Japan Nuke Watchdog May Raise Leak to 'Serious'

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TOKYO (AP) — The Japanese nuclear watchdog on Wednesday said they are taking the leakage of highly radioactive water at the crippled Fukushima nuclear power plant seriously, and proposed raising the rating to describe it from "an anomaly" to a "serious incident."

This Tuesday, Aug. 20, 2013 aerial photo shows the Fukushima Dai-ichi nuclear plant at Okuma in Fukushima prefecture, northern Japan. The Japanese nuclear watchdog proposed Wednesday to define a fresh leakage of highly radioactive leak from one of the hundreds of storage tanks at Japan's crippled atomic power plant this week, its worst leak yet from such a vessel. The operator of the Fukushima Dai-ichi plant said Tuesday said about 300 tons (300,000 liters, 80,000 gallons) of contaminated water have leaked from a steel storage tank at the wrecked Fukushima Dai-ichi plant. TEPCO hasn't figured out how or where the water leaked, but suspects it did so through a seam on the tank or a valve connected to a gutter around the tank. **(AP Photo/Kyodo News)**

The operator of the plant said about 300 tons (300,000 liters, 80,000 gallons) of contaminated water has leaked from one of hundreds of steel tanks around the wrecked Fukushima Dai-ichi plant. Tokyo Electric Power Co. hasn't figured out how or where the water leaked, but suspects it did so through a seam on the tank.

The leak, the fifth since last year involving tanks of the same design, also raised concerns that this could be the beginning a new disaster — contaminated water leaking from storage tanks one after another.

"That's what we fear the most. We must remain alert. We should assume that what has happened once could happen again, and prepare for more," watchdog chairman Shunichi Tanaka told a news conference. "We are at a situation where there is no time to waste."

The watchdog proposed at a weekly meeting Wednesday to raise the rating of the leak to level 3 from an earlier level 1 on an International Nuclear and Radiological event scale of eight. The watchdog, however, plans to consult with the U.N. nuclear

regulatory agency over whether it is appropriate to use the INES evaluation scale on the already wrecked Fukushima plant.

The watchdog urged TEPCO to step up monitoring for leaks and take precautionary measures.

During the meeting, officials also revealed that plant workers apparently have overlooked several signs of leaks, suggesting that their twice-daily patrols were largely just a walk. They have not monitored water levels inside tanks, obviously missed a puddle forming at the bottom of the tank earlier, and kept open a valve on the anti-leakage barrier around the tanks.

TEPCO spokesman Masayuki Ono said the leaked water seeped into the ground after largely escaping piles of sandbags added to a concrete barrier around the tank. He said that because the tank is about 500 meters (1,650 feet) from the coastline, the leak does not pose an immediate threat to the sea.

But watchdog officials have cautioned that water could reach the sea via a drain gutter, urging the plant to step up water sampling.

Four other tanks of the same design have had similar leaks since last year. The incidents have shaken confidence in the reliability of hundreds of tanks that are crucial for storing water that has been funneled into the broken reactors to keep melted radioactive fuel cool.

The plant suffered multiple meltdowns following a massive earthquake and tsunami in March 2011 — a level 7 "major accident," the highest on the INES rating and the worst since Chernobyl in 1986.

About 350 of some 1,000 steel tanks built across the plant complex containing nearly 300,000 tons (300 million liters, 80 million gallons) of partially treated contaminated water are less-durable ones with rubber seams.

TEPCO says the tanks that have leaked use rubber seams that were intended to last about five years. Ono said TEPCO plans to build additional tanks with welded seams that are more watertight, but will still have to rely on ones with rubber seams.

Figuring out what to do with the radioactive water is among the most pressing issues affecting the cleanup process, which is expected to take decades.

"The growing contaminated water has been one of our biggest concerns since the March 11 accident," said Zengo Aizawa, TEPCO's executive vice president. "The contaminated water remains a problem that could lead to a crisis."

The leaked water's radiation level, measured about 50 centimeters (2 feet) above the puddle, was about 100 millisieverts per hour — the maximum cumulative exposure allowed for plant workers over five years, Ono said.

Contaminated water that TEPCO has been unable to contain continues to enter the

Pacific Ocean at a rate of hundreds of tons per day. Much of that is ground water that has mixed with untreated radioactive water at the plant.

Workers were pumping out the radioactive puddle on the plant and the remaining water in the tank and will transfer it to other containers. By Tuesday afternoon they had captured only about 4 tons (4,000 liters, 1,000 gallons), Ono said.

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