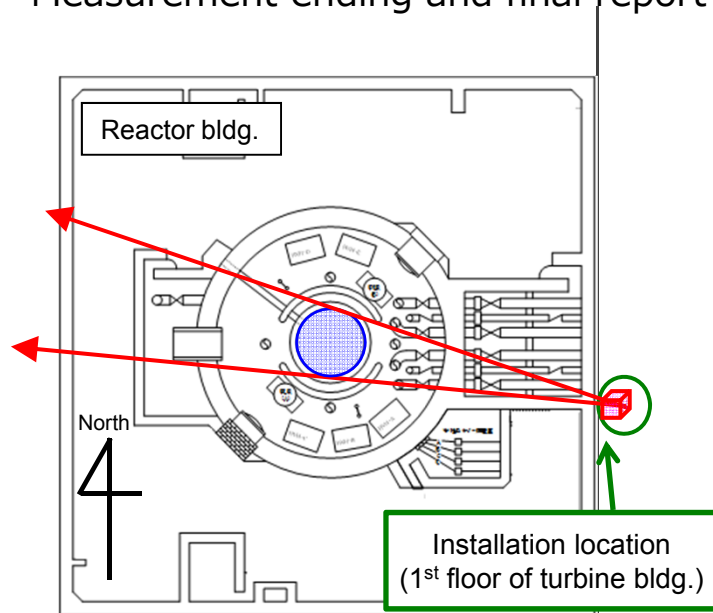
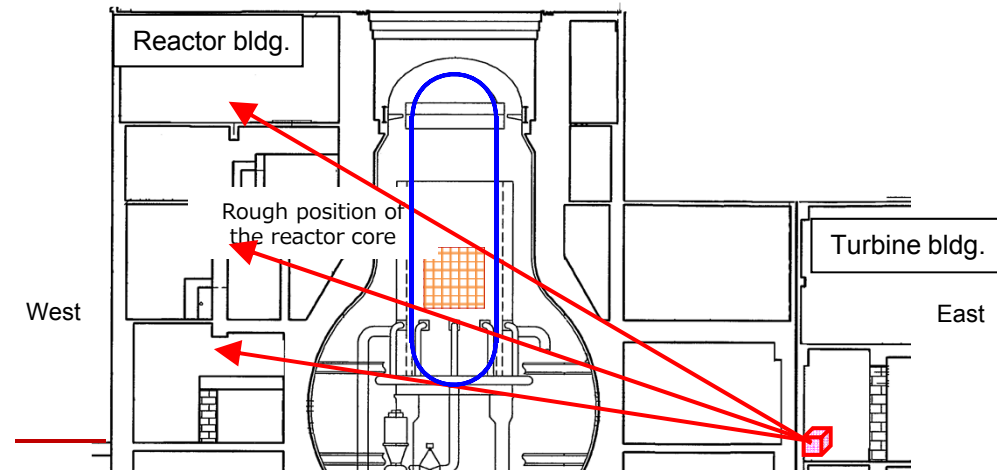


- Measurement using the muon transmission method that detect fuel debris inside the reactor through measurement of muon particles passing through it has been carried out at Fukushima Daiichi Unit 1 and 2 before.
- Measurement device will be installed at Unit 3 in late April. A few months muon measurement will start in May.
- Measurement ending and final report will be scheduled according to status of measurement.



Unit 3 horizontal cross section



Unit 3 vertical cross section

Whole of reactor pressure vessel can be covered in measurement range.

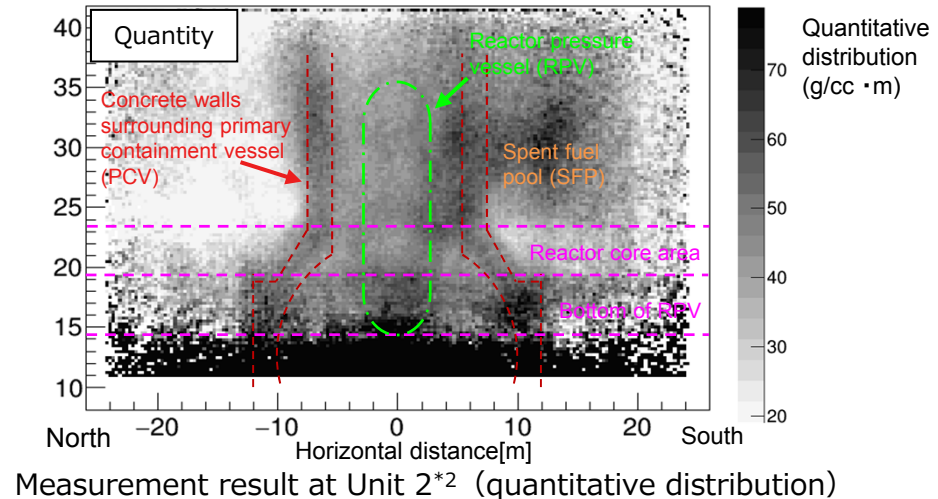
The contents in this document is what TEPCO carries out as a part of the project developed by the International Research Institute for Nuclear Decommissioning (IRID).

(Reference) Muon Measurement at Unit 2

- Muon measurement was carried out at Unit 2 from March to July, 2016.

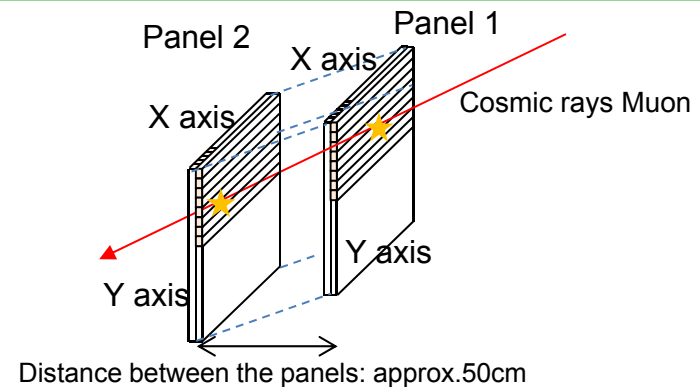


Small-sized muon measurement device*1 in Unit 2 (approx. 1m×1m×1.3m(height))



Measurement principle of the muon transmission method (image)

Two panels (plastic scintillators) inside the muon measurement device detects incoming cosmic rays muon and calculate their trace on where they have passed through from the coordinates on the panels.



*1 It was developed by “Development of Technology for the Detection of Fuel Debris inside Reactors”, one of the Project of Decommissioning and Contaminated Water Management in the FY2013 Supplementary budget.

*2 “Locating Fuel Debris inside the Unit 2 Reactor Using a Muon Measurement Technology at Fukushima Daiichi Nuclear Power Station” (July 28, 2016)