

# PUBLIC SUBMISSION

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Potential Changes to Radiation Protection Regulations

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Radiation Protection; Advance Notice of Proposed Rulemaking

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## Submitter Information

**Name:** Anonymous Anonymous

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## General Comment

Please consider these points. Thank you --->

[1] Please let's not forget the excess cancers and cancer deaths and childhood leukemias from nuclear energy.

Quote from Dr. Ernest Sternglass:

The official measurements carried out by the Office of Radiological Health, and by the government, and the Public Health Service, they measured the radiation doses around the first big reactors in Dresden near Chicago, and they found that indeed there were doses almost as high as half of the normal background, and according to Dr. Stewart's finding, that would mean an increase of 40-50% in childhood cancers and leukemias around the fence of every nuclear plant.

[youtube /watch?v=hN7rcjSnxZs](https://www.youtube.com/watch?v=hN7rcjSnxZs)

[2] Dr. John Gofman concluded that by 1968-70 from the nuclear reactors that were then operating, about 20 of them or so, he said there would be something like 32,000 extra cancer deaths every year just from these nuclear reactors

Today there are 100 operating reactors, so using Dr. Gofman's numbers, multiply 32,000 X 5 and this means there are an additional 160,000 cancer deaths per year due to nuclear energy.

[youtube /watch?v=hN7rcjSnxZs](https://www.youtube.com/watch?v=hN7rcjSnxZs)

[3] Dr. John Gofman also found, regarding nuclear radiation:

"There cannot be a safe dose, because at the lowest possible dose, which is one radiation track through the cell, I have proved that cancer is the result.

Repeat: ONE RADIATION TRACK THROUGH THE CELL CAN CAUSE CANCER

[youtube.com/watch?v=wf4G0NRBfqY](https://www.youtube.com/watch?v=wf4G0NRBfqY)

[4] Radiation spikes during re-fueling of nuclear power plants may be the cause of childhood leukemias, hypothesized here:

"Yes. People living near nuclear power stations and downwind from them will be exposed to high doses of radiation during these emissions spikes much higher than from releases during the rest of the year. Estimates range from 20 to 100 times higher."

"Therefore higher doses from emission spikes could go a long way to explaining the increased incidences of child leukemias near NPPs shown by the KiKK findings. IPPNW Germany warns of the probable health impacts of such large emission spikes. Especially at risk are unborn children. When reactors are open and releasing gases, pregnant women can incorporate much higher concentrations of radionuclides than at other times, mainly via respiration said Reinhold Thiel, member of the German IPPNW Board. Radioactive isotopes inhaled by the mother can reach the unborn child via the blood and placenta with the result that the embryo/fetus is contaminated (labelled) by radioactive isotopes. This contamination could affect blood-forming cells in the bone marrow later resulting in leukemia. This provides a plausible explanation for the findings of the KiKK study published in 2007 and 2008 that under-fives living near NPPs are considerably more at risk of cancer, particularly leukemia, than children living further away Thiel added."

<http://www.ianfairlie.org/uncategorized/radioactive-spikes-at-nuclear-power-stations/>