

Water Leakage from the Desalination System (Reverse Osmosis Membrane) 3

Day and time: Found at 9:42 AM on September 15.

Location: In the temporary warehouse of the desalination system (Reverse osmosis membrane) 3

Detail

1. A TEPCO employee on patrol found a puddle on the floor as he entered the temporary warehouse (at 9:42).
2. The desalination system (Reverse Osmosis membrane) 3 was stopped manually (9:42) and the leakage was stopped (11:15).

Estimated leakage amount: Approx. 0.25m³ (The leaked water remains in the dam and has not flowed outside of the system.)

Radiation dose measurement results

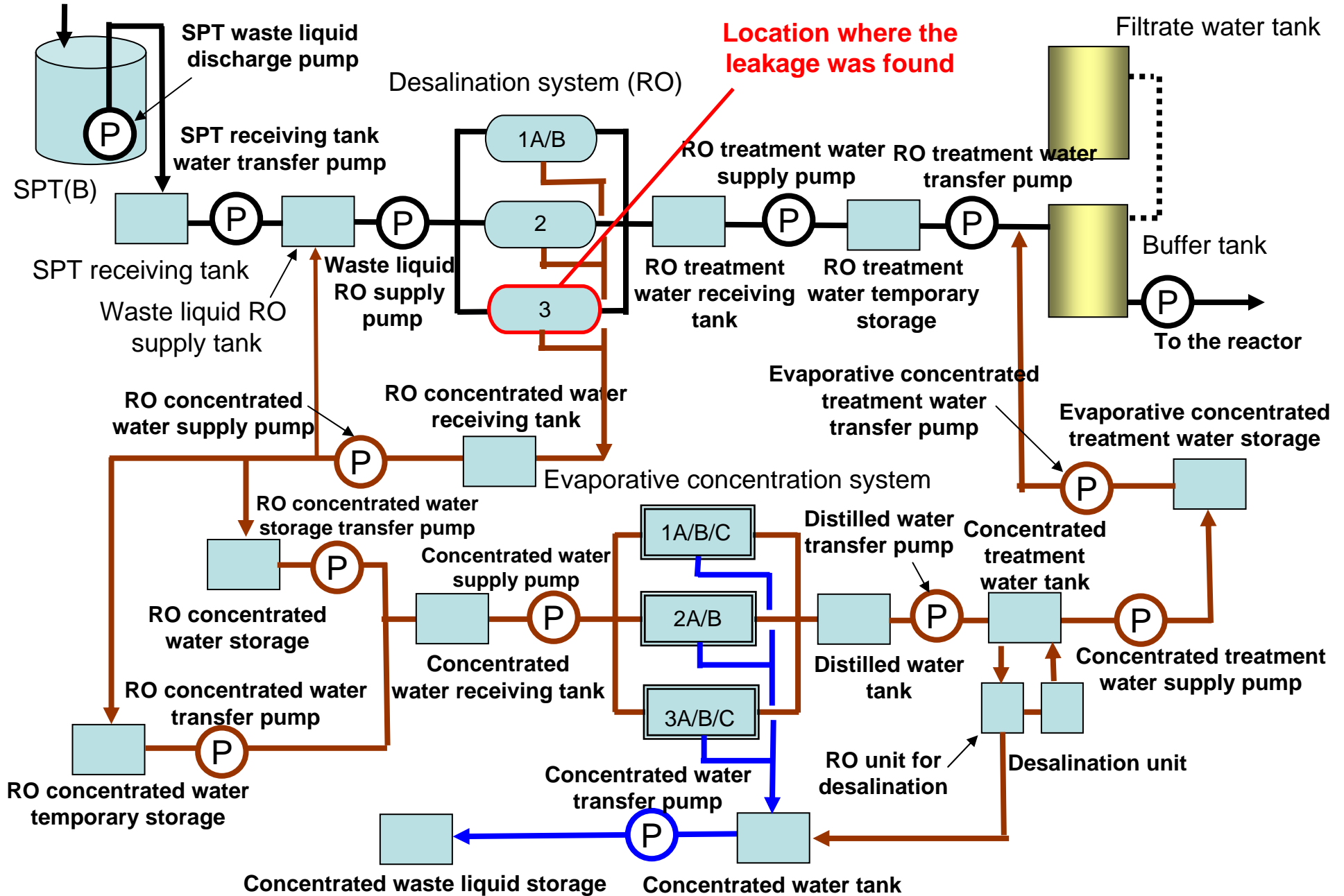
:0.07 [mSv/h], :1.33 [mSv/h] (Measured on the water surface)

Leakage area: Screw on the outlet side of the high pressure pump of Skid 3 of the desalination system (reverse osmosis membrane) 3

Cause: To be investigated (the system will be disassembled for inspection).

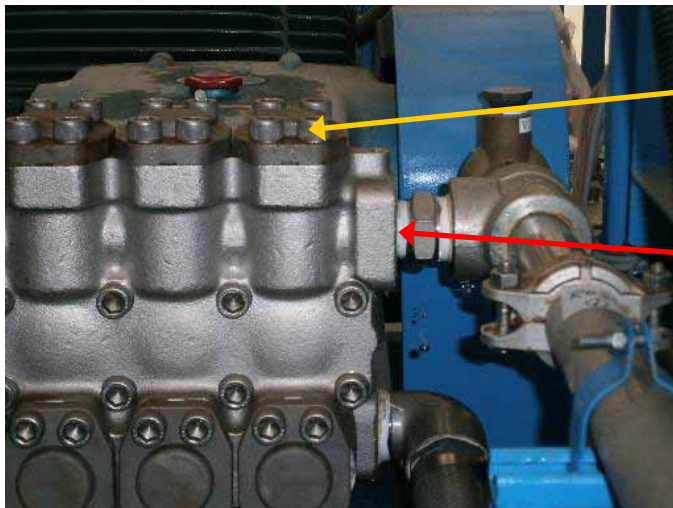
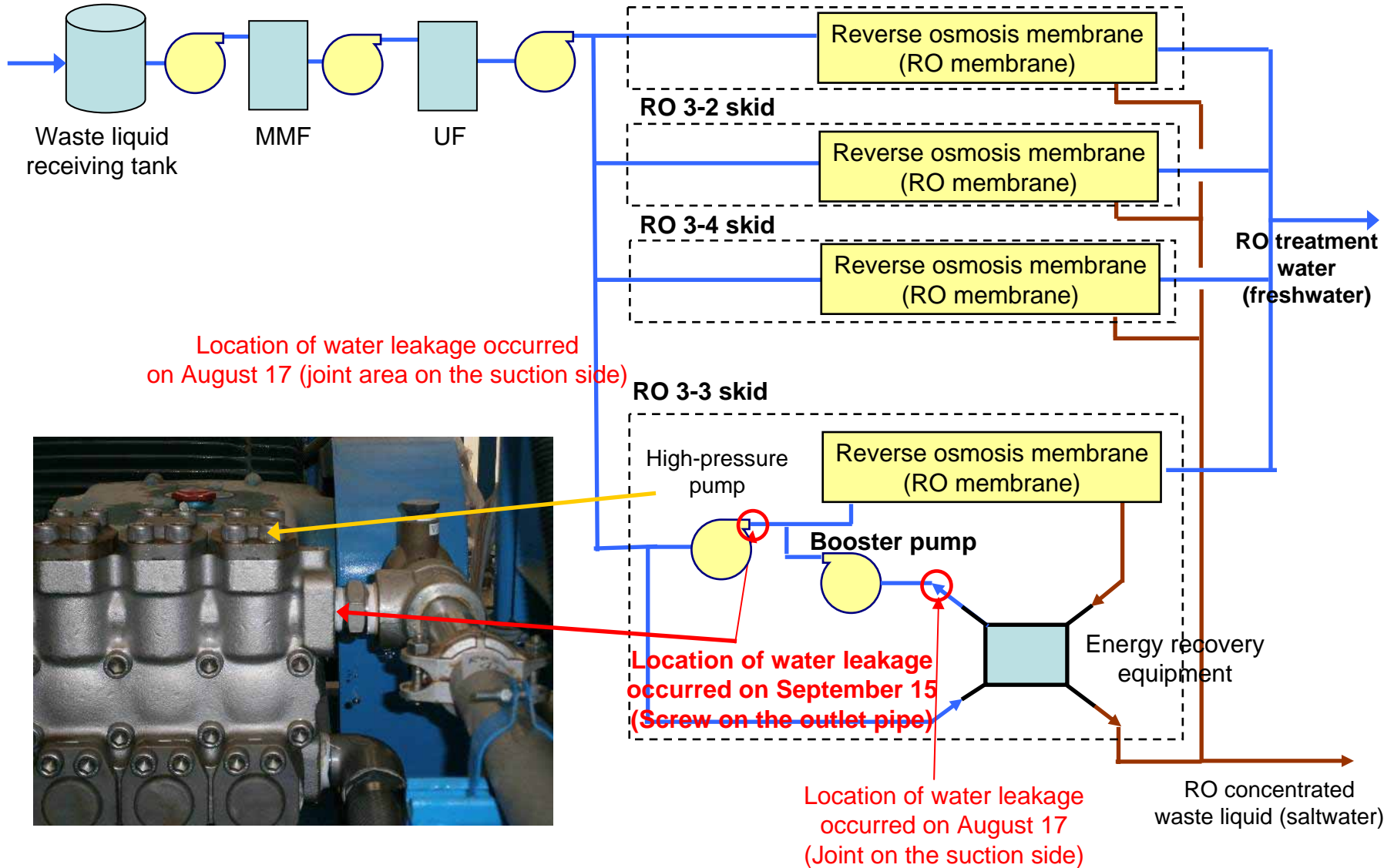
From the decontamination system

Overview of the Desalination System



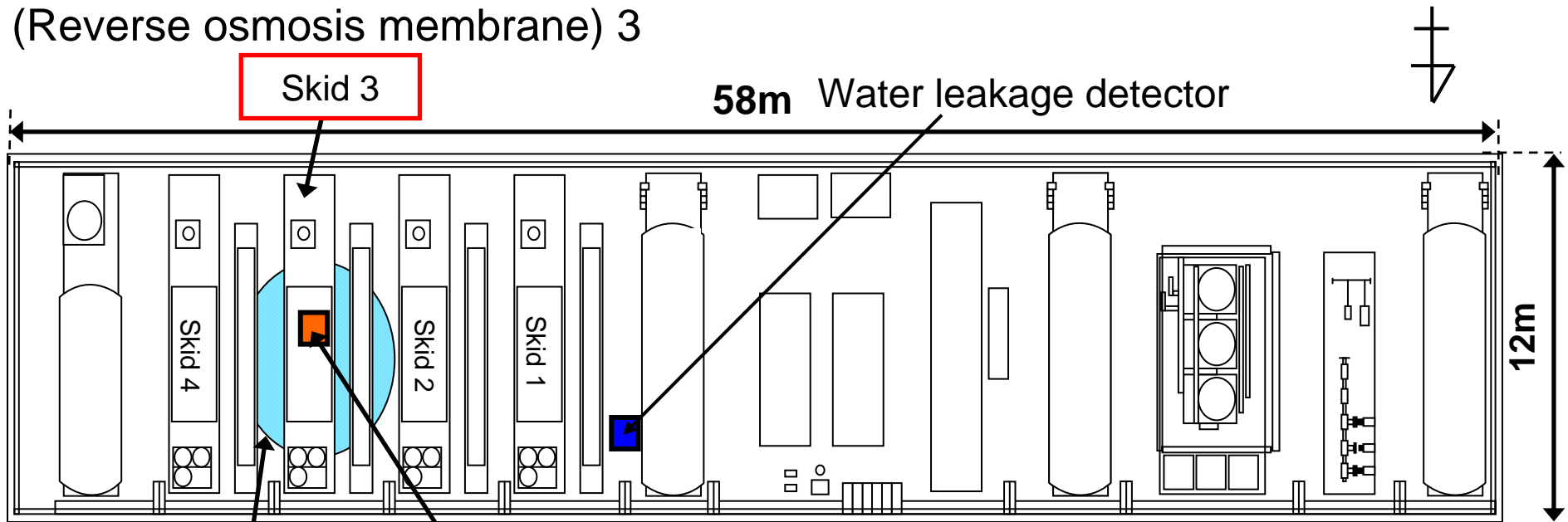
Water Leakage Area in the Desalination System (Reverse Osmosis Membrane) 3

From the waste liquid
RO supply pump



Water Leakage Location in the Desalination System (Reverse Osmosis Membrane) 3

Temporary warehouse of the desalination system
(Reverse osmosis membrane) 3



Leaked water

7m x 7m x 5mm (Depth)

(Estimated leakage amount: Approx. 0.25m³)

