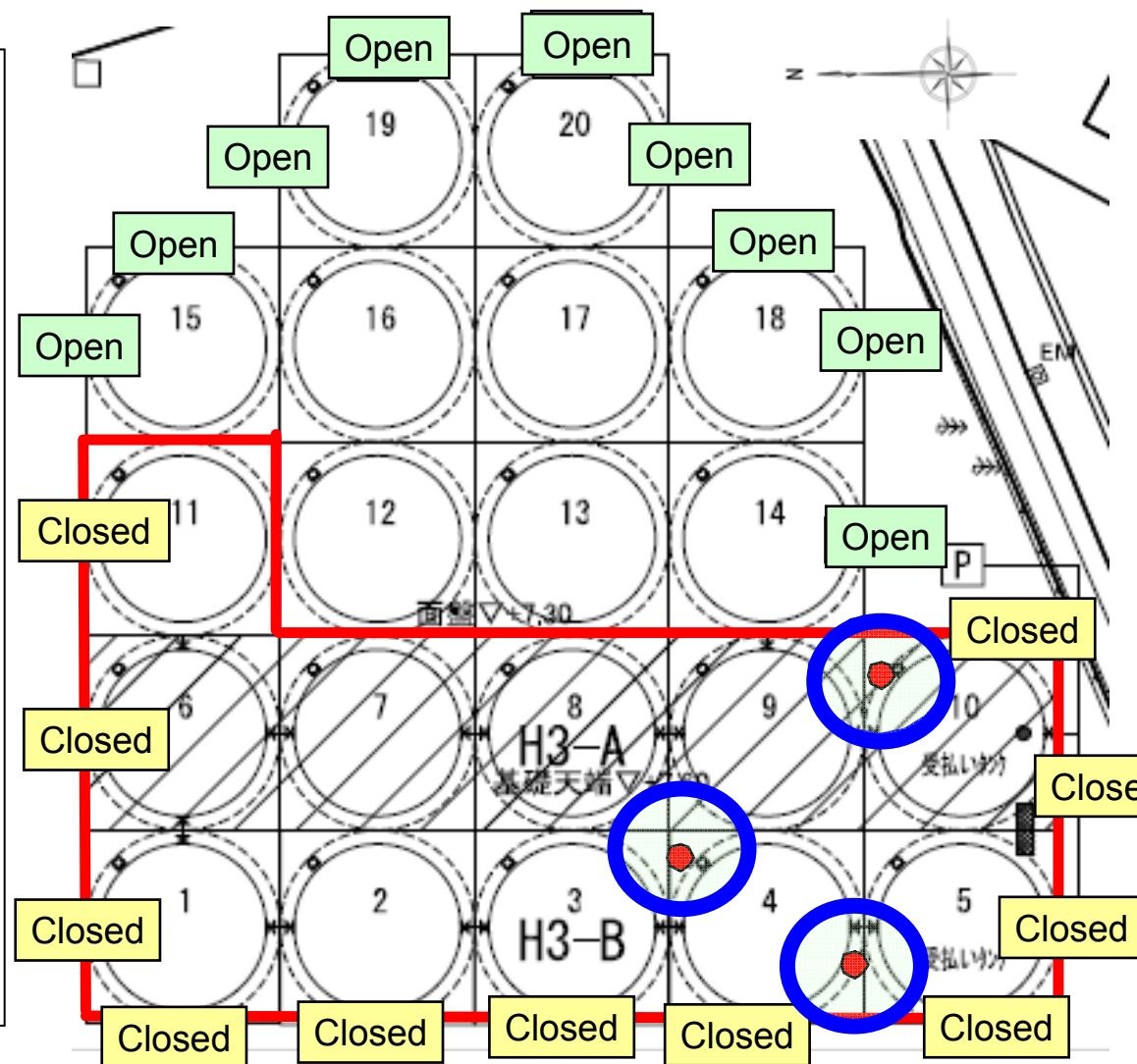


Radiation Sealing Test in H3 area Tanks

< Reference >
September 5, 2013
Tokyo Electric Power Company

1. Radiation sealing test

- On September 3, radiation sealing tests were performed at the bottom flanges on the north, south of No.4 Tank in B Group in H3 area, and on the north of No.10 Tank in A Group in H3 area, where high dose was detected (blue circles).
- Covering was performed with sealing materials and acrylic sheets used inside tanks, and rubber mats were laid on the concrete base in front of high dose parts in order to test the efficacy.



2. Covering tests procedure (photos taken at No.4 in B Group in H3 area (north))

- Plastering sealing materials at the bottom flange
- Acrylic sheet No.1-No.3
(width:approx.15cm×height:approx.10cm×depth:approx.1cm) were set
- Rubber sheets
(width:approx.1.5m×height:approx.1m×depth:approx.3mm) were set.

① Sealing of flange parts



② Acrylic sheet set



③ Rubber sheet set



3. Test results before and after covering

■ Test results of dose

< Before covering >

- No.4 in B Group in H3 area (north) 2,200mSv/h (5cm-distance) ※
- No.4 in B Group in H3 area (south) 500mSv/h (5cm-distance) ※
- No.10 in A Group in H3 area (north) 70mSv/h (5cm-distance) ※

< After covering >

- No.4 in B Group in H3 area (north) 30mSv/h (5cm-distance) ※
- No.4 in B Group in H3 area (south) 15mSv/h (5cm-distance) ※
- No.10 in A Group in H3 area (north) 10mSv/h (5cm-distance) ※

※ 70 μ m dose equivalent percentage (β ray)
(1cm dose equivalent percentage (γ ray)) is below 1mSV/h.