

From: Dentel, Glenn
Sent: Tuesday, October 13, 2015 7:28 AM
To: Bower, Fred; Gray, Mel; Cook, William; Barkley, Richard
Subject: RE: Re: Seabrook

Debbie Grinnell e-mail response.

From: Deborah Grinnell [mailto:grinnelldebbie2@gmail.com]
Sent: Monday, October 12, 2015 11:40 AM
To: Dentel, Glenn <Glenn.Dentel@nrc.gov>
Subject: [External_Sender] Re: Seabrook

Hello Glenn,

Thank you for your email. I need clarity on the definition of the words used to describe on SBK-L-15107/Enclosure 1/Page 9. In "NextEra Energy Response to Issue No 6" where it is statement; "Thirty-four (34) concrete core have been removed to date from ASR impacted concrete and visually examined"

- 1) The 34 concrete cores removed are they from Seabrook's "in situ" original concrete impacted by ASR in Seabrook New Hampshire's from the actual buildings. Where are the 34 cores located on these buildings?
- 2) The 34 concrete cores removed are they from the "representative sample areas" made from concrete similar to Seabrook's concrete in a "large scale test program" in Texas where the concrete is tested and removed from the 34 concrete cores and visually examined? Where are the 34 cores located in the concrete beams or walls created?

Thank you,

Debbie

On Sep 30, 2015, at 4:16 PM, Dentel, Glenn <Glenn.Dentel@nrc.gov> wrote:

Debbie,

We appreciated the opportunity to discuss the structural issues at Seabrook on September 15 and are providing the following in response to your questions.

The core bores removed from Seabrook structures and the associated material property testing were reviewed and summarized in both confirmation action letter (CAL) follow-up inspection reports (2012-009, Section 3.2.2 and 2012010, Section 9.2). The NRC does not have the summary data sheets for that testing in our possession. All written information, data, reports, drawings and emails related to Seabrook Station ASR in NRC possession were provided to C-10 under an earlier FOIA request. We have not re-reviewed the core sampling data at the Seabrook Station since a team of NRC inspectors, supplemented with structural engineers from our headquarters staff, reviewed the data and documented our conclusions in inspection reports

2012-009 (ML12338A283) dated December 3, 2012, and 2012-010 dated August 8, 2013 (ML13221A172).

NRC inspectors reviewed NextEra's containment operability determination in IR 2012010 (Section 9.3). The inspectors' review concluded NextEra's prompt operability evaluation (POD) for the containment structure supports that the containment structure is operable and capable of meeting its design basis function with some reduced margin.

NextEra has removed a number of core samples from structures at the Seabrook Station to identify and confirm the presence of ASR. While the NRC has not required that NextEra take cores from the plant structures or test specimens, our inspectors have reviewed the core sample results and described our scope of inspection and conclusions in our publically available inspection reports.

Looking forward, NextEra continues to develop actions to address the ASR issue. NextEra has elected to pursue a large scale test program to resolve this condition, which represents a non-conformance to their design basis. To resolve the non-conformance, NextEra will need to provide appropriate, well-supported information as part of a license submittal to the NRC. For any such submittal, we expect that NextEra will need to clearly establish that the results of their large scale testing program are representative of the actual conditions at the Seabrook Station prior to submitting the results of their accompanying evaluations to the NRC in accordance with 10 CFR 50.59 and/or 50.90. This would include ensuring any submitted test results are representative of conditions in the Seabrook containment and spent fuel pool structures. The NRC will assess the adequacy of the evaluations and corrective actions to address the ASR issue long-term.

The NRC continues to monitor the licensee's actions and verify the adequacy of the current operability determinations for ASR-affected safety related reinforced concrete structures. We are conducting inspections at approximate sixth month intervals to closely monitor licensee actions, and the resident inspectors remain vigilant to any related plant changes or activities. Our publically available inspection reports will continue to document the results of our inspections.

Enclosed is a copy of the latest inspection report as requested.

Glenn Dentel, Mel Gray and William Cook

From: Debbie Grinnell [<mailto:debbie@c-10.org>]
Sent: Friday, September 18, 2015 11:17 AM
To: Dentel, Glenn <Glenn.Dentel@nrc.gov>
Subject: [External_Sender] RE: Seabrook

Hi Glenn,

Thank you very much for sending Fred Bower's email to me.

As a result of our call, could you sent me an email to clarify the two questions concerning our discussion with the NRC present.

Am I clear that 1) the NRC is not requesting any testing on ASR data in Seabrook's spent fuel pool and on Seabropok's conmtainment.

2) Also was I correct in Bill's statement that the 34 cores tested and done on Seabrook's concrete or not and will not be publically available or the data reported by the industry on all of the cores will not be publically available by the NRC?

Thank you, Glenn.

Debbie

From: Dentel, Glenn [<mailto:Glenn.Dentel@nrc.gov>]

Sent: Wednesday, September 16, 2015 10:40 AM

To: Debbie Grinnell <debbie@c-10.org>

Cc: Bower, Fred <Fred.Bower@nrc.gov>

Subject: Seabrook

The new branch chief starting October 4, 2015 for Seabrook is Fred Bower. His e-mail is Fred.Bower@nrc.gov and phone number is 610-337-5200.

Glenn Dentel

Branch Chief responsible for oversight of Seabrook, Salem and Hope Creek

610-337-5233 (w)

<SB IR 2015002 .pdf>

7