

**Comments Submitted Online by Virtual Attendees
During the U.S. Nuclear Waste Technical Review Board's Spring 2024 Meeting
May 21-22, 2024 in the Order that the Comments Were Submitted¹**

DAY 2 – Wednesday, May 22, 2024

Name: Ayantika Banerjee

Affiliation: Federal Institute for Material Research and Testing (Germany)

Comment: I am currently working with high-level waste disposal container. I would like to attend this event to get some perspectives related to this issue.

Name: Richard R. Parizek

Affiliation: Pennsylvania State University

Comment: Important meeting.

Name: Son Nguyen

Affiliation: Canadian Nuclear Safety Commission

Comment: None

Name: Donna Gilmore

Affiliation: SanOnofreSafety.org

Comment: I hope the Board makes clear early in their Executive Summary to Congress that major unresolved problems (gaps, challenges, etc.) with any geological repository are technical, not just political. Congress seems to be relying on a GAO report and other sources that the problem is just political, not technical. The NWTRB in the past has produced some excellent reports.

Name: Chammi Miller

Affiliation: Sandia National Labs

Comment: H₂ reacts above 200 C, with some precious metals. therefore redox is very sensitive to oxidation/reduction potential due to the chemical condition. I think this area needs a lot of attention. Hydrogen over pressure is questionable because you need to consider equilibrium, reactions can be reversible, when H pressure increases, a new equilibrium will establish with lowest potential energy of the system.

¹ These include only the technical comments and not those comments identifying issues with the audio or video of the web stream. The Board appreciates the virtual attendees letting us know when audio-visual arise and when the issues are resolved.