

# Earthquake Report - JAIF

We have been reporting a status of Fukushima Daiichi nuclear power station by summarizing news aired by NHK, which is Japanese national broadcasting company. We regard it as most credible news among many news sources and we are happy to say that NHK's English website has gotten enriched and now you can see movies and English scripts at <http://www3.nhk.or.jp/daily/english/society.html>. Given this situation, we decide to simply place these scripts as it is for the record in case that it will be deleted from the website later, rather than summarizing news as we did.

**No. 62: 18:00, April 24**

**NHK news regarding status of Fukushima Daiichi nuclear power station yesterday and today.**

## ●TEPCO map shows contaminated areas

Tokyo Electric Power Company has created a map of radiation levels as part of its removal of radioactive debris at the crippled Fukushima Daiichi nuclear power plant.

TEPCO says highly radioactive debris is lying in some areas of the compound. Radioactivity of 900 millisieverts per hour was detected on a concrete fragment near the Number 3 reactor on Wednesday.

TEPCO's map indicates the number of millisieverts per hour at each location. Debris removal will proceed more cautiously at highly contaminated areas. The utility has also been using remote-controlled machines since April 6th to remove rubble.

The company says it will try to complete the clean-up work by July, but hasn't decided on places and methods of disposing of removed debris yet.

Sunday, April 24, 2011 10:57 +0900 (JST)

## ●TEPCO to install more wastewater storage tanks

The Tokyo Electric Power Company has decided to construct temporary storage tanks for highly radioactive wastewater accumulated at the damaged Fukushima Daiichi nuclear power plant.

The decision is part of the company's efforts to remove nearly 70,000 tons of wastewater pooled in turbine buildings and service tunnels in the compound of the plant. The contaminated water has been hampering work to restore reactor cooling systems.

TEPCO plans to transfer the wastewater to an on-site waste processing facility and temporary storage tanks based on a schedule for getting the nuclear emergency under control.

The company also plans to install water filtration and cooling systems for each reactor. Each system is designed to remove radioactive substances from the wastewater and recycle cold water into the pressure vessel to gradually cool down the nuclear fuel in the reactors.

TEPCO initially planned to install tanks with a capacity of 27,000 tons by the

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end of May. However, the company is now planning to construct 31,400 tons of storage capacity by early June.

In addition, the company plans to add tanks with a total capacity of 20,000 tons every month from June to December in case the water filtration and cooling systems cannot start operating on schedule in June.

TEPCO says the radioactive water will be sorted into 3 levels of contamination -- low, medium and high --- and will be stored accordingly.

TEPCO regards the high level wastewater as containing radioactive substances ranging from 100 to one million Becquerels per cubic centimeter.

To store the highly radioactive water safely, the company plans to construct special underground tanks coated with material resistant to radiation and corrosion, which have a total capacity of 10,000 tons.

Sunday, April 24, 2011 08:02 +0900 (JST)

## ●TEPCO: Radiation in groundwater little changed

Tokyo Electric Power Company says there has been little change in the radiation levels of groundwater around its Fukushima Daiichi nuclear plant as it continues to move highly radioactive water within the compound.

TEPCO on Tuesday began transferring 25,000 tons of the toxic water to an on-site waste processing facility. The water had accumulated in the basement of the Number 2 reactor's turbine building and in a tunnel connected to the reactor.

The utility says it had moved about 930 tons of the contaminated water by 7 AM on Saturday and the work has progressed well since then.

TEPCO also released figures for levels of radioactive substances in groundwater samples collected around the compound.

It says there has been little change in levels of iodine-131 and cesium-134 since the transfer began, suggesting that the contaminated water has not leaked from the nuclear plant.

At the Number 4 reactor, TEPCO injected 200 tons of water on Friday and 140 tons of water on Saturday into the reactor's storage pool for spent fuel rods as the water temperature remained above 90 degrees Celsius, much higher than normal. But there are fears that the weight of the water might be further damaging the No. 4 reactor building.

The company says it will be more cautious about the volume of cooling water it injects. It promised to monitor the level and temperature of the water in the pool.

Sunday, April 24, 2011 00:23 +0900 (JST)

## ●TEPCO: Highly radioactive concrete fragment found

The operator of the damaged Fukushima Daiichi nuclear power plant says that concrete debris emitting a high level of radiation has been found near the Number 3 reactor.

Tokyo Electric Power Company, or TEPCO, says its workers detected radioactivity of 900 millisieverts per hour being emitted from a 30-by-30

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centimeter concrete fragment, 5 centimeters thick, on Wednesday.

The workers were using heavy equipment to remove rubble near the electrical switchyard.

TEPCO says the workers were exposed to 3.17 millisieverts of radiation during the clean-up and the concrete block has been stored safely in a container with other debris.

The utility believes the contaminated fragment could be part of debris scattered across the compound as a result of a hydrogen explosion at the Number 3 reactor.

Sunday, April 24, 2011 00:23 +0900 (JST)

End