

Uribe, Juan

From: Khanna, Meena *me*
Sent: Sunday, September 11, 2011 9:08 PM
To: Uribe, Juan
Subject: FW: Query: One Pager on North Anna Earthquake Issue

See below...for another question for the comm. plan

From: Leeds, Eric *me*
Sent: Saturday, September 10, 2011 12:04 PM
To: Manoly, Kamal
Cc: Khanna, Meena; Hiland, Patrick; Wilson, George; Li, Yong
Subject: Re: Query: One Pager on North Anna Earthquake Issue

Great answer! Thanks kamal - enjoy the weekend!

From: Manoly, Kamal *me*
To: Leeds, Eric
Cc: Khanna, Meena; Hiland, Patrick; Wilson, George; Li, Yong
Sent: Fri Sep 09 18:16:31 2011
Subject: RE: Query: One Pager on North Anna Earthquake Issue

The question I currently have is how does the Mineral Va. earthquake impact what we were doing with regard to GI-199? Was the earthquake "bounded" by the GI-199 information or do we need to re-assess what we need licensee's to analyze for their plants?

Eric,
The ground motion estimates from the earthquake in VA strongly appear to validate the NRC's current seismic hazard assessment approaches and the basis for GI-199 reviews. When the new hazard estimates for performing the GI-199 GL evaluations become available, the ground motion estimate at the NA site will definitely bound the VA earthquake response spectrum measured at the plant. My expectation is that the licensee's long term action will, in some fashion, refer to its future response to the GL as a means to ascertain its seismic adequacy and desired CDF of $10E-5$ or less. Whether the GI-199 ground motion (GMRS) should become the new seismic design basis for the plant, that is a regulatory decision that we need to ponder carefully before rushing into a decision at this stage.
Kamal

From: Khanna, Meena *me*
Sent: Friday, September 09, 2011 5:31 PM
To: Manoly, Kamal
Subject: FW: Query: One Pager on North Anna Earthquake Issue

From: Leeds, Eric
Sent: Friday, September 09, 2011 5:29 PM
To: Khanna, Meena; Hiland, Patrick; Wilson, George
Cc: Grobe, Jack
Subject: Query: One Pager on North Anna Earthquake Issue

Pat & Co. –

Eric J. Leeds, Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
301-415-1270

From: Khanna, Meena

Sent: Friday, September 09, 2011 4:38 PM

To: Bowman, Gregory

Cc: Grobe, Jack; Boger, Bruce; Leeds, Eric; Ruland, William; McGinty, Tim; Lund, Louise; Pruett, Troy; Lubinski, John; Wiggins, Jim; Dapas, Marc; McCree, Victor; Croteau, Rick; Jones, William; Gitter, Joseph; Howe, Allen; Evans, Michele; Holian, Brian; Skeen, David; Galloway, Melanie; Cheok, Michael; Nelson, Robert; Bahadur, Sher; Andersen, James; Dean, Bill; Virgilio, Martin; Borchardt, Bill; Weber, Michael; Johnson, Michael; Holahan, Gary; Merzke, Daniel; Sanfilippo, Nathan; Hayden, Elizabeth; Chokshi, Nilesh; Wert, Leonard; Hiland, Patrick; Skeen, David; Li, Yong; Manoly, Kamal; Wertz, Trent; Martin, Robert; Thomas, George; Taylor, Robert; Franke, Mark; Boyle, Patrick; McCoy, Gerald; Wilson, George; Benner, Eric; Ordaz, Vonna; Weaver, Doug

Subject: One Pager on North Anna Earthquake Issue

Greg,

As requested, attached is an update to the One Pager on the North Anna Earthquake issue.

Thanks,

Meena Khanna, Branch Chief
Mechanical and Civil Engineering Branch
Division of Engineering
Office of Nuclear Reactor Regulation
(301)415-2150
meena.khanna@nrc.gov