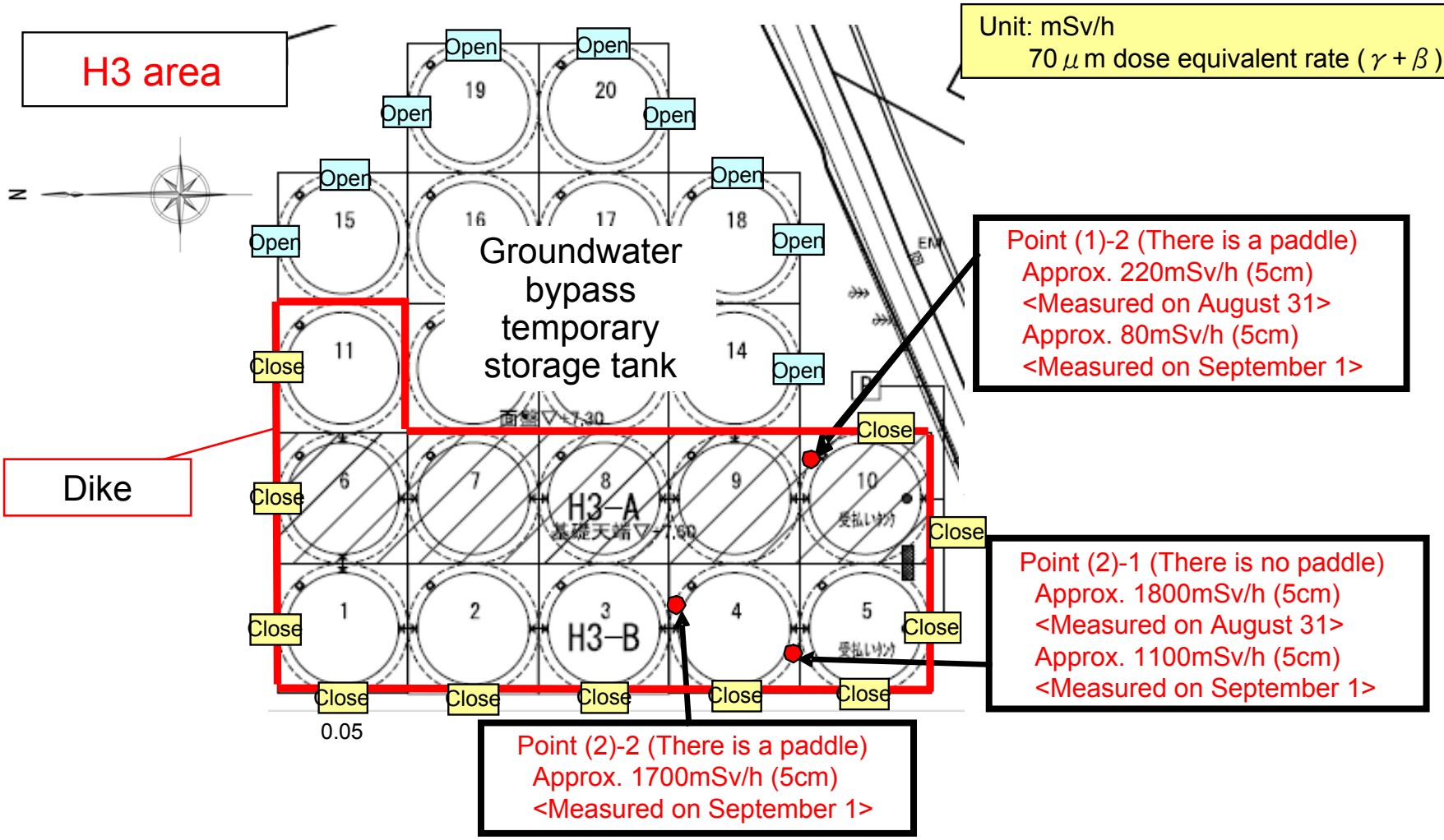
High Radiation Locations Found at the H3 Area Tank

<Reference>
September 2, 2013
Tokyo Electric Power Company

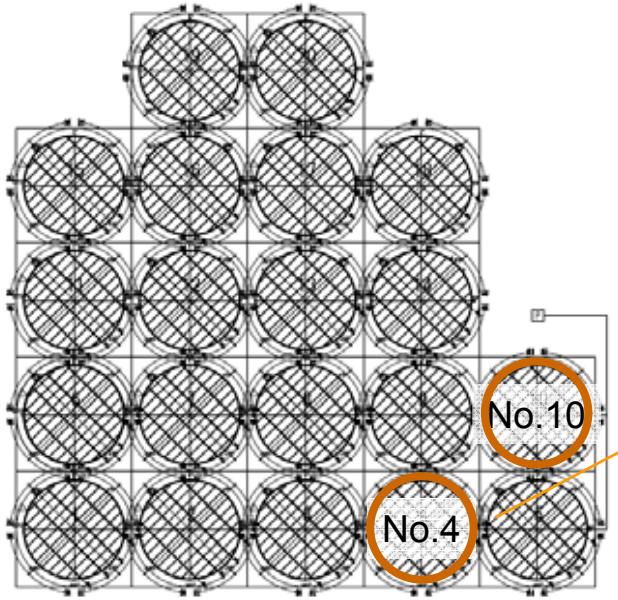
- As for 3 high radiation locations found during a patrol conducted on August 31 and September 1, there was no suggestion of water leak since
  (1) neither water dropping nor trace of leakage has been found
  and
  (2) radiation detected on the floor surface directly underneath the location was not high.
  We will continue to monitor the status closely and will investigate the cause of the high radiation in detail.
- All 3 high radiation locations were the flange parts of the bottom of the tanks (edge of a packing with water expansible water stop function).
- Aside from these 3 locations, there was a record that someone measured the bottom of the tank where radiation level was higher than the surrounding area. (Since the level detected was below the record standard (10mSv/h in the measurement conducted within 1m from the outer surface of the tank, at the height of 50cm), this record was voluntarily made). There is a possibility that this was also the flange part of the bottom of the tank, so we will implement a detailed investigation.
- There are 8 similar flange parts per each tank, so we will investigate flange parts of the other tanks.

Results of Patrol at the H3 Area

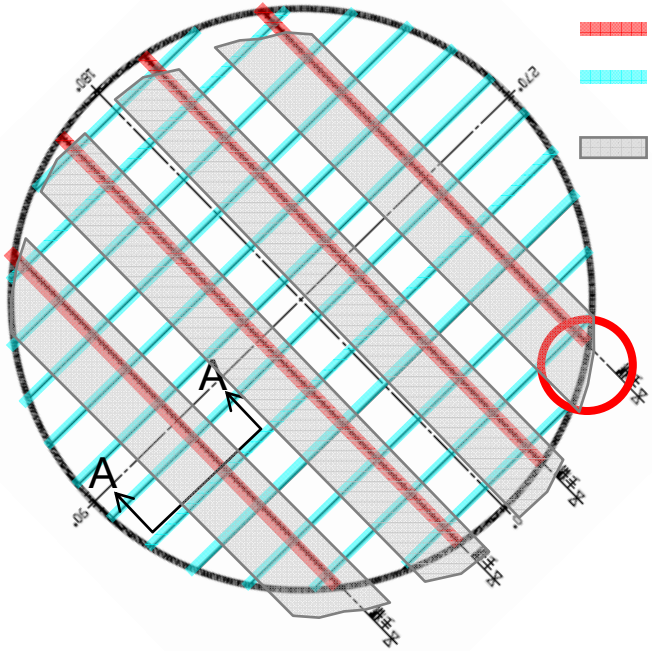


Water Stop Structure of the Bottom Plate at the H3 Area Tank

(Layout of the tanks)



(Plane view of the bottom plate)



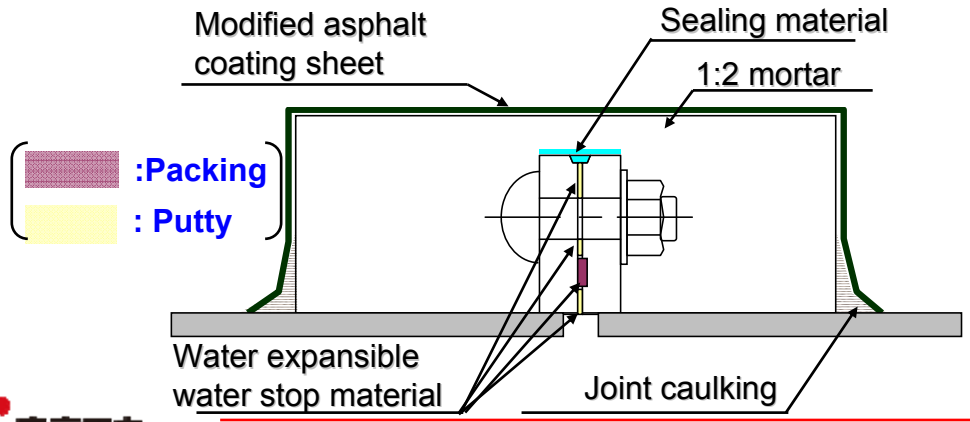
Flange of the bottom plate

Reinforcing member of the bottom plate

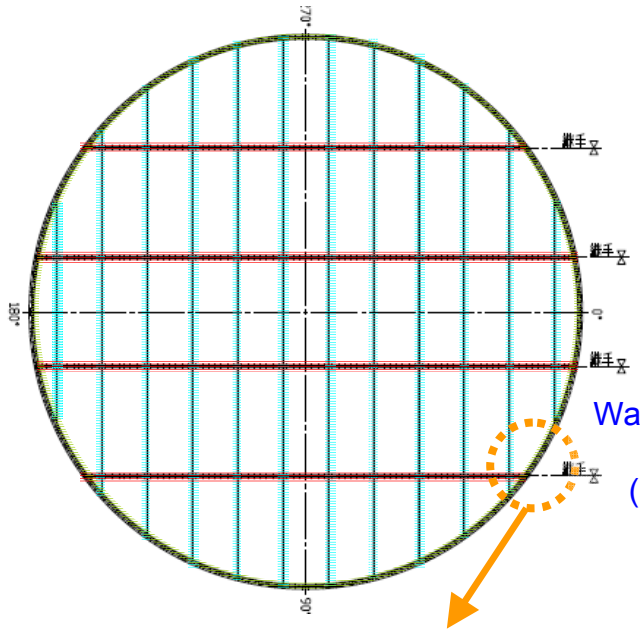
Mortar

Please refer to the next page for the enlarged image

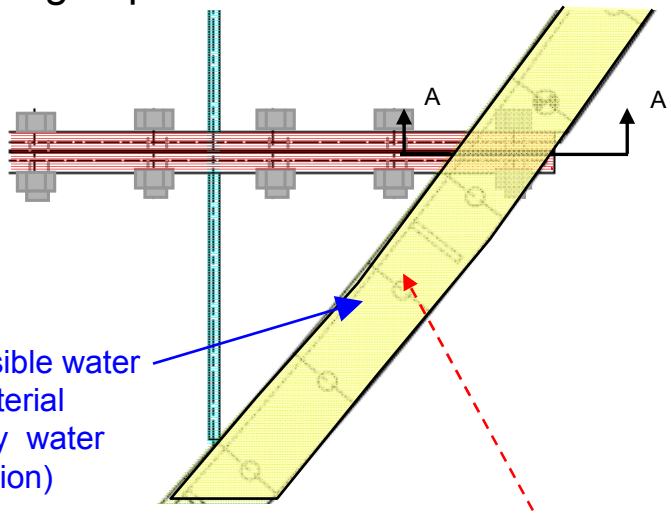
(Water stop structure of the bottom plate: sectional view in A-A)



Water Stop Structure of the Bottom Plate at the H3 Area Tank



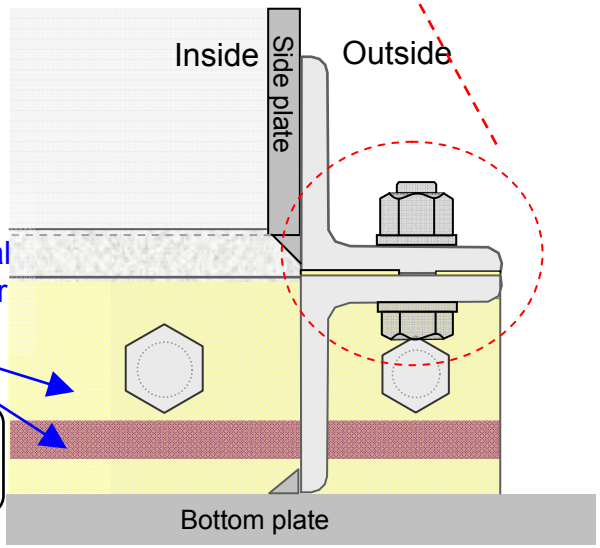
<Enlarged plane view>



Water expansible water stop material (swelling by water adsorption)

Photo of the joint part of flange at the bottom of the tank

<Sectional view in A-A>

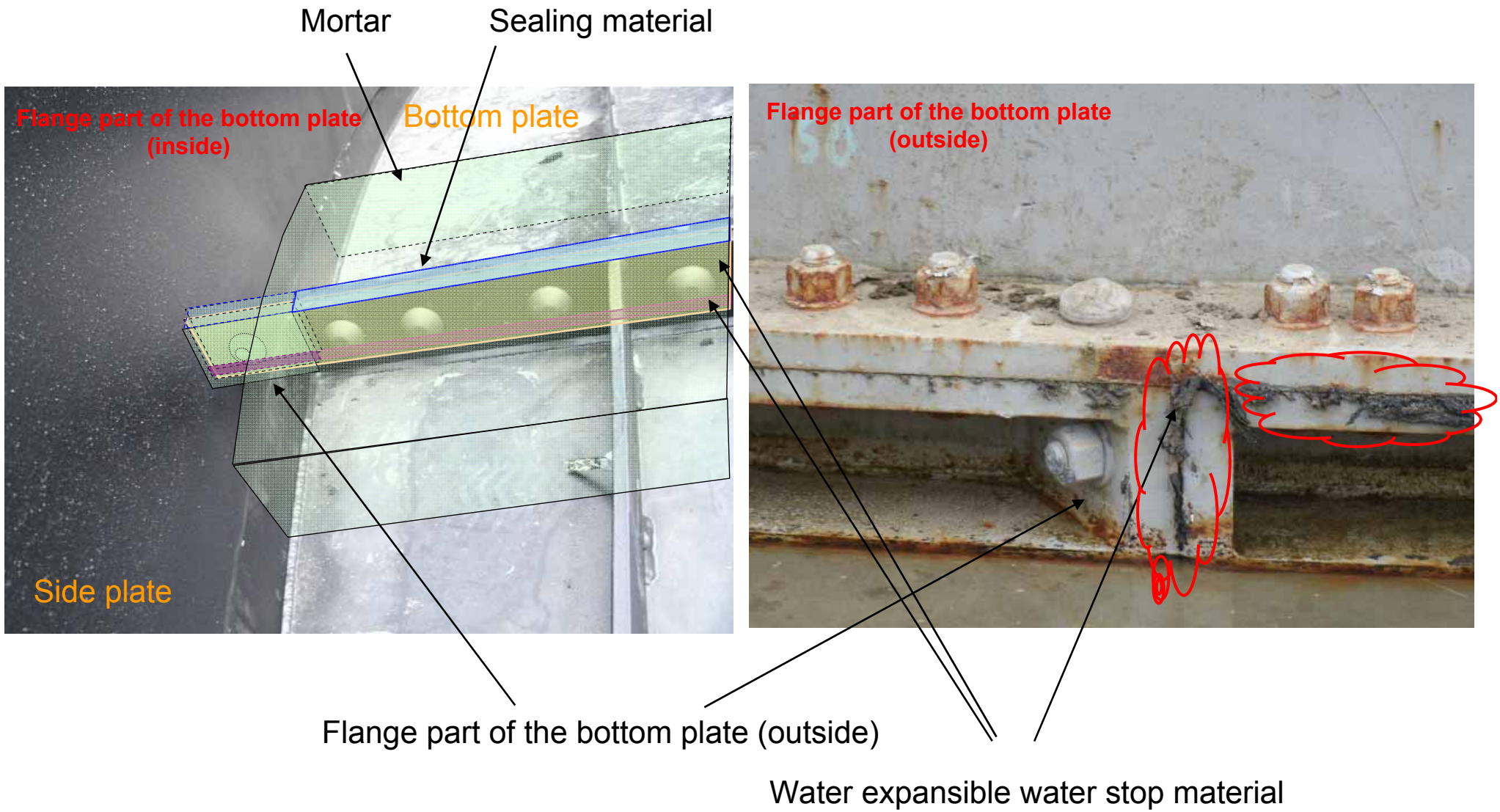


Water expansible water stop material (swelling by water adsorption)

:Packing

: Putty

Photos


Mortar
Sealing material
Flange part of the bottom plate (inside)
Bottom plate
Side plate
Flange part of the bottom plate (outside)
Flange part of the bottom plate (outside)
Water expansible water stop material