

# Fukushima Nuclear Radiation: Japan Contaminated, “Realistic Estimate 60,000 km<sup>2</sup>, Occupied by 46 Million People”

By [Dr. Helen Caldicott](#)

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Region: [Asia](#)

Theme: [Environment](#)

Caldicott: All of Japan contaminated by Fukushima — “Realistic estimate is 60,000 km<sup>2</sup>, occupied by 46 million people” — “Things are grim, it gets worse by the day” — Unheard of in history, 100s of tons of melted fuel may be in earth (VIDEO)

[Bay FM 99.9 - Byron Bay Australia](#), Feb. 26, 2014:

- Dr. Helen Caldicott: Things are grim — it gets actually worse by the day. [...] There have been 3 meltdowns, which is just unheard of in the history of nuclear age, Units 1, 2, and 3, so that means that molten cores of about 100 tons of uranium in 3 reactors have melted their way through 6 inches of steel in the reactor vessel through to the containment floors, possibly through feet of concrete and steel into the earth. >> [Full broadcast here](#)

[Dr. Helen Caldicott in Kyoto, Japan](#), Mar. 8, 2014:

- Dr. Helen Caldicott: A more realistic estimate of contamination is 60,000 square kilometers, occupied by 46 million people including parts of Tokyo and surroundings. As you can see (map on right), the whole land mass is contaminated to a greater or lesser extent.

[Watch Dr. Caldicott's Kyoto presentation here](#)

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