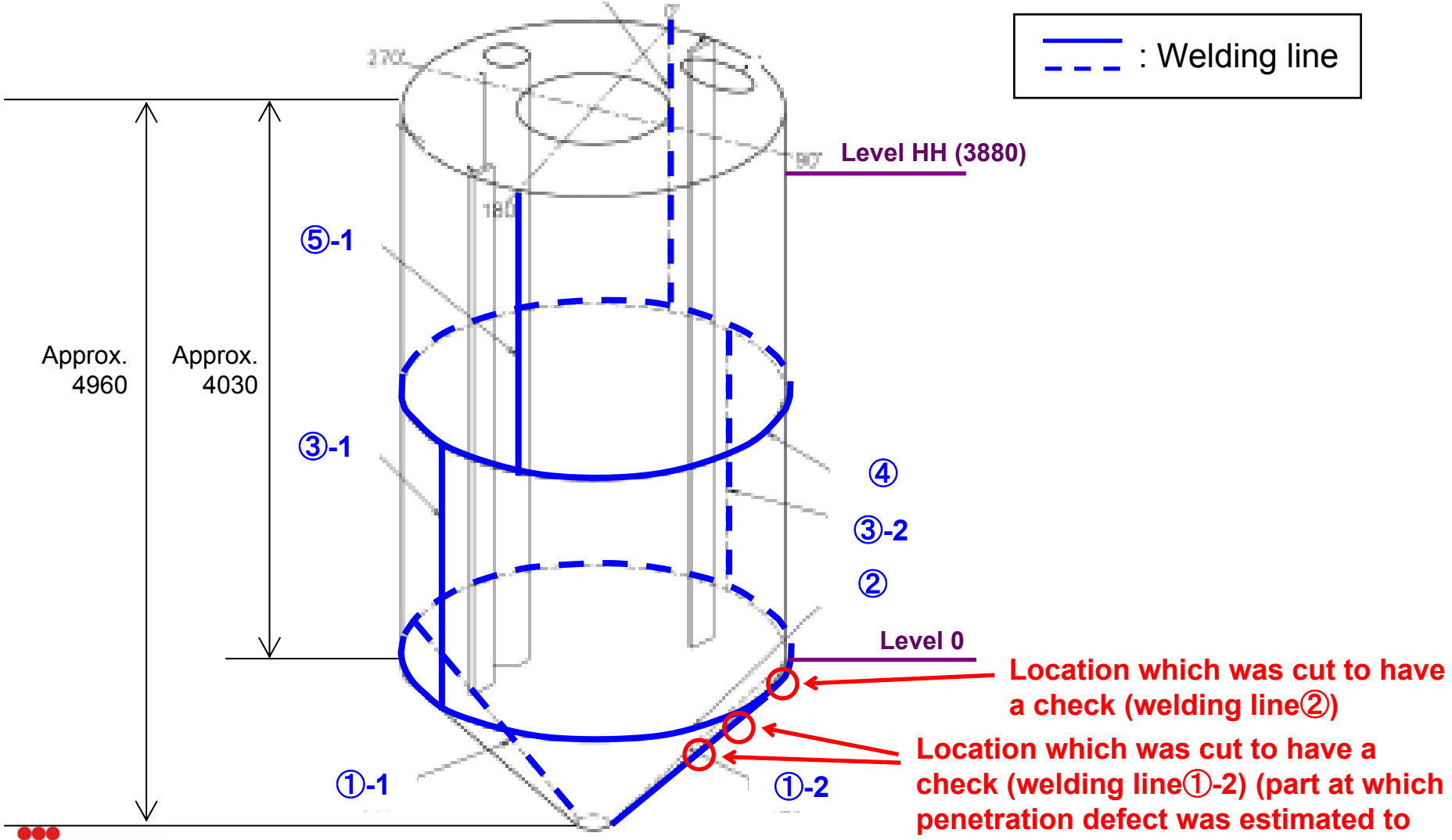
Inspection Results of the Batch Treatment Tank 2A of Multi-nuclide Removal Equipment (ALPS) in Fukushima Daiichi Nuclear Power Station

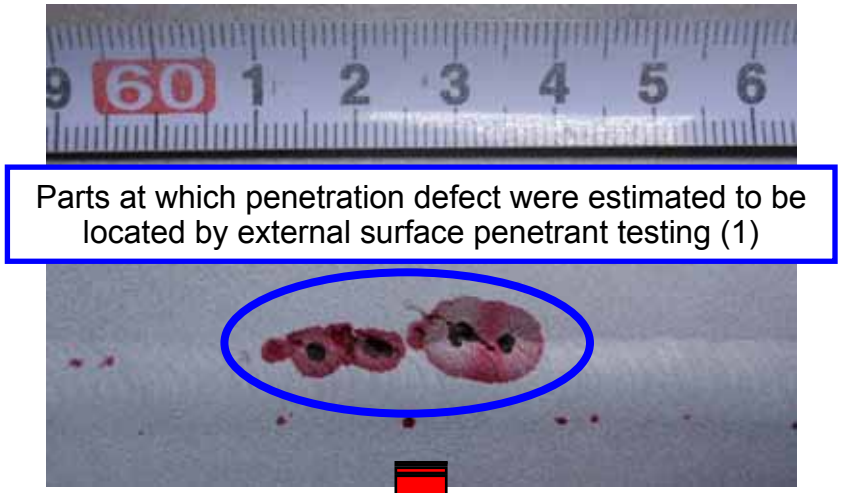
<Reference>
July 2, 2013
Tokyo Electric Power Company

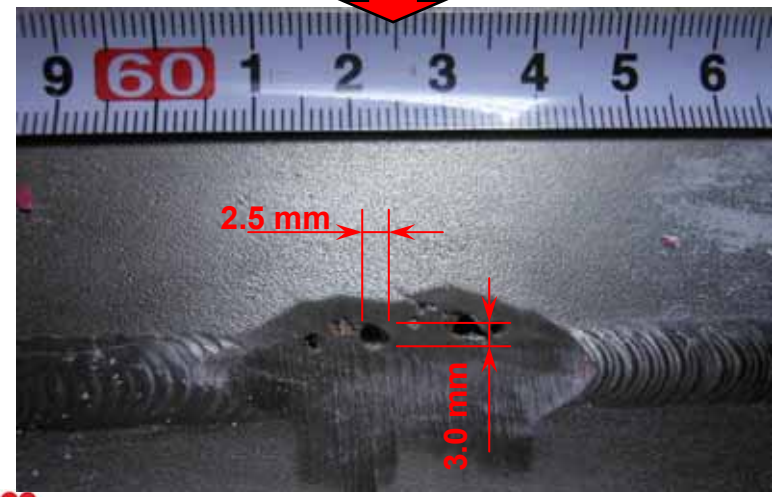
■The bottom part of the batch treatment tank 2A, where penetrant testing (PT) was performed before, was cut in order to have a check.

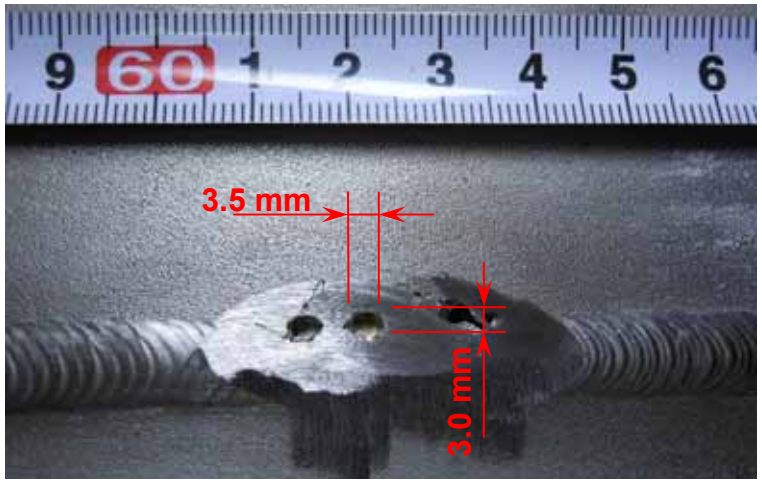


Inspection Results of the Batch Treatment Tank 2A of Multi-nuclide Removal Equipment (ALPS)

■Parts at which penetration defects were estimated to be located by external surface penetrant testing at the batch treatment tank 2A was cut in order to have a check (1) (vertical welding line ①-2 at the conical part, approx. 70 cm from the lower edge).







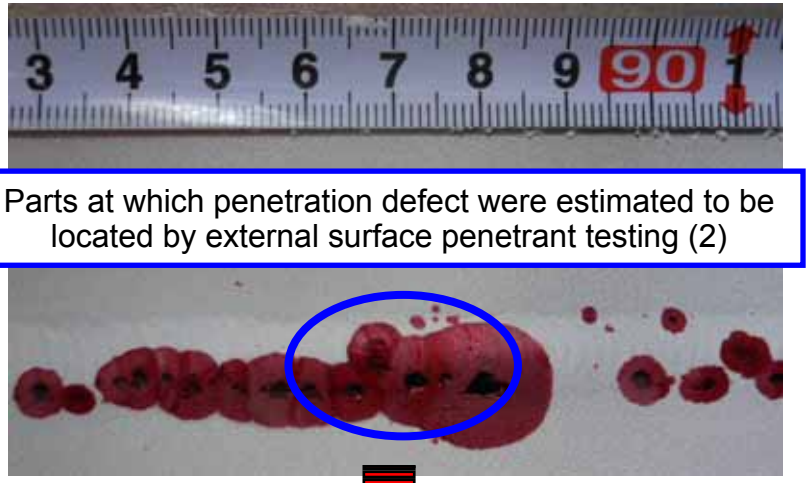
↑ Cut length: 2.60mm

←Cut length: 2.40mm

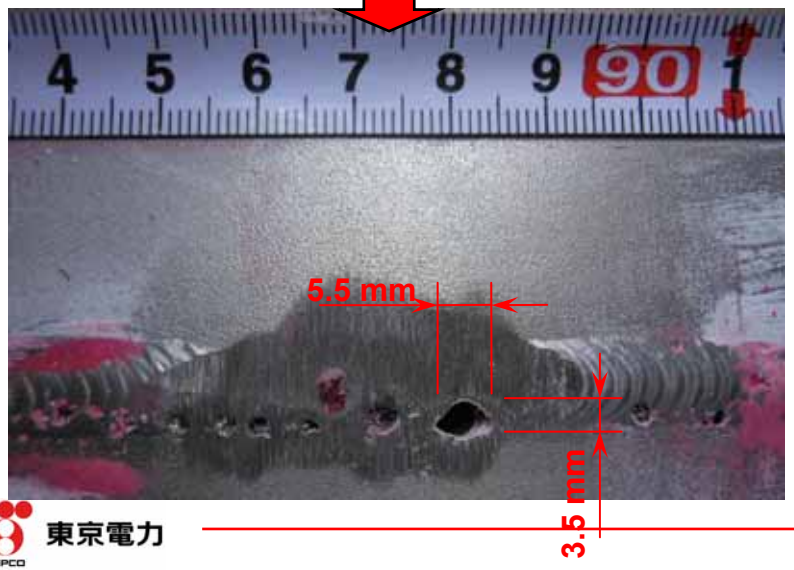
Some defects were found vanishing, by a gradual cutting. However, bag-like defect was also found, which was gradually widening.

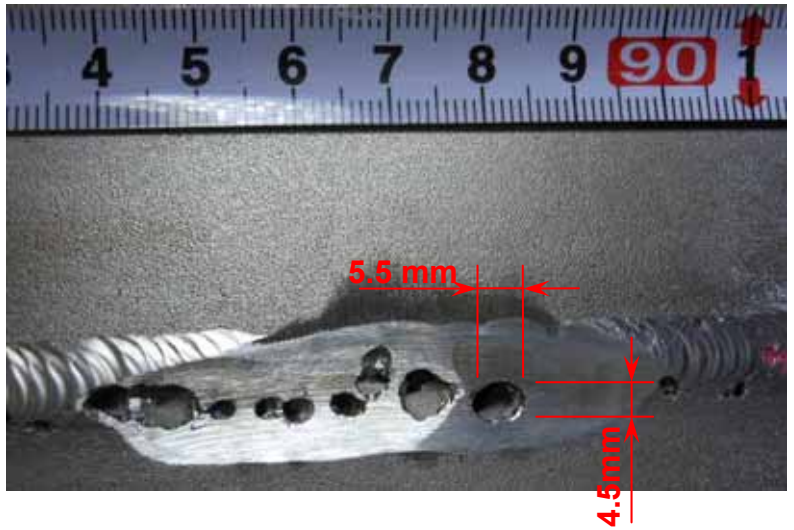
Inspection Results of the Batch Treatment Tank 2A of Multi-nuclide Removal Equipment (ALPS)

■Parts at which penetration defects were estimated to be located by external surface penetrant testing at the batch treatment tank 2A was cut in order to have a check (2) (vertical welding line ①-2 at the conical part, approx. 100 cm from the lower edge).



Parts at which penetration defect were estimated to be located by external surface penetrant testing (2)





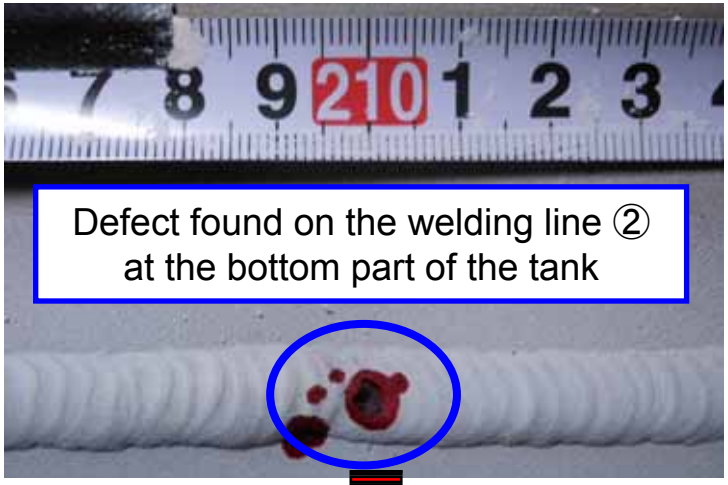
↑ Cut length: 2.40mm

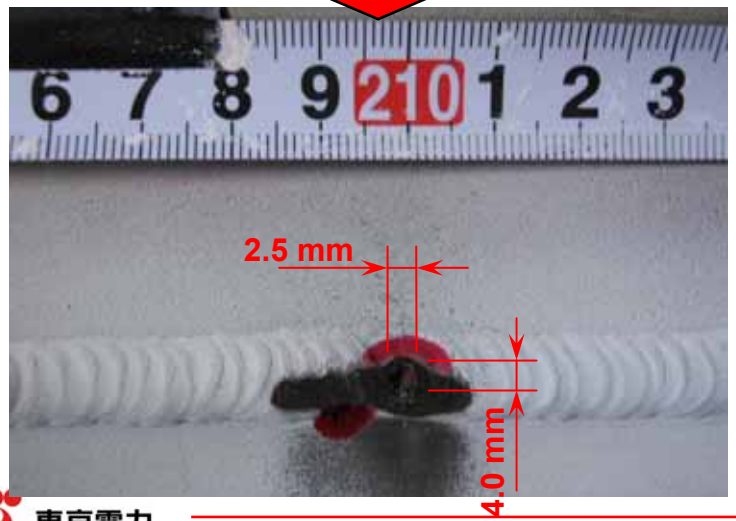
←Cut length: 1.70mm

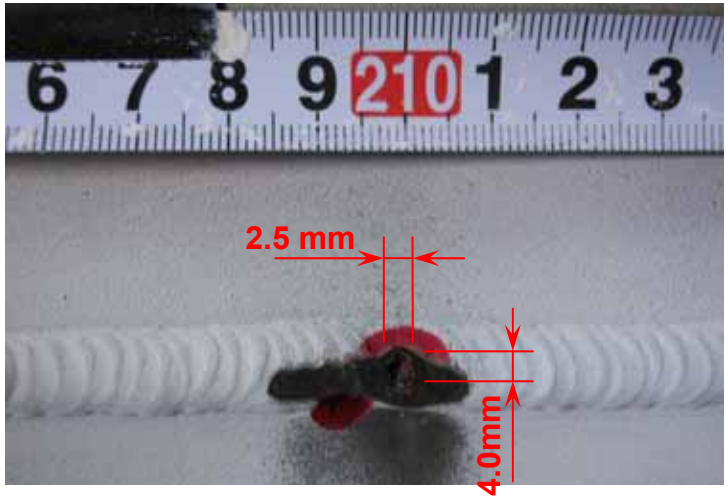
Some defects were found vanishing, by a gradual cutting. However, bag-like defect was also found, which was gradually widening.

Inspection Results of the Batch Treatment Tank 2A of Multi-nuclide Removal Equipment (ALPS)

■Major parts at which penetration defects were estimated to be located by internal surface penetrant testing at the batch treatment tank 2A was cut in order to have a check (2) (welding line ② around the conical part).







↑ Cut length: 2.80mm

←Cut length: 0.13mm

Bag-like defect was found, which was gradually widening, by a gradual cutting.