Commencement of installation of large cover in preparation for the removal of spent fuel from Fukushima Daiichi Nuclear Power Station Unit 1 (Anchor drilling)

<Reference Document>
April 13, 2022
Tokyo Electric Power Company Holdings, Inc.
Fukushima Daiichi D&D Engineering Company

- At the Unit 1 reactor building, a large cover that encompasses the building will be installed in preparation to remove rubble, etc. from the operating floor in order to improve the reliability of dust dispersion countermeasures and prevent rain water from seeping into the reactor building, and debris removal work is planned to be carried out inside the cover.
- The large cover will be supported directly by the reactor building, so we have been conducting inspections of the outer walls of the reactor building as part of preparations for cover installation.
- Inspections of the west, north and east outer walls of the reactor building have been completed and we have determined that there will be no problems hindering cover installation. Construction preparations were completed on April 12.

<The above has been announced by April 12, 2022>

- At 9:40 AM today (April 13), work to bore holes to secure anchors ※1 in the reactor building commenced as part of large cover installation.
- In order to reduce risks of workers exposure, a remotely operated anchor drilling device was used to drill the anchor holes and the actual drilling was done very carefully while using a dust vacuum attached to the anchor drilling device to suck up dust as the holes were bored. On-site dust monitors were utilized to appropriately monitor dust concentrations and no significant fluctuations were seen in dust monitors.
- We will continue with this task while prioritizing safety and watching weather conditions, such as wind and rain.

※1 Anchor: Steel bolts (Length: Approx. 30~45cm, Diameter: Approx. 3cm) that are one of the mechanisms used to support the load of the large cover. Anchors are secured with cement in holes approx. 30~45cm deep bored into the reactor buildings walls.

【Reference】Field conditions

※Photos take on April 13, 2022

Photo 1. Unit 1 reactor building conditions (high-angle view)

Photo 2. Installation of anchor drilling device (high-angle view)

Photo 3. Anchor hole boring

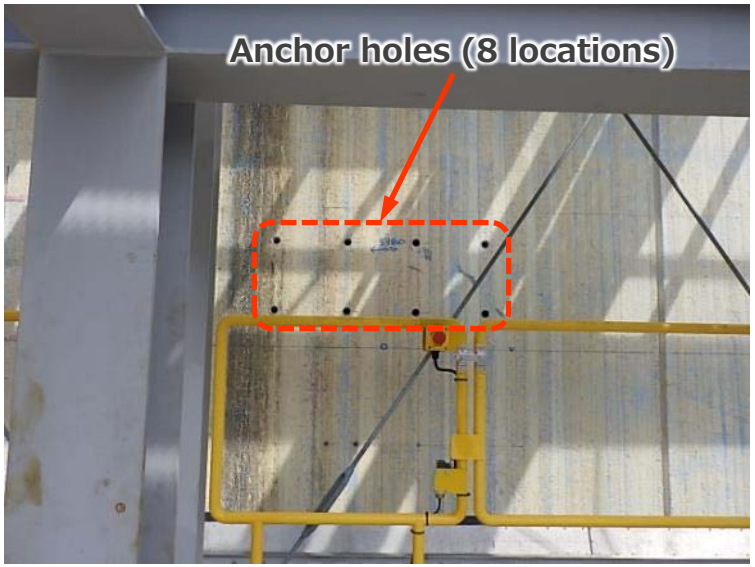

Photo 4. After anchor hole boring