

Trial sampling of radioactive substances in the ambient air at the openings of Reactor Buildings, Units 1 and 4, Fukushima Daiichi Nuclear Power Station

May 22nd, 2011

Tokyo Electric Power Company

Objective

In order to confirm the status of release of radioactive substances to surrounding environment, as a first step, to sample, analyze and evaluate the ambient air at the openings of Reactor Buildings, Units 1 and 4.

Work plan

As for Unit 1, from 0:30 pm to 1:50 pm, on May 22nd, conducted the sampling.

As for Unit 4, we are planning to conduct the sampling around two hours from 1:30 pm, on May 23rd. (subject to weather conditions)

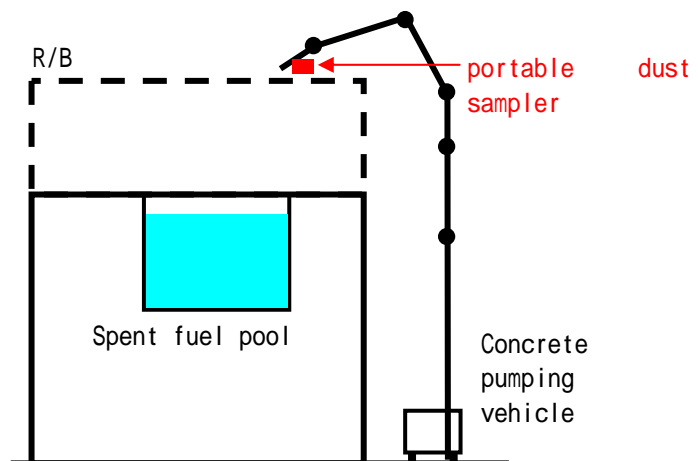
We will confirm the sampling result and will consider the future plan for monitoring of radioactive substances.

Sampling method

We attached a portable dust sampler to the water discharge nozzle of the concrete pumping vehicle we are using to spray water to the spent fuel pool of Units 1 and 4 in order to sample the radioactive substances in the ambient air.



Unit 1 (north west corner)



Unit 4 (south west corner)

Places for sampling

- Unit 1 : 5 ~ 10m above the openings at the north west corner of R/B
- Unit 4 : 5 ~ 10m above the openings at the south west corner of R/B

Sampling time

- approx 20 minutes

Measurement items

- density of particle radioactive substances and vapor radioactive substances

【attachment】



A portable dust sampler