

## Water leakage from the concentrated water tank of the water desalinations (reverse osmosis membrane)



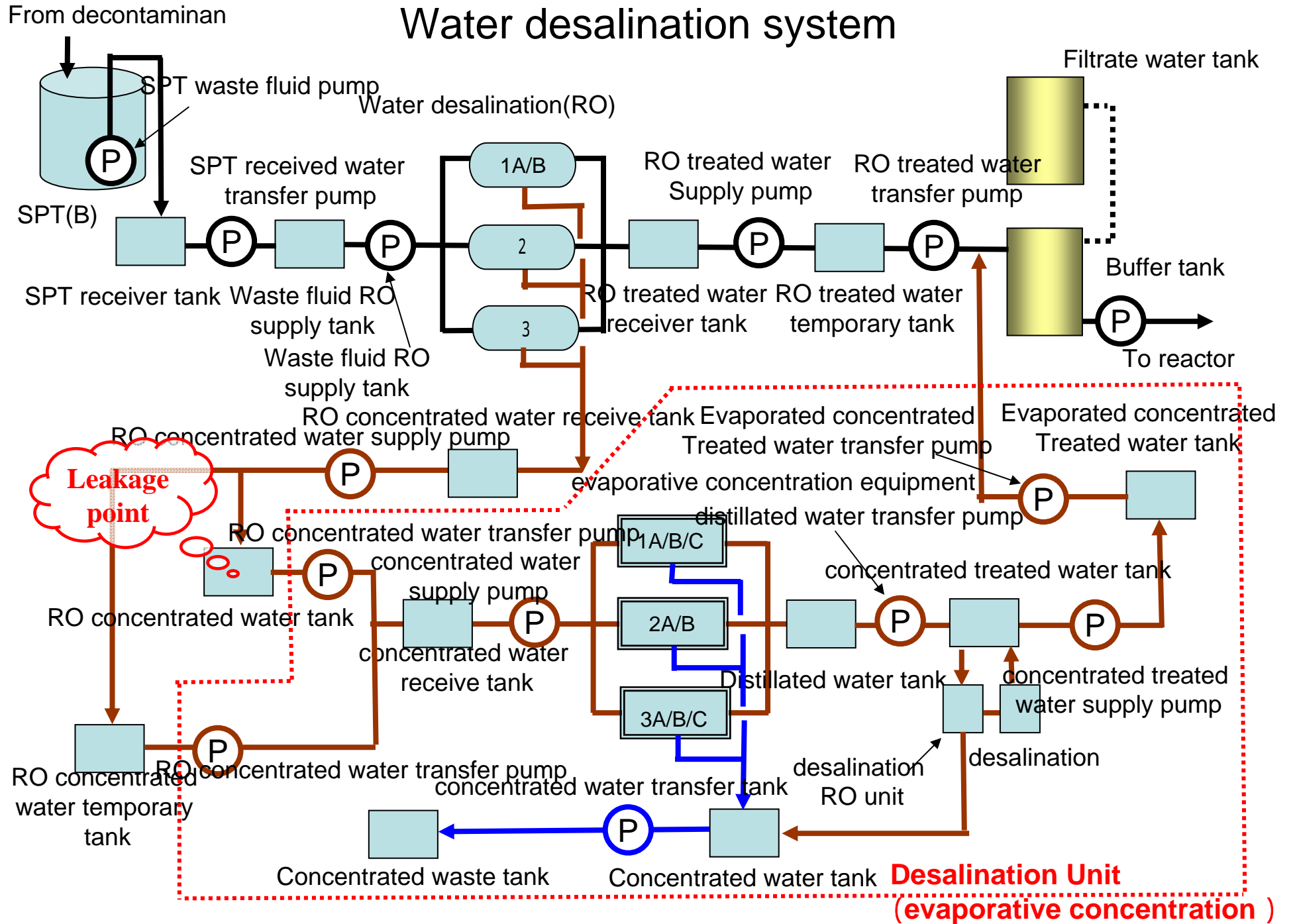
Leakage point

<Leaked tank>

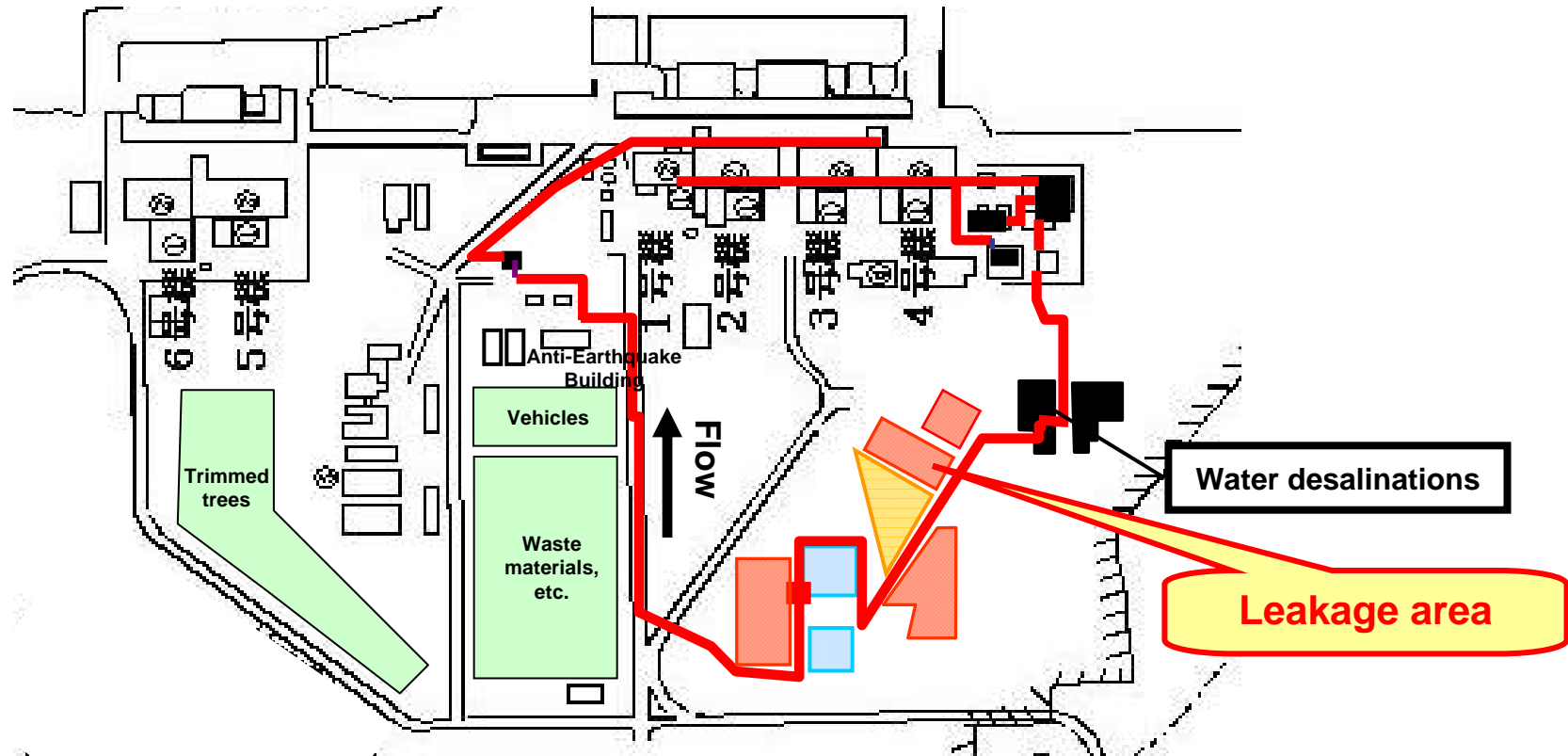


<Close-up photo of the leaked point>

# Water desalination system



# Installed situation of the tank



Unit 1 to 4 Layout of the water desalinations

- : Water transfer line
- : RO concentration tank
- : Evaporative concentration water tank
- : Freshwater tank

## Sampling result of leaked water from base of concentrated water tank of the Desalination Unit

【sampling point】 concentrated water tank of the Desalination Unit

【sampling date】 11:30 am Jan. 10, 2012

【Result】

iodine	Density of radioactive materials ( Bq/cm <sup>3</sup> )	detection limit ( Bq/cm <sup>3</sup> )	half period
I-131	Under detection limit	$8.5 \times 10^0$	Approx. 8 days
Cs-134	$9.4 \times 10^1$	$1.1 \times 10^1$	Approx. 2 years
Cs-137	$1.1 \times 10^2$	$8.5 \times 10^0$	Approx. 30 years
All	$5.0 \times 10^5$	$2.1 \times 10^3$	—