (Reverse Osmosis Membrane) No.2 at Fukushima Daiichi NPS

- Date: December 2, 2013
- Location: Desalination system (reverse osmosis membrane) No.2 inside a temporary warehouse
- Chronological order:
  - 9:15 AM Desalination system No.2 (hereafter RO-2) was activated.
  - 9:40 AM A TEPCO employee, who entered the temporary warehouse in order to check the site condition after activation of RO-2, found water leaking at the pace of 1 drop per second from the air controlled valve gland part at the entrance part of a waste liquid receiving tank (entrance valve of RO-2 waste liquid tank).
  - 9:42 AM RO-2 was suspended by hand.
  - Around 10: 00 AM The leakage was confirmed to be stopped after the gland part of this valve was tightened.
  - Around 11: 58 AM Operation check and leakage check under pressure was performed after this valve was protected, and no problem has been found.
  - 12:12 PM Since no abnormality was found on RO-2, operation of the system has started.
- Leakage amount: Approx. 1 liter (approx. 2m x 0.5m x 1mm [depth])  
\* The leaked water was wiped off by an absorbent.
- Estimated cause: Deterioration of gland packing (the packing has been abraded slightly due to secular use of a valve)
- Future correspondence: Similar valves which are being switched ON/OFF repeatedly when desalination system is in operation, will be inspected regularly if they are tightened properly.

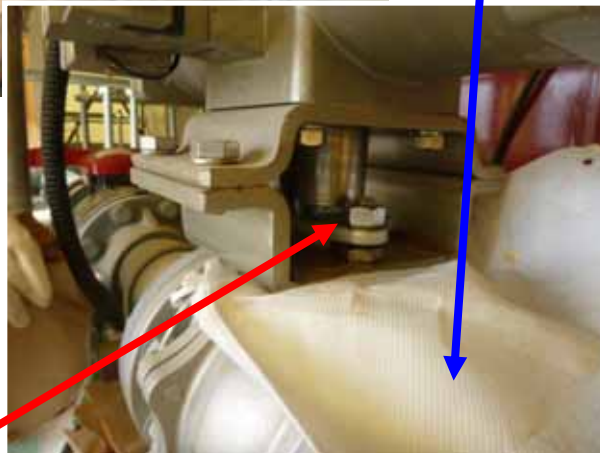
# Leakage Location of Desalination System (Reverse Osmosis Membrane) No.2



**Leakage location**  
**(entrance valve of RO-2 waste liquid receiving tank)**



**Absorbent**



**Leakage location**  
**(gland part at entrance valve of RO-2 waste liquid receiving tank)**

Photo taken by TEPCO on December 2, 2013