

# Oil Leakage from Unmanned Heavy Equipment Used for Debris Removal in Unit 3 Reactor Building at Fukushima Daiichi Nuclear Power Station

<Reference>

May 20, 2013

Tokyo Electric Power Company

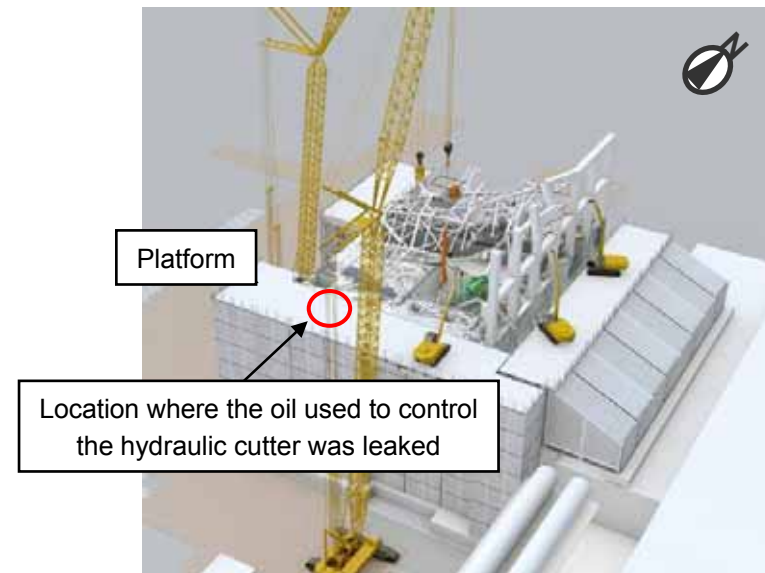
## <Generation Status>

- At around 2:08 PM on May 18, 2013, a TEPCO employee at a remote operation room found the leakage of oil which was used for the control of hydraulic cutter attached to the tip of unmanned heavy equipment for debris removal in the upper part of Unit 3 Reactor Building. Later at around 2:33 PM, we reported this incident to the fire station.
- The leakage has stopped since the use of unmanned heavy equipment has been suspended.
- As a result of monitor check at the remote operation room, leaked oil was found to be spread approx. 4m x approx. 5m on the south side of the platform which was used for debris removal in Unit 3 Reactor Building, and the leakage amount is estimated to be around 20 liters.
- Leaked oil does not affect the spent fuel pool since the location where the oil was spread is sufficiently far from the spent fuel pool.



Photo taken on May 18, 2013

Photo taken by Tokyo Electric Power Company



Simulated image of the debris removal from the upper part of Unit 3 Reactor Building

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## <Incident Handling>

■ Following two works was performed today (May 20, 2013)

- Inspection of the unmanned heavy equipment which was suspended by the 600 ton crane using the heavy equipment hoist pallet was conducted.

As a result, we have found the leakage was caused by coming off of a control hydraulic hose at the front end of a hydraulic cutter.

We have attached the control hydraulic hose to the hydraulic cutter.

No other abnormality was found.

- A cooperative company worker removed the leaked oil by oil absorption mat and wiping rags.

■ Currently, countermeasures against the oil leakage is being considered based on the cause of the incident.

■ Debris removal from the upper part of Unit 3 Reactor Building by the unmanned heavy equipment will be restarted after the countermeasures against the leakage are developed and the operation check of the equipment is completed.

End