Occurring Mechanism of High Radioactive Dose location (3Sv/h)

- Exhaust the air inside through Automatic Vent during the filling water for replacing Vessel etc.
- Being pushed up the float by hydraulic pressure, the air inside is pushed out. When the float comes top, the vent is closed by it. Therefore the water inside doesn’t go out.
- We estimated that fluctuating inlet pressure during washing caused small amount of contaminated materials outflow to main piping, therefore a part of high radiation dose occurred.

During Regular Operation
- Vent
- Drain
- Air
- Float
- Vessel
- Hydraulic pressure

While washing
- Vent
- Drain
- Air
- Float
- Vessel
- Hydraulic pressure

Countermeasure:
- Close inlet valve not to flow out fine contaminated materials

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Tokyo Electric Power Company