

Items from Last Week's Meetings on TWG Report

Listed below are my understanding of things we need to be doing and who is doing them. Some of the information may be to cryptic or may miss something. Please note that everything we have to do to issue the report may not be listed, so don't think that this is all there is to do. Please review the information and let me know your comments. Actions individuals are in bold.

NOTE: Items 3, 4, 6, and 7 support rewrite of Appendix 1 (Item 8)

1. Develop outline and draft writeup about why the partial draindown is not of major concern. Also, may include words relative to ventilation assumptions relative to seismic events beyond 3 X SSE. **Rich Barrett**
2. Need words from Gautam, with agreement from RES and Kennedy, that if a plant passes seismic check list, then building will be standing and our assumption that there will be at least 2 building volumes changes per hour of ventilation. **Gautam, Glenn, and George or Diane**
3. Get with PNNL and see what calculations they can do to determine if we have 10 hours or more for evacuation with a partial draindown scenario. **Glenn Kelly, Mark Rubin, Ralph Caruso, Frank Akstulewicz and Chris Boyd**
4. Finalize partial draindown technical information (calculations supporting low frequency of partial draindowns) and include in Appendix 1. **Joe Staudenmeier**
5. Finalize partial draindown and ventilation total story. **Mark, Glenn, Rich, George, and Diane**
6. Verify that we have 10 hours of evacuation time for complete draindowns after some period of time (> 1 year and all times thereafter??) (timing of zirconium fire). **Joe**
7. Determine how long until there will no longer be chance for zirconium fire with full or partial draindown (window of vulnerability). **Joe and Chris Boyd**
8. Rewrite Appendix 1 to stress what we do know and establish basis for using 800 °C lower limit for fuel temperature without runaway oxidation. **Joe lead with help from Charlie Tinkler and Sud Basu** - I believe Charlie indicated he would be providing additional information on fuel fines, breakaway oxidation, hydrides, ruthenium, inter-metallic, and gap release and why they are not of concern below 800 °C. (I'm not sure where zirconium nitrogen reactions fit) Some of this may overlap with work Jason Schaperow is providing. **Glenn, Joe, Mike Cheek, Bob Palla and Mark please work with RES** to make sure we are covered.
9. Ensure we have appropriate consequence information, including information on plume related parameters, for report. **Glenn, Mike, Bob, Jason and Charlie**
10. Writeup and why LERF criteria is acceptable including QHO. **Mark and Bob**

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11. Seismic writeup. **George, Gautam, Glenn, Diane and RES with Bob Kennedy**
12. Uncertainties in the risk - I believe this has been done by Gareth
13. Finalize public comments - **Diane, Tanya, George, John Lehning, Glenn, and others as needed.**