

Fukushima Daiichi Nuclear Power Station

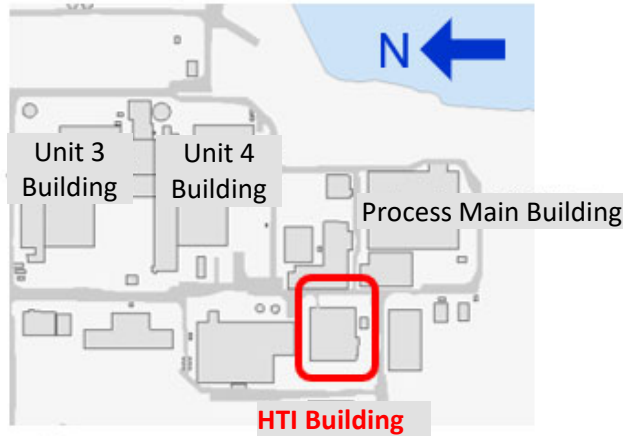
Water leak from the east side wall of the high-temperature incinerator building

- At around 8:53 AM on February 7, a contractor worker discovered water leaking from vent opening (to vent hydrogen generated inside the adsorption apparatus) from the #2 cesium adsorption apparatus (SARRY), which is located approximately 5m from the ground on the east side wall of the high-temperature incinerator building.
- During the same time period, filtrated water was being used to flush out SARRY, which was shut down, in preparation for a valve inspection. At around 9:10 AM, the master valve for the filtrated water was closed and around 9:16 AM it was confirmed that the leak had stopped. The leaked water consisted of system water and filtrated water, and resulting approximately 1mm deep puddle covered an area approximately 4m x 4m on the metal plates laid on the ground in this location. Since it is possible that the leaked water seeped into the ground through the gaps in the metal plates, as an emergency measure the aforementioned area has been cordoned off and the soil in this area will be collected going forward.
- In conjunction with the leak, we have confirmed that there was no significant fluctuation in site border monitoring posts, continuous dust monitors, and drainage channel monitors, and at current time we have seen no impact on the external environment, but we will continue to closely watch these monitors.
- After a quick assessment of the amount of water that leaked (conservatively calculated to be approximately 5.5m³ of system water; gross γ assessment: 2.2E+10Bq), it was determined that the leak corresponds to a, "*A leak of nuclear fuel material, etc. (excluding gaseous substances) inside a controlled zone as a result of a malfunction or other unforeseen circumstances at a commercial nuclear reactor facility,*" as noted in rule 18.11 of the Rules Pertaining to Safety and the Protection of Specified Nuclear Fuel Material at the TEPCO Fukushima Daiichi Nuclear Power Station Nuclear Reactor Facility.
- The cause of this incident is under investigation, but after determining the cause we will implement suitable recurrence prevention measures.

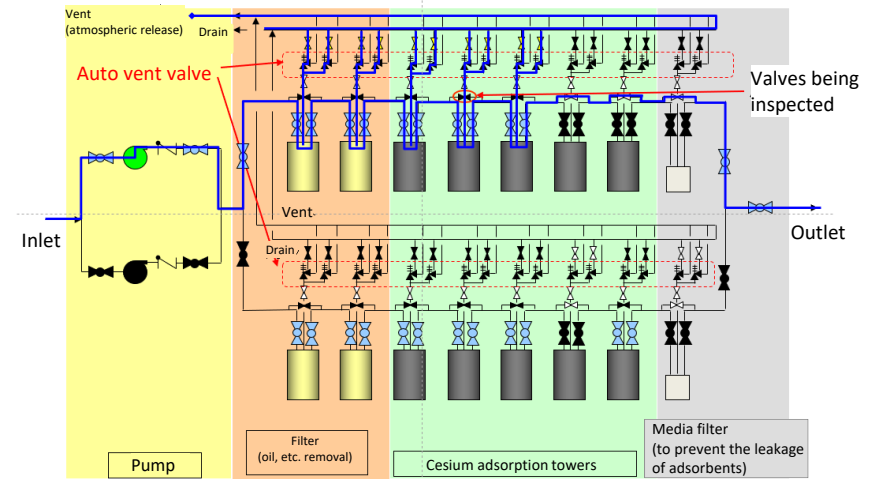
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< Reference document >
 February 7, 2024
 Tokyo Electric Power Company Holdings, Inc.
 Fukushima Daiichi Decontamination &
 Decommissioning Engineering Company



【Location of the high-temperature incinerator building】



【#2 Cesium adsorption apparatus schematic】



【Field conditions (external view of the building)】



【Enlarged picture of the vent opening】



【Metal plates laid on the ground】