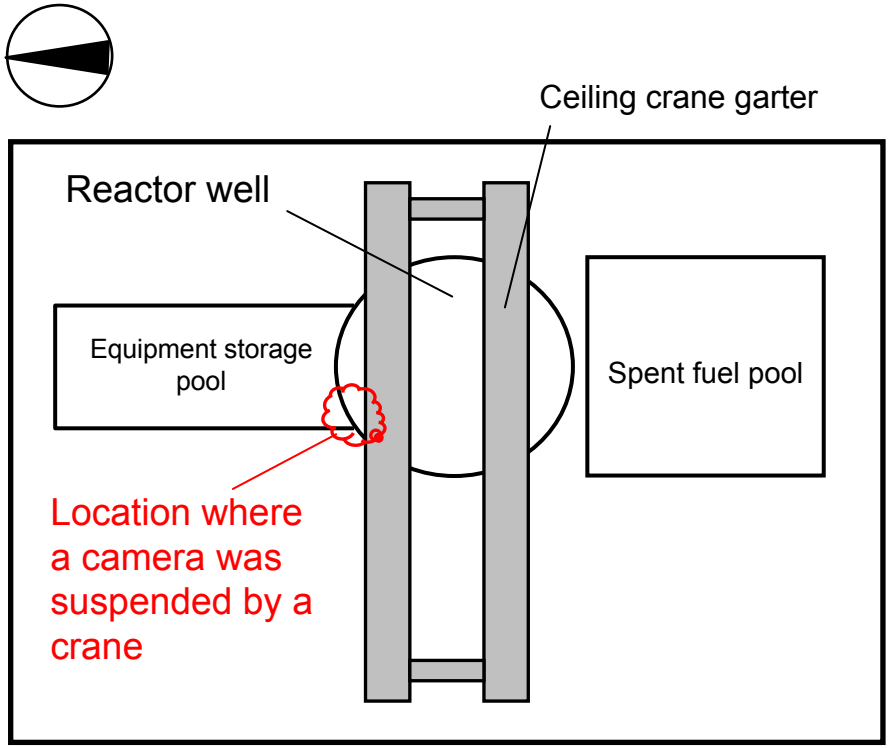
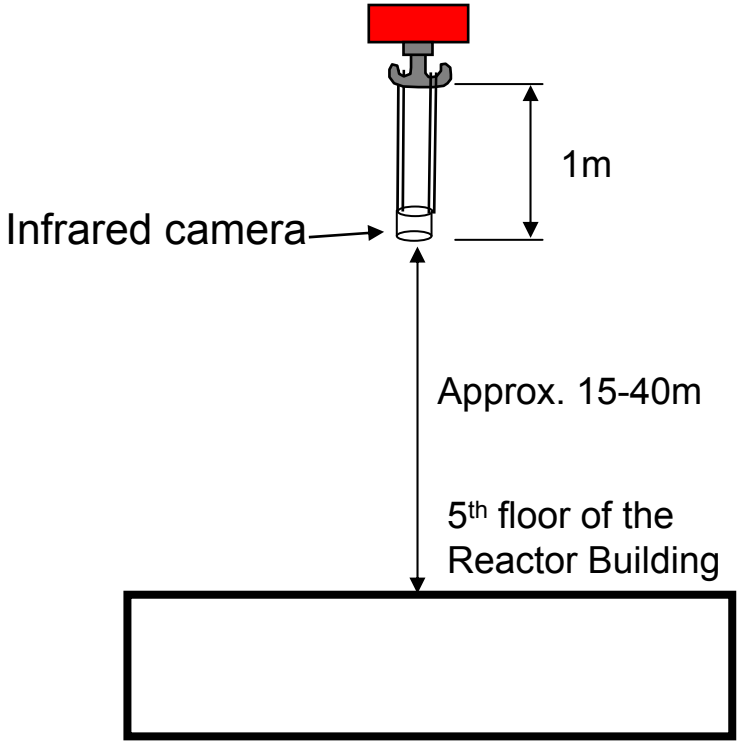
Infrared-thermography Measurement at the Upper Part of Unit 3 Reactor Building in Fukushima Daiichi Nuclear Power Station

<Reference>
July 22, 2013
Tokyo Electric Power Company



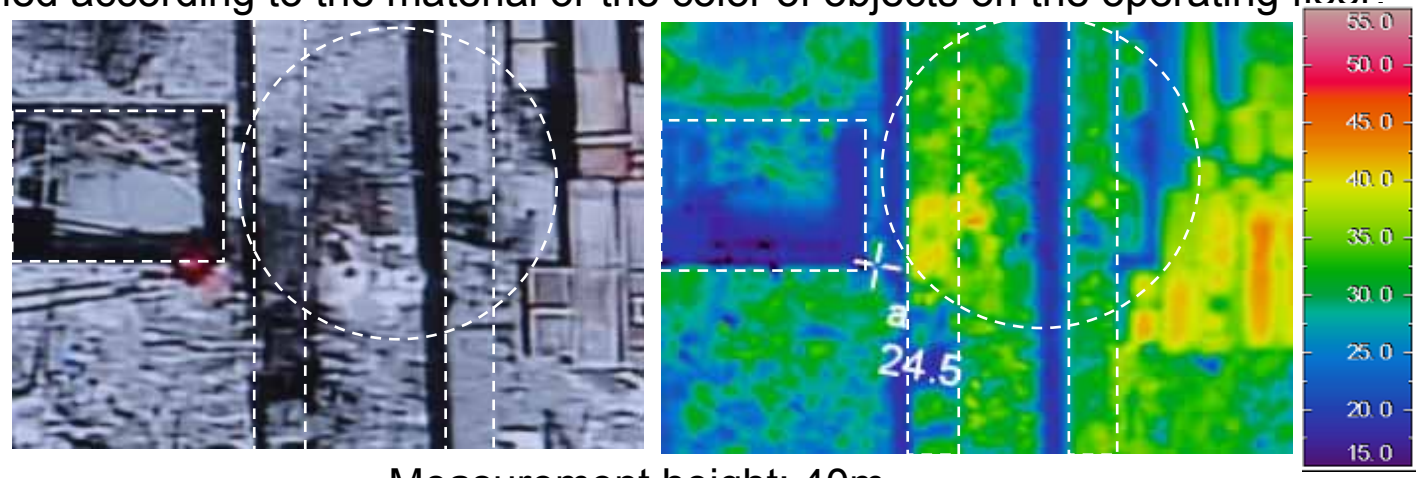
View of 5th floor of the Reactor Building from above



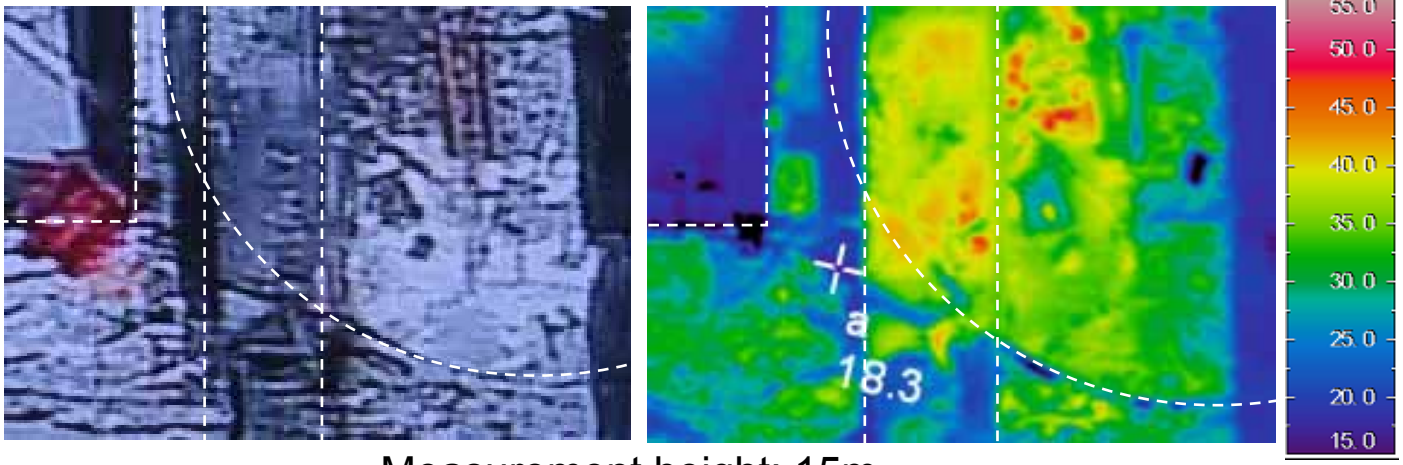
- Measurement date: 12:39 PM - 2:40 PM on July 20, 2013
- Weather condition as of 2:00PM: Air temperature 21.4℃, humidity 76%, wind speed 4.9m, wind direction north-northeast
- Measurement height: 15 - 40m above the operating floor of the Reactor Building
- Measurement method:
  An infrared camera, which was in continuous automatic shooting mode, was suspended by a crane at the upper part of the Reactor Building, and it photographed at varying height.
  Data was checked after the infrared camera was collected.

Result of the Infrared-thermopraghy Measurement

- Temperature of the location where the steam-like gas was found was much the same as the air temperature, since it locates in a shadow of the ceiling crane. It is estimated that there is no heat source near this location.
- The cause of temperature unevenness is estimated that absorbance and reflectance of the sunlight is varied according to the material or the color of objects on the operating floor.



Measurement height: 40m



Measurement height: 15m

Photo taken by TEPCO on July 20, 2013

* Cross shape indicates the location where the steam-like gas was found.