

## RulemakingForm2CEm Resource

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**From:** A.J. Averett [AJAverett@outlook.com]  
**Sent:** Friday, July 17, 2015 7:02 PM  
**To:** RulemakingComments Resource  
**Subject:** [External\_Sender] Radioactive Waste Disposal 10 CFR61 Docket ID NRC-2011-0012

Dear Secretary,

With a background in physics, I state categorically, and without exception, that there is no "safe" level of increased ionizing radiation exposure over background, particularly for the very young -- and that is especially true for airborne particles that may be inhaled, and only to a slightly lesser degree, ingested.

Therefore, I strenuously OPPOSE the proposed 10 CFR 61 changes, and ask NRC to make changes in the direction of greater isolation of waste. Radioactive releases and exposure to humans and other species must be prevented to the greatest degree possible, not increased.

In particular, I reject -- and ask that you remove -- the following provisions in your proposal:

No deregulation of radioactive waste waste:

Remove all provisions that would allow nuclear waste to go to regular trash or other unregulated places or into commercial recycling into consumer goods. This approach has been consistently rejected by the American public and explicitly by Congress in the 1992 Energy Policy Act. Delete the existing "\$ 61.6 Exemptions" and the proposed addition to "\$61.7 Concepts" that would allow deregulating, exempting and releasing radioactive waste and materials from radioactive regulatory control.

No increase in radiation to the public:

Reduce radiation releases: the goal should be to prevent all releases. Reject the proposed change from the current allowable public dose of 25 millirems/year to the higher 25 millirems EDE, 100 millirems EDE, 500 millirems EDE or even more per year.

No "black box" Performance Assessments by dump operators:

Remove all provisions that would allow dump operators to do their own "Performance Assessments" and make "Safety Cases" to claim they can put more kinds of radioactive waste and longer-lasting nuclear waste in shallow land burial trenches. This presents an obvious conflict-of-interest issue, as operators would have a vested interest in a favorable outcome of such assessments.

No preemption of state's authority:

Allow states to continue setting stricter, more protective standards than NRC. Remove the "Level B" compatibility requirement.

Radioactive materials hazardous for more than 100 years should be kept out of burial grounds. Simply labeling various time periods (compliance, performance, protective assurance, etc) and assigning increasing allowable doses does not protect anyone--it simply makes it legal to dispose of highly toxic and radioactive materials in an unsafe manner. Radiation safety is NOT the area for industry to save money by shortchanging.

Thank you.

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