

< Reference >

July 3, 2012

Tokyo Electric Power Company

Fukushima Daiichi Nuclear Power Station Unit 1 Reactor Building First Floor TIP Room and South Area Inspection (July 4, 2012): Scheduled Access Route for the Robot



東京電力

TEPCO

Scheduled Access Route for the Robot (TIP Room)

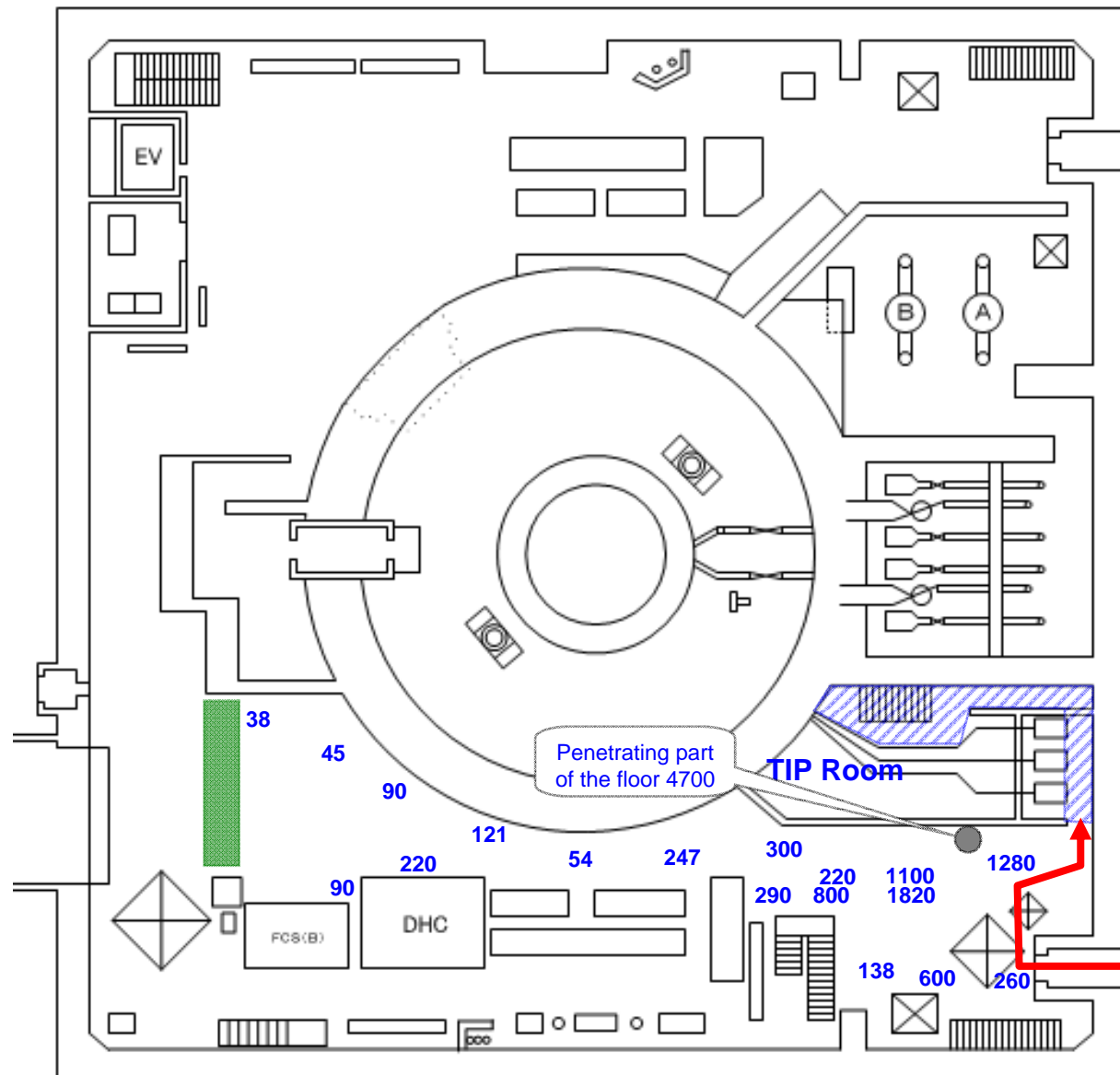
[Legend]

Atmosphere dose rate [mSv/h]
measured up until October 2011

 : Robot access route

 : Robot inspection area

 : Temporary shield wall



Scheduled Access Route for the Robot (1st Floor South Area)

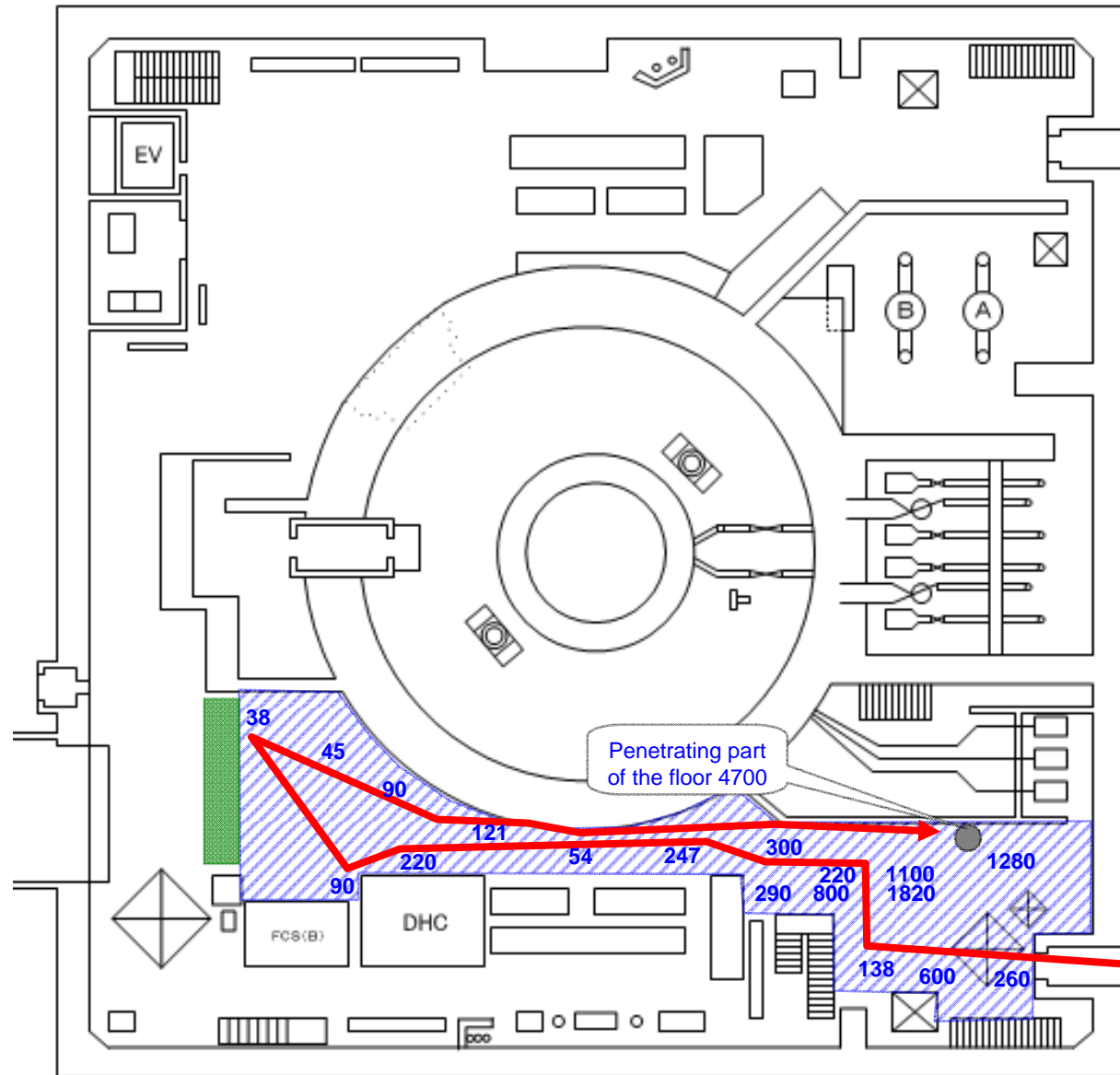
[Legend]

Atmosphere dose rate [mSv/h]
measured up until October 2011

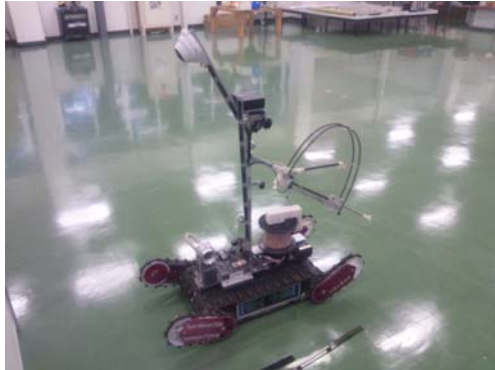
— : Robot access route

▨ : Robot inspection area

■ : Temporary shield wall



Operations Done by Each Robot



Quince 2

Quince 2

- Visual inspection of TIP Room (Acquire images and videos)
- Measure the dose rate, temperature, humidity and dust density in TIP Room
- Support opening the key to TIP Room (Provide images taken from different angles)
- Support opening the door of TIP Room (Provide images taken from different angles)



Packbot

Packbot (1st)

- Open the key to TIP Room
- Open the door of TIP Room (and keep it open)
- Support the dose rate measurement in the South area (Confirm the position of the 2nd Packbot)

Packbot (2nd)

- Visual inspection of the South area (Acquire images)
- Measure the dose rate in the South area (at 15cm and 150cm above the floor)