

## RulemakingComments Resource

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**From:** Tom & Suzanne Davis <snorkers@pacifiedgeclimbinggym.com>  
**Sent:** Thursday, July 30, 2015 1:23 PM  
**To:** RulemakingComments Resource  
**Subject:** [External\_Sender] Linear No-Threshold Model and Standards for Protection Against Radiation

*To the NRC:*

*I oppose any change in policy or rules that would allow for more exposure to radiation of any kind to become acceptable, legal, or otherwise condoned. The NRC and every other facet of the U. S. Government has miserably failed the people of this country to keep them safe from the dangers created by the Nuclear Energy Industry, and the Nuclear Weapons Industry. These exercises of scientific folly and hubris have cost us billions of dollars of public funds, untold permanent environmental damage, and all at the cost of pursuing other more proven and successful technologies such as Solar. Do not weaken the standards of protection. Make them more stringent.*

*The U.S. Nuclear Regulatory Commission (NRC) has received three petitions for rulemaking (PRM) requesting that the NRC amend its “Standards for Protection Against Radiation” regulations and **change the basis of those regulations from the Linear No-Threshold (LNT) model of radiation protection to the radiation hormesis model.** The radiation hormesis model provides that exposure of the human body to low levels of ionizing radiation is beneficial and protects the human body against deleterious effects of high levels of radiation. Whereas, the LNT model provides that radiation is always considered harmful, there is no safety threshold, and biological damage caused by ionizing radiation (essentially the cancer risk) is directly proportional to the amount of radiation exposure to the human body (response linearity).*

This would be the most significant and alarming change to U.S. federal policy on nuclear radiation.

Tom Davis