Simplified Active Water Retrieve and Recovery System (SARRY)

Objective: To improve stability and redundancy of the water treatment system

Features: Simplified system. Streamlined with lead shield.

- Remove Cs. First half: adsorbent with low percentage of removal
  Second half: adsorbent with high percentage of removal
- Remove and transfer used adsorption towers with lifting equipments (hydraulic) and transfer machines exclusively installed indoors
- Weight of Containers = 24 tons
- 20-25 m3/h/line × 2 lines = 40-50 m3
Overview of Cesium Removal System (SARRY)

IN  Filters  Adsorption Equipments  Filters  OUT

Pumps
Overview of Treatment System for Highly Concentrated Radioactive Water

Treating order can be changed by the valve (ie. Coagulation Settling Equipment → Cesium Adsorption Equipment)

Water Flow:
- Process Main Bldg
- Oil Separator
- Cesium Adsorption Equipment
- Coagulation Settling Equipment
- Desalination Equipment

Storage Tank
Treated Water Tank
Desalination Equipment
Treated Water Tank
On-site Bunker Bldg
SPT(A) Tank
Incineration Workshop Bldg
Cesium Adsorption Equipment
Treated Water Tank
SPT(B) Tank
Chemical Injection Equipment
Pressure Floatation Separator
Coagulation Settling Equipment
Treated Water Tank
Sludge Tank

SARRANT
Kurion

High Temperature Incinerator Bldg
Cesium Adsorption Equipment
Treated Water Tank
SPT(A) Tank

Installation Work of Cesium Removal System (SARRY)

Carrying in parts

Installing valves and piping

Installing pumps

Installing a lifting equipment for changing containers