

Exit of a Contaminated Vehicle at Fukushima Daiichi Nuclear Power Station

<Reference>

July 1, 2013

Tokyo Electric Power Company

1. Overview of the incident

On June 29, an incident occurred where one in-station service vehicle (a concrete mixer truck) at Fukushima Daiichi Nuclear Power Station went out of the station premises (outside from the main gate) with contamination attached to the upper part of the rear bumper, and without having been decontaminated.

2. Time series

- June 29 12:48 PM The vehicle entered the power station in order to perform some work at the site (first time).
- 12:53 PM The work was started.
- 1:08 PM The work* for the first time was completed.
- Around 1:20 PM Contamination attached to the upper part of the rear bumper was found as a result of vehicle contamination inspection.
- 1:26 PM The vehicle exited from Fukushima Daiichi NPS (first time).
- 1:55 PM The vehicle arrived at ready-mixed concrete factory in Naraha-machi.
- 2:04 PM The vehicle departed for the ready-mixed concrete factory with concrete loaded.
- 2:34 PM The vehicle reentered the station premises in order to perform some work* at the site (second time).
- 3:05 PM A worker of vehicle contamination inspection area found the vehicle exited from the premises without having been decontaminated.
- 3:07 PM The vehicle contamination inspection was performed (second time).
- 3:15 PM The vehicle exited from Fukushima Daiichi NPS (second time) with having been decontaminated.

*Concrete placing work of the foundation building pressure-resistant board at the Miscellaneous Solid Waste Volume Reduction Treatment Building, etc.

3. Evaluation of the impact

- Concrete having a contaminated substance attached was firmly adhered to the rear bumper of the vehicle.
- It is so solid that it cannot be scraped off without using a wire brush.
- Contaminated substance is considered to have been unlikely to fall off when the vehicle was travelling.
- Atmosphere radiation dose along the travelling route of the vehicle was measured.
- The result was equal to or smaller than those in the “Distribution Map of Radiation Dose, etc.,” provided by the Ministry of Education, Culture, Sports, Science and Technology.

From the above reasons, it was verified that there were no influences of the travelling of the vehicle on a general road.

4. Future countermeasures

Tentative measures

- Poster for attracting attention will be posted on the windshield of a vehicle, which was judged that the decontamination is necessary, so that driver, guide or the other drivers can identify the vehicle.
- **We will see if there was any similar case of this incident or not, and will take measures against the cause which will be investigated.**