

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. 101: 18:00, June 3

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

(Fukushima NPP Site)

- **TEPCO needs to store 100,000 tons of tainted water**
- **TEPCO cools storage pool in No.2 reactor building**
- **TEPCO plans to plug all potential leaks**

(Other news)

- **Nagasaki staffers exposed to Fukushima radiation**

● **TEPCO needs to store 100,000 tons of tainted water**

Tokyo Electric Power Company says more than 100,000 tons of highly radioactive water has been leaked from the damaged reactors of the Fukushima Daiichi nuclear plant.

The operator warns that the water may overflow later this month during the rainy season and says it is struggling to find a place to store the water after filtering.

The basements of the first 4 reactor buildings are full of water that was injected to cool down the damaged reactors.

The situation is hampering efforts to achieve the ultimate goal of stabilizing the reactors.

TEPCO says 16,200 tons of water has been leaked outside Number One, 24,600 tons at Number 2, 28,100 tons at Number 3 and 22,900 tons at Number 4. It says another 13,300 tons of water has already been moved to a storage facility.

It says the 105,100 tons of water contains an estimated 720,000 terabecquerels of radioactive substances. Tera stands for one trillion.

On June 15th, TEPCO plans to start using equipment that can filter 1,200 tons of toxic water a day. In mid-August, it will also install an underground storage tank that can hold 100,000 tons of highly radioactive water.

TEPCO fears that the toxic water could overflow if the filter fails to work. It plans to secure more storage facilities.

Friday, June 03, 2011 14:05 +0900 (JST)

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●TEPCO cools storage pool in No.2 reactor building

The operator of the Fukushima Daiichi nuclear power plant says it has succeeded in lowering the temperature in a storage pool for used nuclear fuel at the No.2 reactor after it started operating a cooling system there.

Tokyo Electric Power Company says the temperature in the pool dropped to 38 degrees Celsius on Thursday from about 70 degrees previously.

TEPCO had anticipated that it would take about one month to lower the temperature to about 40 degrees.

In the No. 2 reactor building, steam released by the storage pool has been pushing up the humidity level to 99.9 percent. Such excessive humidity has prevented recovery efforts so far.

The company installed a circulatory cooling system to lower the pool temperature in order to reduce humidity and began operating the system on Tuesday.

Since the temperature has sharply decreased TEPCO plans to inspect the interior of the building as it suspects humidity has also declined. If the situation has improved, it will install systems to remove radioactive substances.

The company plans to start operating similar cooling systems at the storage pools in the No.1 and 3 reactor buildings in June, and in the No.4 reactor building in July.

Friday, June 03, 2011 05:11 +0900 (JST)

●TEPCO plans to plug all potential leaks

The Tokyo Electric Power Company, or TEPCO, plans to plug all potential leaks of highly radioactive water from the Fukushima Daiichi nuclear power plant in June.

TEPCO submitted its plan to the Nuclear and Industrial Safety Agency after finding in April and May that highly radioactive water was flowing into the sea via seaside concrete maintenance pits. The water apparently came from turbine buildings of the plant's No.2 and 3 reactors.

The utility says it identified 5 concrete tunnels and 39 pits around the plant as possible points from which radioactive water could flow out to the sea.

The firm says it filled all the tunnels and some of the pits with concrete, and that it will finish work at 17 of the pits and repair cracked seawalls in June.

TEPCO is under pressure to also find places to store an increasing amount of contaminated water in the turbine buildings, as the current rainy season is raising fears of overflows. The utility plans to install a water purification system to recycle the water.

Thursday, June 02, 2011 19:31 +0900 (JST)

●Nagasaki staffers exposed to Fukushima radiation

Nagasaki University Hospital says that at least 40 percent of local people sent to Fukushima Prefecture, host to the crippled nuclear plant, suffered internal radiation exposure.

The hospital checked staffers and medical experts sent to Fukushima by Nagasaki's prefectural government. They spent around a week helping local government offices and medical institutions in Fukushima after the nuclear plant

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accident in March.

The hospital says radioactive iodine was detected in the bodies of 34, or about 40 percent, of 87 examinees. Some were also detected for radioactive cesium. Neither substance occurs naturally in human bodies.

Officials at the hospital insist, however, that the level of radioactive contamination is very low and poses no health concerns.

Nagasaki University Professor Naoki Matsuda, who joined the survey, says Fukushima residents should also be checked for levels of internal exposure.

The survey results will be reported at a conference in Hiroshima City on Sunday.

Thursday, June 02, 2011 21:20 +0900 (JST)

End