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A Compendium of Spent Fuel Transportation Package Response Analyses to Severe Fire Accident Scenarios

Comment On: NRC-2015-0234-0001

A Compendium of Spent Fuel Transportation Package Response Analyses to Severe Fire Accident Scenarios; Draft NUREG/CR-7209; Request for Comment

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Submitter Information

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General Comment

RE: Docket NRC-2015-0234

As Government Liaison for Californians for Green Nuclear Power <http://CGNP.org>, I strongly endorse the conclusion contained in the abstract to the 110-page Pacific Northwest Laboratories draft report prepared by J. A. Fort, J. M. Cuta, and H. E. Adkins, Jr. released in January, 2016 NUREG/CR-7209 PNNL-24792 "A Compendium of Spent Fuel Transportation Package Response Analyses to Severe Fire Accident Scenarios."

"The combined summary of this work on fire accidents demonstrates that current U.S. Nuclear Regulatory Commission regulations and packaging standards provide a high degree of protection to the public health and safety against releases of radioactive material in real-world transportation accidents, were such events to involve (Spent Nuclear Fuel) SNF containers."

Since "a (moving) picture is worth a thousand words," here is an excellent summary online video regarding the safety of SNF casks with a web link. For archival purposes, the downloaded highest resolution video is only 12,989 KB. (Unfortunately, this website does not permit videos to be uploaded.)

Rocket Powered Trains and Trucks in Sandia Laboratories Spent Nuclear Fuel Cask Tests - 1978

Published by uswine on Oct 29, 2014 <https://www.youtube.com/watch?v=XbFsw-IE1Nw>

Restored at 720 HD from a 1978 Sandia Laboratories 3 minute and 6 second color film, we see two rocket-powered trucks carrying spent fuel containers crashing into massive barriers, a rocket powered locomotive

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impacting a truck carrying a spent fuel container stopped in front of the locomotive on train tracks, and a rocket-powered transport car being impacted into a massive barrier, then being engulfed in burning jet fuel for 90 minutes. In all cases, the spent fuel containers would safely contain the spent nuclear fuel