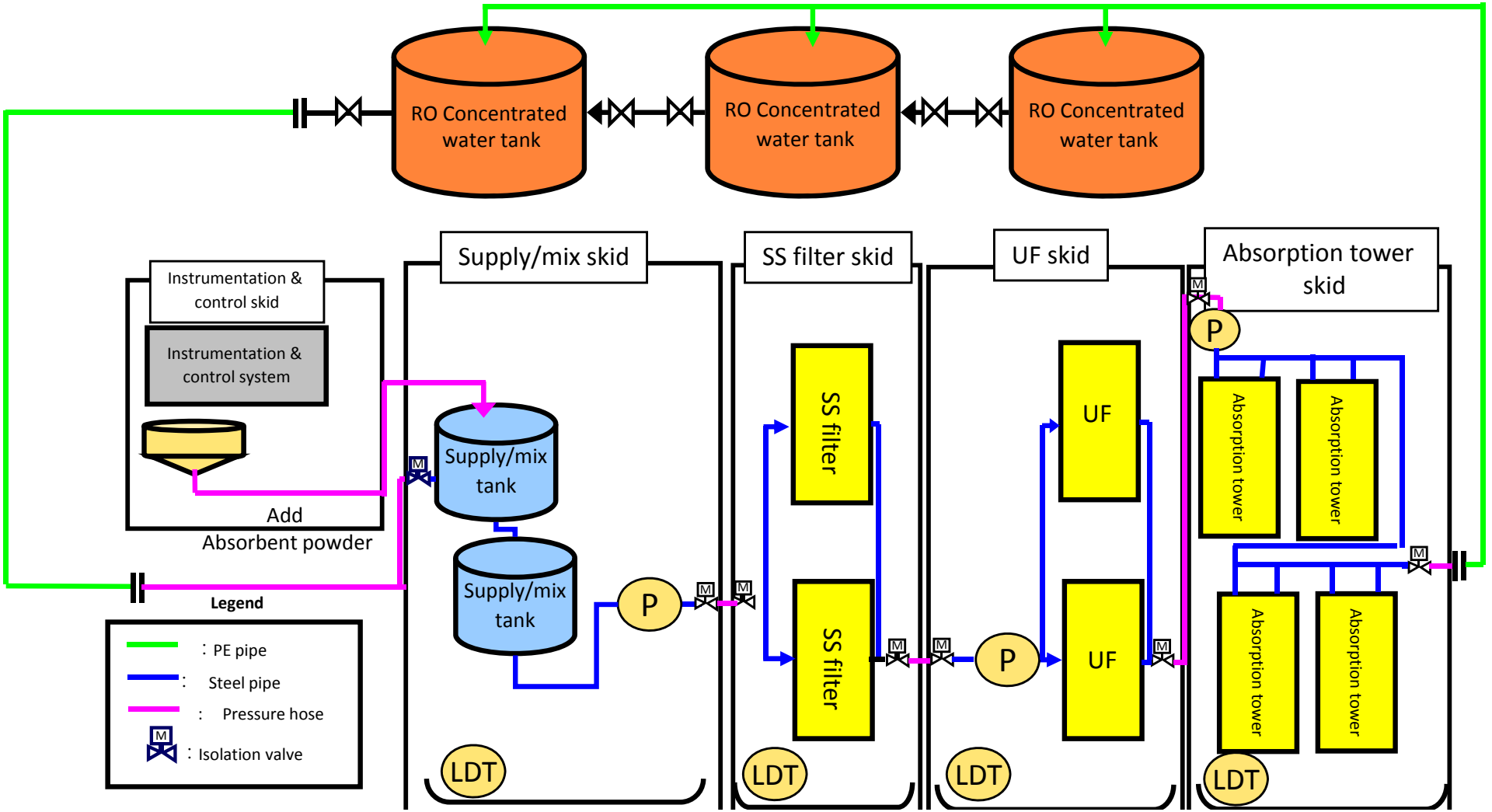
Operational Start of Mobile Strontium Removal Equipment at Fukushima Daiichi NPS

<Reference>
October 2, 2014
Tokyo Electric Power Company

Equipment outline

- The equipment is composed of five skids (Instrumentation & control, supply/mix, SS filter, UF (ultra filter)), and absorption tower), and radioactive strontium can be removed through the filter and absorption tower.
- Processing capacity is 300 m^3/ day. (removal capacity (target): 1/10 to 1/1000)
- Leakage prevention pan and leakage detector are equipped with each skid.



Purpose of installation:

Among the facilities (tanks) used for storing treated water transferred from the contaminated water treatment facilities, RO concentrated water tank is made for the wastewater produced from the reverse osmosis device, which includes a high degree of strontium. In order to reduce the level of strontium and the corresponding risks listed below, mobile strontium removal equipment is installed.

- Reduce any risks which may cause leakage by lowering the level of strontium 90, which is one of the main nuclides in RO concentrated water.
- Reduce radiation dose at site boundaries by lowering the level of strontium.
- Reduce the amount of the workers' radiation exposure on patrol.

< Installation location>

＜Date: Oct 1, 2014 by Tokyo Electric Power Company＞