From:	Ray Lutz <raylutz@citizensoversight.org>
Sent:	Friday, November 17, 2017 1:29 PM
To:	Poole, Justin
Cc:	Ace Hoffman; Donna Gilmore
Subject:	[External_Sender] Seabrook Meeting of 11-17

Hello!

Thank you for allowing me to participate. Please add me to the attendee list and please add me to email announcement list, etc.

My comments are as follows:

1. RAI D8 is exactly the right question to ask. The problem with the answer, as I see it, is that the answer is based on calculations which include F(thr), the threshold value of the force induced by the ASR expansion of the concrete. The definition of F(thr) is that it is the threshold of the expansion under which the safety margin is not violated. So of course, the rest of the answer won't violate the safety margin if you assume that value, thus circular reasoning.

It seems to me the calculations should be done in reverse. Take a particular structure. Determine the "extra margin" that been determined, and then show in that structure that the extra margin indeed exists.
Then solve for F(thr), and then for max expansion. Once you have the max expansion allowed, survey the site with core samples and applicable procedures etc. and verify that the expansion in the core is less than the limit.

I daresay the problem may be much worse that surface observations may indicate.

2. I am concerned that once the concrete does crack, then the rebar will be exposed to additional moisture and will rapidly corrode, weaken and expand, creating another force of degradation. I see in a report from 2011, there is a mention that there is no sign of such degradation. How do you know? -- Not explained how that was determined.

Thank you and please keep me in the loop. I hope my questions and reflections are helpful to your process.

--Ray Lutz

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