

From: [Taylor Teegarden](#)
To: [RulemakingComments Resource](#)
Subject: Docket ID NRC-2009-0279
Date: Wednesday, June 17, 2015 8:20:15 PM

Dear Secretary,

Dear NRC Commissioners and Staff:

There is no "safe" level of radiation exposure. The nuclear industry conflates war with boiling water reactors. Comparing our planet's need for the sun's radiation is not the same as producing nuclear energy that cannot be stopped, turned off or simply shielded from with a piece of opaque material.

My husband quit the industry when he realized that he was working with systems with a finite useful life of about 40 years and that the fissile material left behind would be too hot to handle within any of our lifetimes.

Casualties of Operation Tomodachi at present allow for two deaths and hundreds of unrecognized illnesses due to exposure to radiation after the 2011 Japanese 9.0 earthquake that destroyed 3 nuclear facilities and continue to wreak devastating health hazards across most of Japan.

The NRC's Radiation Standards, 10 CFR 20, allow too much radioactivity to be released from the nuclear power fuel chain, its uranium mills, fuel factories, waste dumps and processors. Although the industry has been searching for ways to reduce allowable radioactive releases, doses and risks, with the utter scrambling for a solution. Or would that be SCRAMing for a solution.

Cancer risks from the current standards are too high, especially for women, children and babies. The potential and likely damage to our gene pool during our human reproductive cycle ought to be given close attention -- especially given what we have learned since Chernobyl.

My husband and I are asking that you:

- 1) Reduce the legal radioactivity permitted to be released into air and water; never increase them again. Reduce the legal dose to members of the public (from 100 or more millirems/year to 1 or a few or, better yet: zero) from each nuclear power facility. NRC risk numbers show current levels could be causing 1 in 286 men, 1 in 190 women and 1 in 41 baby girls to die from cancer. Protect everyone to the level needed by the most vulnerable—don't "average" by gender or age.
- 2) Stop the additional radioactive releases to sewage. Delete Table 3 of Appendix B of the current rule. On top of high risks from air and water emissions, NRC allows discharges into sewage that can give doses of 500 MORE millirems per year!
- 3) Protect the most vulnerable--I support reducing the allowable exposure during the reproductive phase of our life cycle. Set standards to protect infants and the embryo/fetus but reduce the legal exposure for pregnant workers and the embryo/fetus to less than the international recommendations (100 mr/remainder of pregnancy) and the public dose (100 mr/year). Less or no radiation at this part of our lifecycle will better protect all life-stages. Protect worker rights and privacy.
- 4) It's time to acknowledge radiation causes health problems other than cancer and protect against those as well: including heart disease, reduced immunity, mental retardation and more.
- 5) If you don't make the radiation rules stronger for us, our kids, our DNA and for nuclear workers, don't change them at all.
- 6) Don't refer to copyrighted documents. Release or rewrite the explanation for all changes so you can make

them public. People should not have to pay hundreds of dollars to see what's being considered.

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