

Disuse of Ring Badge and γ/β APD during Work Related to the Leakage from the Underground Reservoirs

(Timeline)

April 8 AM: A TEPCO employee found a cooperative company worker not wearing the ring badge. From 2:30 PM, the worker started work with a ring badge borrowed from TEPCO.

April 9 AM: TEPCO asked the radiation control personnel of the cooperative company about the circumstances.

PM: TEPCO (Head Office) reported to the Ministry of Health, Labour and Welfare on the protection gear worn by the cooperative company worker via e-mail.

April 11 PM: Hearing about the circumstances from the division of TEPCO in charge of work supervision and the radiation control personnel of the cooperative company.

April 12: TEPCO received a progress report regarding radiation control from the cooperative company.

April 15: While a TEPCO employee was checking the record of APD usage among other workers, it was found that some of them were not wearing γ/β APD.

April 16: TEPCO asked the cooperative company about the circumstances.

April 17: TEPCO explained about radiation dose evaluation to Tomioka Labor Standards Office.

April 19: TEPCO received a request for corrective action from Tomioka Labor Standards Office.

β Dose Control during Work Related to the Leakage from the Underground Reservoirs

Regular radiation control

In the area subject to β -ray radiation, workers are required to wear “ γ/β APD” for the purpose of understanding the β -ray radiation exposure dose.

*Rules specified by the radiation control specification

Body trunk: γ/β APD must be worn in the case of entering the area where β -ray is detected (β -ray area ($\gamma + \beta$)/ area where the γ -ray dose ratio exceeds 4).

Distal body parts: The radiation exposure is evaluated based on the reading of individual dosimeter worn on the body part with the largest radiation exposure.

Note) Contents included in the manual

Ring badge is required for work involving direct contact with accumulated water (including the RO treated water).

Radiation control implemented this time

-Up to the morning on April 8 AM

Body trunk: Some of the workers wore only electronic γ -ray dosimeter since they headed to the site directly from J-Village for emergency work.

Distal body parts: Ring badge was not used as workers assumed that the work would not involve direct contact with contaminated water.

-From the afternoon on April 8

Body trunk: All workers wore a γ/β APD.

Distal body parts: All workers handling contaminated water wore a ring badge.

Future action

Improvement measures will be considered while performing dose evaluation.