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NuScale Power, LLC, Design-Specific Review Standard and Safety Review Matrix

Comment On: NRC-2015-0160-0003

NuScale Power, LLC, Design-Specific Review Standard and Safety Review Matrix; Correction

Document: NRC-2015-0160-DRAFT-0003

Comment on FR Doc # 2015-16753

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Submitter Information

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BRANCH
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General Comment

The fraudulent waste of further taxpayer monies associated with the licensing of NuScale (MASLWR) and other SMR should be stopped immediately. While you probably can't do anything about the Dept. of Energy money wasted on "NuScale" -actually MASLWR (Multi-Application Small Light Water Reactor)- , when it belonged to the government, and now after it has been given to former employees and renamed NuScale (nor before that in the 1950s), you can abstain from wasting more taxpayer money on your end dealing with the licensing.

NuScale is not passive, it is not safe, it is not new. It is based off of old US Army reactors from the 1950s, combined with the Lucens nuclear reactor, which underwent a major nuclear disaster in 1969. Probably it has the swimming pool test reactors thrown in. One of the first military reactors was made by American Locomotive company (ALCO) so the "technology" is probably even older. In short, it's probably old steam railroad locomotive "technology" from over 200 years ago.

"Conduction through the vessel wall is by itself not a sufficient mechanism for heat removal in the present design. A circulation path is required to effectively remove the core decay heat. The sump makeup system is required."

p. 12. "PERFORMANCE AND SAFETY STUDIES FOR MULTI-APPLICATION, SMALL, LIGHT WATER REACTOR (MASLWR)1 James E. Fisher, S. Michael Modro, Kevan D. Weaver Idaho National Engineering and Environmental Laboratory Jose Reyes, John Groome Oregon State University Pierre Babka Nexant, Inc. <http://www4vip.inl.gov/relap5/rius/sunvalley/fisher-maslwr.pdf>

"5 022a

SBO - failure of the ADS vent valves: valve stuck open at the first opening Sump valve not operated

*E-RFDS = ADH-03
Cdd = J. Yalco (Jmg)*

*SWSI Review Complete
Template = ADH-013 -*

To investigate the grace time and the containment pressure peak if SUMP valves are not operated and the ADS vent valves stuck open.

HTC top valve opened

Grace time of about 6 hours before CHF conditions are reached at top of the core. The dryout cannot be quenched

Primary system coolant released through the HTC top valve outside the containment"

From "Deterministic safety analysis of Station Blackout postulated accident on the basis of the SMR simulator MASLWR , A. Del Nevo Report RdS/2012/014, Agenzia nazionale per le nuove tecnologie, l'energia http://www.enea.it/it/Ricerca_sviluppo/documenti/ricerca-di-sistema-elettrico/nuovo-nucleare-fissione/lp2/2011/014-lp2-rds-pdf

As pointed out by an ardent pro-nuclear military man: American Locomotive Company made one of the first army reactors: https://en.wikipedia.org/wiki/Army_Nuclear_Power_Program# Also pointed out by same person: Kiewit who signed a MOU with NuScale in 2008 worked on construction of the SM-1a. His admissions definitively scuttle the Nu in NuScale.

Chickens will come home to roost soon. A US nuclear accident is imminent and it's not upping the dose you consider safe by 100 fold, as you plan, which will change reality. While I predict that you and the DOE won't get by with these cons much longer, if you do you will still have to be accountable when you die. With current DOE-NRC policies this may be soon. So, it's best to repent now, come clean, and stop this relicensing and all of the other financial and health crimes. There's no forgiveness without repentance.