

Pedersen, Roger

From: Roger Pedersen -NRR
Sent: Tuesday, October 23, 2007 8:23 AM
To: Mark Cunningham -NRR
Subject: Re: SOARCA SECY

The full title of the report is;
"Health Risks from Exposure to Low Levels of Ionizing Radiation: BEIR VII Phase 2 (2006)," published by the NATIONAL ACADEMIES PRESS Washington, D.C.

>>> Mark Cunningham 10/23/2007 8:03 AM >>>
Roger: do you have a more specific reference for the NAS study?

Thanks.

Mark Cunningham, Director
Division of Risk Assessment
Office of Nuclear Reactor Regulation

>>> Roger Pedersen 10/22/2007 2:29 PM >>>
Mark,

Fred asked me to review the SOARCA Secy paper and provide the NRR HP Team comments back to you. I have completed my review and have the following comment.

In outlining the options to the Commission of whether to use an LNT does-risk model or a model with a 5 rem threshold, this SECY paper should point out that the National Academies of Science (NAS) issued a report in 2006 that reportedly verified the validity of the LNT model down to "low dose" exposures. A fourth disadvantage with the third option offered in this SECY (using only the 5 rem threshold model) would be the challenge of explaining the use of a threshold model in light of the NAS report.

I think that NRR can concur on the SECY with the above comment.

>>> Frederick Brown 10/19/2007 4:50:31 PM >>>
Mark,

Sorry to take so long, I'm behind on e-mail. Yes, I'd have assumed that Steve Garry's team would take a look at this SECY.

thanks,
Fred

>>> Mark Cunningham 10/18/2007 2:39:51 PM >>>
Fred: NRR has received a SECY for concurrence on health effects modeling in the RES SOARCA effort. It basically requests a Commission decision on what cancer model to use for low projected doses.

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It came to Jack, since he's on the SOARCA steering committee. My questions - have your HP folk been involved in SOARCA discussion on this subject? Do you think DIRS should see this SECY and make a recommendation on concurrence?

Mark

Mark Cunningham, Director
Division of Risk Assessment
Office of Nuclear Reactor Regulation