

## Rulemaking1CEm Resource

---

**From:** RulemakingComments Resource  
**Sent:** Tuesday, December 17, 2013 12:07 PM  
**To:** Rulemaking1CEm Resource  
**Subject:** FW: Additional comments on NUREG 2157 and Docket No. NRC-2012-0246

**DOCKETED BY USNRC—OFFICE OF THE SECRETARY  
SECY-067**

**PR#:** PR-51  
**FRN#:** 78FR56775  
**NRC DOCKET#:** NRC-2012-0246  
**SECY DOCKET DATE:** 12/17/13  
**TITLE:** Waste Confidence—Continued Storage of Spent Nuclear Fuel  
**COMMENT#:** 00442

-----Original Message-----

From: Marv Lewis [<mailto:marvlewis@juno.com>]  
Sent: Tuesday, December 17, 2013 9:53 AM  
To: [regulations.gov\\_helpdesk@bah.com](mailto:regulations.gov_helpdesk@bah.com); RulemakingComments Resource; [babsjewell@yahoo.com](mailto:babsjewell@yahoo.com); [catalyst@actionPa.org](mailto:catalyst@actionPa.org); CHAIRMAN Resource; [cindy@beyondnuclear.org](mailto:cindy@beyondnuclear.org); [darnoc@crestofthewave.com](mailto:darnoc@crestofthewave.com); [dgilmore@cox.net](mailto:dgilmore@cox.net); [eNews@khouse.org](mailto:eNews@khouse.org); [et@prop1.org](mailto:et@prop1.org); [fran@hazam.org](mailto:fran@hazam.org); [gbthatisme@yahoo.com](mailto:gbthatisme@yahoo.com); [gizmome@optimum.net](mailto:gizmome@optimum.net); [josephoconnor666@comcast.net](mailto:josephoconnor666@comcast.net); [maryo@nirs.org](mailto:maryo@nirs.org); [michaelbft48@comcast.net](mailto:michaelbft48@comcast.net); [phyllis.criswell@gmail.com](mailto:phyllis.criswell@gmail.com); Lopas, Sarah; [regulations.gov\\_helpdesk@bah.com](mailto:regulations.gov_helpdesk@bah.com); RulemakingComments Resource  
Subject: Additional comments on NUREG 2157 and Docket No. NRC-2012-0246

Chairman and Commissioners of the  
Nuclear Regulatory Commission,  
The Honorable Sirs and Ms;

As the cut off date for comments in the present rulemaking looms closer, more and more issues appear suddenly and unexpectedly.

An immediate example is EPA's highest paid employee admits to a decade of deceit.

How can the public have any confidence in government employees where the highest paid employee in an agency gets away with deceit for a decade without repercussions?

I have much more technical concerns with which I shall continue.

1. The rules and regulations ignore the cumulative dose past the first year that the radiation is emitted and enters the food, water and air. When radioactive waste appeared to be handled in a fast, efficient manner, the added radiation past the first year was a matter that fell thru the cracks as a geological depository was assumed available when needed. There is now no assumption of a timely geological repository, and an admission that such a repository may need centuries. The radiation release reduces over time as a function of half life. The reverse is true for radiation stored on the surface.

Will the added dosage to the public and the workers be evaluated for the added time that the HL radwaste will be stored on the surface?

2. Michael Skinner, Michael Meaney and Moeshe Szyf have discovered the phenomenon called epigenetics. Epigenetics increases the damage that radiation will do to future generations.

Recent discoveries about the radiation dose during the PreCambrian Explosion of Life. The radiation dose during the PreCambrian Explosion of life was roughly that which is allowed in the EPA PAGs (Environmental Protection Agency Protective Action Guidelines). During the Precambrian Explosion of Life, many new life

forms came upon the scene. Evolution blossomed due to the reduction in the background dose to a level that allowed evolution to introduce many forms of life never seen before on this Earth.  
Are we forcing evolution back with the increase in background radiation to the point that life will stop evolving and how much will be due to the nuclear fuel cycle with the addition of high level radiative waste storage on the surface of the Earth?

Respectively submitted,

Marvin Lewis, Professional Engineer (Retired.) marvlewis@juno.com 12/16/2013.

**Hearing Identifier:** Secy\_RuleMaking\_comments\_Public  
**Email Number:** 464

**Mail Envelope Properties** (377CB97DD54F0F4FAAC7E9FD88BCA6D0014433AE40AE)

**Subject:** FW: Additional comments on NUREG 2157 and Docket No. NRC-2012-0246  
**Sent Date:** 12/17/2013 12:06:48 PM  
**Received Date:** 12/17/2013 12:06:48 PM  
**From:** RulemakingComments Resource

**Created By:** RulemakingComments.Resource@nrc.gov

**Recipients:**  
"Rulemaking1CEM Resource" <Rulemaking1CEM.Resource@nrc.gov>  
Tracking Status: None

**Post Office:** HQCLSTR01.nrc.gov

<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
MESSAGE	3318	12/17/2013 12:06:48 PM

**Options**  
**Priority:** Standard  
**Return Notification:** No  
**Reply Requested:** No  
**Sensitivity:** Normal  
**Expiration Date:**  
**Recipients Received:**