

# Officials: wall of Hungary sludge lake will fall

October 10 2010, By PABLO GORONDI , Associated Press Writer

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Hungarian soldiers wearing protective gear are washed by water jets in Devecser, 164 kms southwest of Budapest, Hungary, Saturday Oct. 9, 2010. Five days ago more than 750,000 cubic meters of toxic sludge spilled out of a nearby reservoir flooding seven villages. (AP Photos/MTI, Lajos Nagy)

(AP) -- The wall of a reservoir filled with caustic red sludge will inevitably collapse and unleash a new deluge of red sludge that could flow about a half-mile (1 kilometer) to the north, a Hungarian official said Sunday.

That would flood parts of the town already hit by the industrial waste on Monday but stop short of the next town to the north.

Environmental State Secretary Zoltan Illes said recently discovered cracks on the northern wall of the reservoir at the alumina plant have

temporarily stopped widening because of favorable weather conditions but will continue to expand, especially at night.

Disaster agency spokesman Tibor Dobson said engineers didn't detect any new cracks overnight, and the older cracks were being repaired, but that it was too soon to consider lowering the current state of alert. Protective walls were being built around the reservoir's damaged area to hold back any further spills and a 2,000-foot (620-meter) long dam was under construction to save the areas of the town of Kolontar not directly hit by Monday's disaster.

"I would describe the situation as hopeful, but nothing has really changed," Dobson told The Associated Press. "The wall to protect Kolontar is planned to be finished by tonight, but it will likely be several days before residents may be able to move back."

Nearly all of Kolontar's 800 residents were evacuated Saturday, when Prime Minister Viktor Orban said the north wall of the massive storage pool - which is 24.7 acres (10 hectares) in size - was expected to "very likely" collapse after cracks were detected at several points along the dam.

The roughly 6,000 residents of neighboring Devecser, just north of Kolontar, were told by police Saturday to pack a single bag and get ready to leave at a moment's notice.

"This hasn't changed," Dobson said. "We are still on guard in case of any more spills."

[Red sludge](#) is a byproduct of the refining of bauxite into alumina, the basic material for manufacturing aluminum. Treated sludge is often stored in ponds where the water eventually evaporates, leaving behind a largely safe red clay. Industry experts say the sludge in Hungary appears

to have been insufficiently treated, if at all, meaning it remained highly caustic.

Illes, commenting to reporters during a tour of the affected villages and the damaged reservoir, confirmed that red sludge stored in Hungarian reservoirs was not treated to reduce its alkalinity.

On Monday, the sludge flooded three villages in less than an hour, burning people and animals. At least seven people were killed and at least 120 were injured. Several of those who were hospitalized were in serious condition. Around 184 million gallons (700,000 cubic meters) of the caustic red sludge was released.

The red sludge devastated creeks and rivers near the spill site and entered the Danube River on Thursday, moving downstream toward Croatia, Serbia and Romania. But the volume of water in the Danube appeared to be blunting the sludge's immediate impact.

Illes said that neutralizing chemicals poured into primary and secondary tributaries of the Danube, as well as efforts to remove as much red sludge as possible from the waterways, was able to prevent ecological damage to Europe's second-longest river.

In Romania, local authorities were testing the water Sunday every four hours in the village of Bazias where the Danube enters Romania from Serbia, and will continue to carry out tests all this week, said Adrian Draghici, director of Romanian water for Mehedinti county.

Romanian fishermen sailed out into the Danube and villagers fished on the banks of the river for pike, which is plentiful in the Danube. They seemed unperturbed by any potential hazards.

But local authorities warned residents about letting animals drink from

the Danube and urged them to be careful with fishing, as a precautionary measure.

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Citation: Officials: wall of Hungary sludge lake will fall (2010, October 10) retrieved 17 April 2024 from <https://phys.org/news/2010-10-wall-hungary-sludge-lake-fall.html>

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