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**DE FOIA Resource**

**From:** Khanna, Meena *meena*  
**Sent:** Monday, August 29, 2011 3:23 PM  
**To:** Li, Yong; Manoly, Kamal  
**Subject:** FW: 8/24 Earthquake Followup

**Importance:** High

Help...another exceedance of OBE possibly? Yong, do you have time to look at the email below and let me know what you think and we can then call the resident inspector, pls.

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**From:** Bamford, Peter *meena*  
**Sent:** Monday, August 29, 2011 3:18 PM  
**To:** Khanna, Meena  
**Subject:** FW: 8/24 Earthquake Followup

Meena, do you have a seismologist on staff that I can discuss this with?



Peter Bamford  
NRR/DORL/LPL 1-2  
Limerick & TMI-1 Project Manager  
301-415-2833

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**From:** Sieller, Nicole *me*  
**Sent:** Monday, August 29, 2011 2:45 PM  
**To:** Schmidt, Wayne; Krohn, Paul  
**Cc:** Ambrosini, Josephine; Cahill, Christopher; Bamford, Peter; Cook, William; DiPaolo, Eugene  
**Subject:** RE: 8/24 Earthquake Followup

Outside of Scope

*outside of scope*

Information in this record was deleted  
in accordance with the Freedom of Information  
Act, exemptions Outside of Scope  
FOIA- 2011-0357

*P/49*

Outside of Scope

outside of scope

**From:** Schmidt, Wayne  
**Sent:** Monday, August 29, 2011 1:17 PM  
**To:** Hansell, Samuel; Ziedonis, Adam; Krohn, Paul; Finney, Patrick; Greives, Jonathan; Ambrosini, Josephine; Sieller, Nicole; Rosebrook, Andrew; Dentel, Glenn; Kennedy, Silas; Torres, Edgardo; Burritt, Arthur; Cline, Leonard; Perry, Neil; Bower, Fred; Patel, Amar; Schroeder, Daniel; McKenna, Philip; DiPaolo, Eugene; Barber, Scott; Kulp, Jeffrey; Werkheiser, David; Heinly, Justin  
**Cc:** Cook, William; Cahill, Christopher; Roberts, Darrell; Miller, Chris; Lew, David; Wilson, Peter  
**Subject:** 8/24 Earthquake Followup

Good afternoon

This a quick turnaround item, I would like to be complete by COB Wed 8/31. Any questions give me or Chris a call.

We need to close the loop on the earthquake, specific to the magnitude of ground motion determined at each site that entered a UE. Attached is a continuation of the status sheet that Tom Setzer generated and maintained in the IRC. Two columns were added; one, with the OBE and SSE values from the UFSARs and two, a place for the inspector to state that we reviewed and found acceptable how the licensee determined and documented that the ground motion was less than the OBE (please give some detail about what the licensee did).

I would think that each licensee initiated a CR on the UE and that the evaluation would be contained there. Also if possible ensure that licensee's earthquake response procedure requires a verification that any event is less than the OBE and action to take if it is not.

Talking to Ray Powell - time should be charge to event follow-up.

Based on the 50.72s and the attached status sheet:

- PB and SUS reported that the in-plant seismic alarm instrumentation indicated that the OBE had not been exceeded.
- For CC, HC, Sal, and Lim – it appears we gathered information during the event that indicated less than OBE.
- OC review was on going.

**This is important because - 10 CFR Part 100, Appendix A, V.(a)(2) Determination of Operating Basis Earthquake states**

"The Operating Basis Earthquake shall be specified by the applicant after considering the seismology and geology of the region surrounding the site. If vibratory ground motion exceeding that of the Operating Basis Earthquake occurs, shutdown of the nuclear power plant will be required. Prior to resuming operations, the licensee will be required to demonstrate to the Commission that no functional damage has occurred to those features necessary for continued operation without undue risk to the health and

safety of the public. The maximum vibratory ground acceleration of the Operating Basis Earthquake shall be at least one-half the maximum vibratory ground acceleration of the Safe Shutdown Earthquake”.