

# Record radiation levels detected at Fukushima reactor

June 27 2012

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A journalist checks the radiation level with her dosimeter at the Fukushima Dai-ichi nuclear power plant in February 2012. TEPCO, the operator of Japan's crippled Fukushima nuclear plant, says it has detected record amounts of radiation in the basement of reactor number 1, further hampering clean-up operations.

TEPCO, the operator of Japan's crippled Fukushima nuclear plant, said Wednesday record amounts of radiation had been detected in the basement of reactor number 1, further hampering clean-up operations.

TEPCO took samples from the basement after lowering a camera and surveying instruments through a drain hole in the basement ceiling.

[Radiation levels](#) above [radioactive water](#) in the basement reached up to

10,300 millisievert an hour, a dose that will kill humans within a short time after making them sick within minutes.

The annual allowed dose for workers at the stricken site is reached in only 20 seconds.

"Workers cannot enter the site and we must use robots for the demolition," said TEPCO.

The Fukushima operator said that radiation levels were 10 times higher than those recorded at the plant's two other crippled reactors, number two and three.

This was due to the poor state of the [nuclear fuel](#) in the reactor compared to that in the two others.

The meltdown at the core of three of Fukushima's six reactors occurred after the March 11, 2011 earthquake and ensuing massive tsunami shut off the power supply and cooling system.

Demolition of the three reactors as well as the plant's number 4 unit is expected to take 40 years and will need the use of new technologies.

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