

## **Rulemaking1CEm Resource**

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**Subject:** Comment on NRC-2015-0057 - PRM-20-28, PRM-20-29 & PRM-20-30  
**Attachments:** NRC-2015-0057-DRAFT-0333.pdf

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**TITLE:** Linear No-Threshold Model and Standards for Protection Against Radiation

**COMMENT#:** 340

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# PUBLIC SUBMISSION

**Docket:** NRC-2015-0057

Linear No-Threshold Model and Standards for Protection Against Radiation

**Comment On:** NRC-2015-0057-0086

Linear No-Threshold Model and Standards for Protection Against Radiation; Extension of Comment Period

**Document:** NRC-2015-0057-DRAFT-0333

Comment on FR Doc # 2015-20722

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## General Comment

Docket ID NRC-2015-0057 Linear No-Threshold Model and Standards for Protection Against Radiation

Sirs:

I am just a layman, neither a scientist nor a doctor, so my comments are strictly observational.

It is a known and irrefutable fact that given significant exposure to radiation, the subject will die. It is also known that given sufficient exposure to radiation, the subject will develop various cancers. Yet it is being proposed that a little exposure to radiation is acceptable; maybe even good for you. Even as a layman, I know this to be absurd.

Is a little exposure to a deadly virus such as Ebola good for you?

The U.S. Environmental Protection Agency states on their website the following about ionizing radiation:

"Each ionization releases approximately 33 electron volts (eV) of energy. Material surrounding the atom absorbs the energy. Compared to other types of radiation that may be absorbed, ionizing radiation deposits a large amount of energy into a small area. In fact, the 33 eV from one ionization is more than enough energy to disrupt the chemical bond between two carbon atoms. All ionizing radiation is capable, directly or indirectly, of removing electrons from most molecules."

Under an electron microscope, such a release of energy appears as a tiny explosion; a miniature nuclear bomb

if you will.

Should such a release of energy occur within the human body, it kills surrounding cells and mutate others. We should make every effort to limit ALL exposure to radiation and ALARA does that. Anything else is unacceptable...and deadly.