

Suspension of the operation of the ALPS treated water dilution/discharge facility in conjunction with a loss of on-site power, and injured person

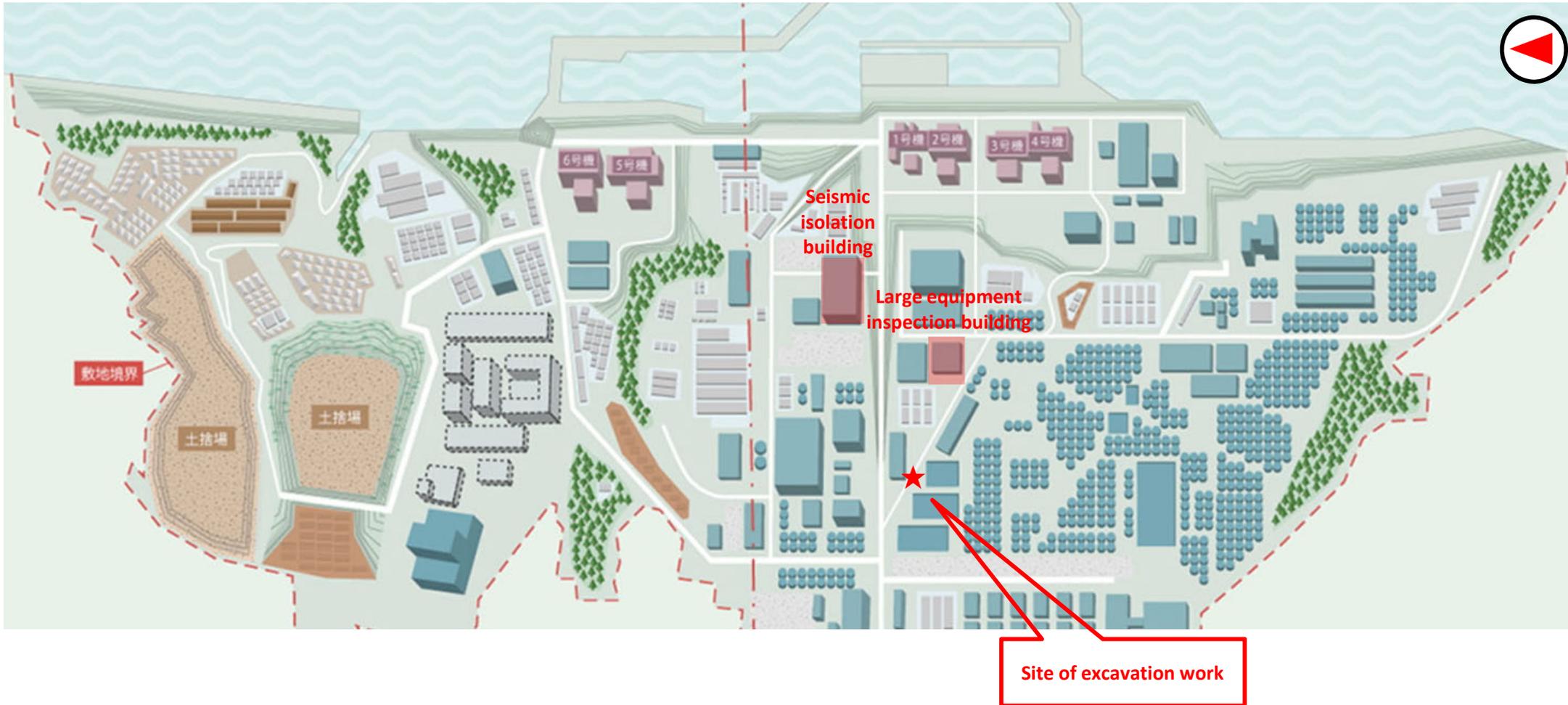
- At around 10:43 a.m. today (April 24), on-site power system A was lost.
- Functions that keep each plant stable (reactor cooling water injection, spent fuel pool cooling, primary containment vessel gas management system, etc.) remain in operation, and no significant fluctuations have been seen in parameters for monitoring posts or site boundary continuous dust monitors.
- In conjunction with the loss of on-site power system A, the ALPS treated water dilution/discharge facility, which was in operation, was automatically suspended, thereby suspending the discharge. No abnormality was seen with the ALPS treated water dilution/discharge facility. Furthermore, the seawater pump used to dilute ALPS treated water remains in operation. As soon as preparations have been completed, we will recommence the operation of the ALPS treated water dilution/discharge facility.
- At around the same time that on-site power system A was lost, a contract worker engaged in excavation work on the west side of the on-site large equipment inspection building was injured. A field inspection of the site of the accident found that the worker was excavating near a cable for on-site power system A. Therefore, it is assumed that the cable was damaged during the aforementioned excavation work resulting in the suspension of on-site power system A.
- The injured person is conscious and has not been contaminated with radioactive substances. A doctor from the entrance/exit control building emergency medical center at the power station treated the injured person and deemed that the injured person required emergency medical transport to hospital, and an ambulance was called at 10:57 a.m.

<Reference>

- Today, (April 24) at around 10:43 a.m., on-site power system A was lost, causing a loss of voltage to the seismic isolation building M/C (metal-clad switchgear), thereby constituting a deviation from the limited conditions of operation (LCO) (“AC voltage power bus needed to maintain the seismic isolation building is receiving power”) as stipulated in Part 1 Clause 29 of the Implementation Plan at 10:43a.m.. The seismic isolation building gas turbine generator automatically started up at 10:43 a.m., and it was confirmed in the field at 11:30 a.m. that voltage had been restored to the seismic isolation building M/C bus, so the LCO deviation was deemed to have been rectified.
- At around 2:23 p.m. on the same day, power system of seismic isolation building was lost as a process of restoring on-site power A, thereby constituting a deviation from the limited conditions of operation (LCO) (“AC voltage power bus needed to maintain the seismic isolation building is receiving power”) as stipulated in Part 1 Clause 29 of the Implementation Plan at 2:23 p.m.. The power supply from on-site common M/C 5A was established at 2:43 p.m., and it was confirmed in the field at 2:43 p.m. that voltage had been restored to the seismic isolation building M/C bus, so the LCO deviation was deemed to have been rectified.

<Reference> Fukushima Daiichi Nuclear Power Station Diagram.

<Reference document>
April 24, 2024
Tokyo Electric Power Company Holdings, Inc.
Fukushima Daiichi Decontamination &
Decommissioning Engineering Company



Fukushima Daiichi Nuclear Power Station Site Diagram