

Suspension of Unit 3 Spent Fuel Pool Alternative Cooling System at Fukushima Daiichi Nuclear Power Station

<Reference>
April 5, 2013
Tokyo Electric Power Company

<Outline of the Incident (April 5, 2013)>

At around 2:27 PM on April 5, an alarm indicating a power board failure related to power supply went off and Unit 3 spent fuel pool alternative cooling system was confirmed to be suspended.

The water temperature of Unit 3 spent fuel pool as of 2:00 PM today (April 5) was 15.1 °C.

- * The pool water temperature increase rate as of April 5 was estimated to be approx. 0.145 °C/h (reference).
- * No significant change in the monitoring post data has been found.
- * The amount of time to reach the maximum allowed limit stipulated by the technical specification (65 °C) is estimated to be approx. 2 weeks.

<Investigation/Restoration Status>

As a result of investigating the condition of the alternative cooling system at the site, no abnormality such as leakage was found.

3:50 PM - 4:00 PM: No problem was found as a result of insulation resistance test performed on the power supply facilities affected by the incident.

4:16 PM: The operation towards restart of the cooling system was started.

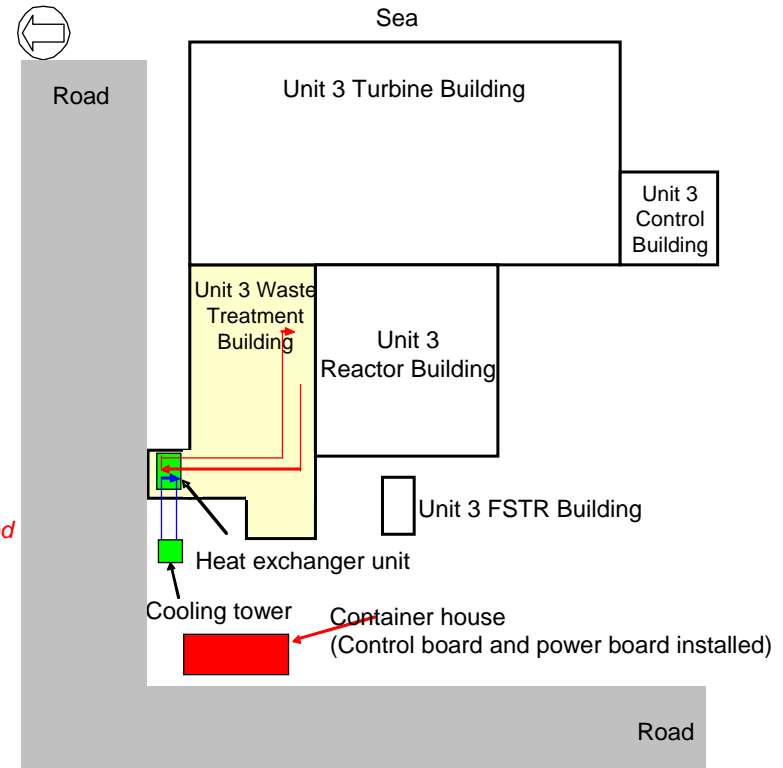
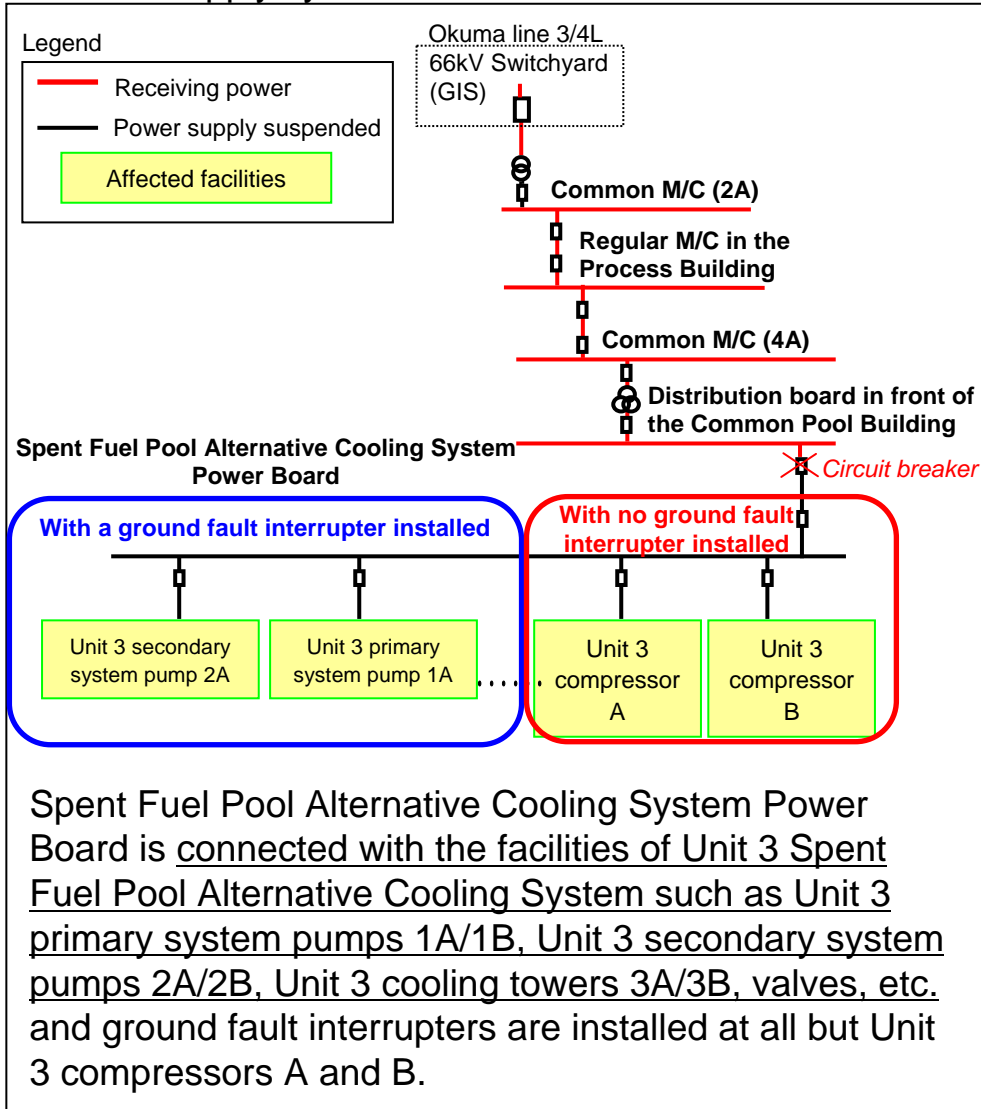
4:55 PM: The secondary system of Unit 3 Spent Fuel Pool Alternative Cooling System was started.

5:20 PM: As the primary system of Unit 3 Spent Fuel Pool Alternative Cooling System was started, the entire cooling system was restarted.

<The Cause of the Incident>

- The cause of the incident is assumed to be a ground fault which may have occurred during the implementation of countermeasure against small animals (installation of entry prevention net) on the power board of concern.
- The incident will be investigated in details.

Power supply system structure of the affected facilities



Implementation of countermeasure against small animals (installation of entry prevention net)