

**From:** Bower, Fred  
**Sent:** Thursday, August 18, 2016 3:44 PM  
**To:** Deborah Grinnell; Debbie Grinnell (C-10) - debbie@c-10.org; Sandra Gavutis - (Info@C-10.org); Sandra Gavutis  
**Cc:** Gray, Mel; Lorson, Raymond; Wittick, Brian; Buford, Angela; Cook, William; Cataldo, Paul; Scott, Michael; Pelton, David; Klukan, Brett; Poole, Justin; Bower, Fred; Barkley, Richard  
**Subject:** RE: My email in ML16180A212 is not complete, requesting the NRC quote included [2016-SST-0548]

**[2016-SST-0548]**

Ms. Grinnell,

I am writing in response to your below email to me dated August 16, 2016. The email to me references an email that you previously sent to Mel Gray on Thursday June 23, 2016 (ML16180A212). Your June 23 email included a request for Mel Gray to forward the email to Raymond Lorson, Brian Wittick, Angela Buford, Bill Cook and Paul Cataldo. I informed you that I had forwarded your email as requested in my response email to you dated June 30, 2016 (ML16187A130).

The below August 16 email from you notes that during a subsequent review of ML16180A212, you recognized that the item (page 6, Item 4) you intended to quote from an NRC document (ML12054A730) was incomplete. You provided additional text and requested that I include the full quote in ML16180A212. As I have written to you previously, to be consistent with my understanding of agency policies, I timely place all incoming correspondence received from external stakeholders, such as yourself, which require a response from me, into ADAMS without alteration, as a public record. Consequently, I will not be editing or altering any of the correspondence that you send me, but I intend to consider all the correspondence that I receive from you before responding.

In my response letter to you dated August 18, 2016 (ML16231A134), I provided an enclosure that included responses to questions and concerns received from you in correspondence since June 2016. The first item in the enclosure restates our understanding of the issue you raised in ML16180A212 and provides a response. When we restated your issue, we quoted Item 4 (page 6) from ML12054A730, in its entirety as follows:

*“The AR1644074 Evaluation of the local section does not evaluate the effect of reduced modulus on stress and strain in the rebar. The strain in the rebar could go beyond the yield strain. From page 47 of Calc CE-4 referenced in the evaluation for element 255, the stress in the hoop reinforcement is 61.493 ksi, which is already beyond yield.”*

Raymond Lorson, Brian Wittick, Angela Buford, Bill Cook and Paul Cataldo were provided carbon copies of that letter and this email. I intend to have this email response placed into ADAMS as a public record.

The above referenced documents may be obtained online in the NRC’s Agencywide Documents Access and Management System (ADAMS) public documents collection

at: <http://www.nrc.gov/reading-rm/adams.html>. Using the ADAMS Accession Number (ML#), you may begin a search for these documents by selecting “ADAMS Public Documents” and then select “Begin Web-based ADAMS Search.” For problems with ADAMS, please contact the NRC’s Public Document Room (PDR) reference staff at 1-800-397-4209, 301-415-4737, or by e-mail to [pdr.resource@nrc.gov](mailto:pdr.resource@nrc.gov).

I trust that this is responsive to the concerns you have raised.

Sincerely,

*Fred Bower*

**USNRC Region I Branch Chief with Oversight Responsibility for Salem, Hope Creek and Seabrook**  
| 2100 Renaissance Boulevard, STE 100, King of Prussia, PA 19406 |  
| ☎: (610) 337-5200 |

**[2016-SST-0548]**

---

**From:** Deborah Grinnell [mailto:grinnelldebbie2@gmail.com]  
**Sent:** Tuesday, August 16, 2016 5:36 PM  
**To:** Bower, Fred <Fred.Bower@nrc.gov>  
**Cc:** Gray, Mel <Mel.Gray@nrc.gov>  
**Subject:** [External\_Sender] My email in ML16180A212 is not complete, requesting the NRC quote included

Hello Fred,

I read ML16180A212 which was an email I sent to to NRC Mel Gray on Thursday June 23, 2016 @ 11:29AM.

In my last sentence in the third paragraph that started as “ I have an email from NRC R Nelson about the concern that Seabrook’s containment (CEB) was beyond yield, there is a quote from the NRC document that is not included in my email in ML16180A212.

Missing in the NRC document in #4. I believe I sent it in the email to Mel Gray, it states “ **The AR1644074 Evaluation of the local section does not evaluate the effect of reduced modulus on stress and strain in the rebar.**

**The strain in the rebar could go beyond the yield strain. From page 47 of Calc CE 4 referenced in the evaluation for element 255, the stress in the hoop reinforcement is 61,493 ksi, which is already beyond yield” .**

**I sent the email to Mel Gray and asked Mel Gray to send my email to NRC Raymond Lorson, Fred Bower, Brian Wittick, Angelo Buford, Bill Cook, and Paul Cataldo and as I agreed to quote the NRC documentation at the close of the public meeting.**

**The quote in bold above should be included in the ML16180A212. Would you include the quote to the ML16180A212 and send the correction to the NRC staff above? Please let me know when t is done.**

Thank you, Fred,

**Debbie**