

**Martin, Robert**

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**From:** Khanna, Meena *NRK*  
**Sent:** Thursday, September 15, 2011 3:00 PM  
**To:** Martin, Robert  
**Subject:** FW: Questions/Issues related to North Anna Seismic Event  
**Attachments:** North Anna 1 and 2 restart after earthquake dated August 23.doc  
**Importance:** High

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**From:** Bedi, Gurjendra *NRK*  
**Sent:** Thursday, September 15, 2011 9:49 AM  
**To:** Khanna, Meena  
**Cc:** McMurtray, Anthony; Bedi, Gurjendra  
**Subject:** RE: Questions/Issues related to North Anna Seismic Event  
**Importance:** High

Meena

Attached is the list of questions/issues related to snubbers at North Anna 1 and 2 restart. These are reviewed by Tony.

If you need any additional information please let me know.

Thank you

Gurjendra S. Bedi  
Mechanical Engineer  
NRC/NRR/DCI/CPTB  
301-415-1393  
[gurjendra.bedi@nrc.gov](mailto:gurjendra.bedi@nrc.gov)

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**From:** Khanna, Meena  
**Sent:** Wednesday, September 14, 2011 12:14 PM  
**To:** Mendiola, Anthony; Ulses, Anthony; Casto, Greg; Dennig, Robert; Bailey, Stewart; Taylor, Robert; Lupold, Timothy; Mitchell, Matthew; McMurtray, Anthony; Wilson, George; Murphy, Martin; Mathew, Roy; Tate, Travis; Martin, Robert; Harrison, Donnie; Circle, Jeff; Klein, Alex; Pham, Bo; Auluck, Rajender; Pelton, David; Kulesa, Gloria; Manoly, Kamal; Miranda, Samuel; Mitman, Jeffrey; Karipineni, Nageswara; Rahn, David; McConnell, Matthew; Goel, Vijay; Sahay, Prem; Som, Swagata; Scales, Kerby; Matharu, Gurcharan; Laur, Steven; Snodderly, Michael; Sheikh, Abdul; Bedi, Gurjendra; Lin, Bruce; Franke, Mark; McCoy, Gerald; Boyle, Patrick; Martin, Robert; Kulesa, Gloria  
**Cc:** Hiland, Patrick; Howe, Allen; Galloway, Melanie; Lubinski, John; Wilson, George; Lee, Samson; Evans, Michele; Giitter, Joseph; Farzam, Farhad  
**Subject:** Questions/Issues related to North Anna Seismic Event  
**Importance:** High

All,

Pls note that the licensee has indicated that they plan to submit their restart document to us this Friday. Having said that, we'd like to request that **all technical BCs, as applicable, identify any high priority questions, e.g., related to fuel, etc. be submitted to Bob Martin and myself by 2:30 pm today.** The plan is for us to share these questions with the licensee by COB, today, and provide them with an opportunity to

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hold conference calls with us tomorrow to discuss, as needed. We would like to send whatever high priority questions we have today, so that at least they can consider them prior to issuing their document. Pls. note that this is by no means intended to be an all inclusive list.

In going forward, we will discuss a "systematic" approach in issuing the questions to the licensee at the 1:30 pm meeting today.

Thanks so much for all of the support and we'll see you at 1:30.

Meena Khanna, Branch Chief  
Mechanical and Civil Engineering Branch  
Division of Engineering  
Office of Nuclear Reactor Regulation  
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## North Anna 1 and 2 restart after earthquake dated August 23, 2011

1. Please confirm that a visual examination of all the snubbers (small bore and large bore) has been performed to ensure compliance with the design basis acceptance criteria.
2. Please confirm that an evaluation of snubbers(s) has been performed when a snubber is determined to be not acceptable during the visual examination (item 1, above) [locked snubber, deformation, damaged bearing, missing or broken pin, fluid leak in hydraulic snubbers, etc.]
3. Please confirm that the testing of snubbers (small bore and large bore) as required by Technical Requirement Manual (TRM) Section 3.7.5, has been performed to ensure the operability of all the snubbers. [NRC authorized the use of alternative TRM Section 3.7.5 in lieu of the ASME Code requirements in the safety evaluations for Relief Request CS-001 for North Anna Unit 1 and Relief Request N2-I4-CG-001 for North Anna Unit 2.]
4. Please confirm that an evaluation of snubber(s) has been performed for snubbers located on an unacceptable or damaged piping system discovered during the inspection of the piping system.
5. Please confirm that all the snubbers' existing design loads are greater than or equal to the new design loads based on the higher earthquake (August 23, 2011) values.

Note: The examination of support structures and attachments where snubbers are attached are covered by the inspection of support structures.