

From: Steve O'Connor - nmss
To: Joseph Donoghue - nll
Date: Fri, Mar 29, 2002 9:26 AM
Subject: Re: CASK FIRE

Joe,

Part 71 requires that transportation packages for shipping spent fuel undergo a temperature test in which the packaging is heated in air not less than 1475°F (basically a fire test) for 30 minutes and then allowed to cool. To pass the test, it must be demonstrated that there is essentially no release of radioactive material. Over the years, a number of transportation packages have been subject to the fire test. I'm not sure if we can point to another similar cask that underwent Part 71 thermal testing (to the HI-STAR design that we ran the 7-hour-fire thermal analysis on), so I'm copying this e-mail to others who may have some better insight.

Steve

->>> Joseph Donoghue 03/27/02 04:33PM >>>
Steve,

(I copied John because I think he's your SC - tell me if I'm wrong)

I'm helping get responses to Markey's latest salvo. In a previous response we discussed a 7-hour duration fire analysis for a cask. Is there any experimental data to back that up or compare to the analytical result? If not for a cask, it may help to say that we know of a component that is not a cask, but close to it with similar material.

I'm not looking for detail, just an honest yes/no and very short description of any such info.

Thanks, Joe

CC: Allen Hansen; Christopher Bajwa; Earl Easton; Jack Guttman; John Monninger; Nancy Osgood

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