Meeting (Teams Session) started Monday 12:41 PM Meeting started

[Monday 12:47 PM] Adam Levin (Guest) has temporarily joined the chat.

[Monday 12:49 PM] Leshinskie, Anthony

Adam, were you able to hear me about a minute ago?

[Monday 12:50 PM] Maddy Arms has temporarily joined the chat.
[Monday 12:54 PM] Lissa Weinmann (Guest) has temporarily joined the chat.
[Monday 12:55 PM] Betsy Madru has temporarily joined the chat.
[Monday 12:56 PM] Stefan Finsterle (Guest) has temporarily joined the chat.
[Monday 12:57 PM] Susan Smallheer (Guest) has temporarily joined the chat.
[Monday 12:58 PM] Marvin Resnikoff (Guest) has temporarily joined the chat.
[Monday 12:58 PM] AudreyFamette (Guest) and Pat Bradley WAMC (Guest) have temporarily joined the chat.
[Monday 1:00 PM] Schuyler Gould (Guest) has temporarily joined the chat.
[Monday 1:02 PM] Chris Williams (Guest) has temporarily joined the chat.
[Monday 1:03 PM] Corey Daniels (Guest) has temporarily joined the chat.
[Monday 1:04 PM] Corey Daniels (Guest) no longer has access to the chat.

[Monday 1:04 PM] Adam Levin (Guest)
Tony - 1685 pages of comments.

[Monday 1:05 PM] Daniels, Corey has temporarily joined the chat.
[Monday 1:13 PM] Screnci, Diane has temporarily joined the chat.
[Monday 1:15 PM] Kari Hulac has temporarily joined the chat.

[Monday 1:36 PM] Kari Hulac
https://www.deepisolation.com/technology/safety-calculations/
Safe Nuclear Waste Disposal - Deep Isolation
Deep Isolation is committed to the safety of people and the environment and is actively developing deep borehole disposal technology to achieve enhanced safety and long-term isolation of nuclear wastes...

[Monday 1:38 PM] Kari Hulac
https://www.deepisolation.com/faqs/
FAQs - Deep Isolation
Topics Deep Isolation Technology Community and Public Support Safety Figures Deep Isolation Technology What is the Deep Isolation concept, in simple terms? Deep Isolation will emplace nuclear waste...

[Monday 1:40 PM] Kari Hulac
Related to question about water path:

The disposal section of the drillhole is buried thousands of feet underground, under a billion tons of rock, including layers that have held volatiles (methane) for millions of years. The potential release path is for the radioactive material (e.g. radioactive iodine found in the pellets) to dissolve in deep water which could then be transported to the surface.

We plan to prevent this by a combination of engineered barriers (low-corrosion metal for the canisters) and the geologic barrier which is the rock. Engineered barriers include the ceramic pellets themselves, the metal rods that contain them, the sealed corrosion-resistant canisters that hold the rod assemblies, the steel casing that lines the drillhole, and the sealed drillhole. These engineered barriers are expected to provide protection for tens of thousands of years.

For the geologic barrier, a formation will be considered suitable if we can demonstrate beforehand that the water at depth is extremely stagnant and has been out of contact with the surface for hundreds of thousands to millions of years.

[Monday 1:46 PM] Stefan Finsterle (Guest)
Marvin: My name is Stefan Finsterle; I performed the safety calculations for Deep Isolation. Quick answer to your relevant question: The borehole is indeed filled with water (which is certain advantages) - from the beginning. The residual waste heat indeed leads to some expansion of the water. However, this heat dissipates rather quickly into the rock, and leads to a very small driving force. Therefore, water does not move significantly, because the host rock is very tight, and the borehole itself will be plugged and sealed. We have included all these effects in out safety calculations that Kari gave you the links. Feel free to contact me directly if you have more specific technical questions (stefan@finsterle-geoconsulting.com).

[Monday 1:51 PM] Kari Hulac
Safety studies: https://www.deepisolation.com/wp-content/uploads/2020/05/Deep-Isolation-Safety-published-in-Energies-sm.pdf%22

[Monday 1:51 PM] Kari Hulac
https://www.deepisolation.com/wp-content/uploads/2021/10/SafetyAnalysis-Deep-Vertical-Borehole-NuclearWasteDisposal.pdf

[Monday 1:52 PM] Kari Hulac
https://www.deepisolation.com/wp-content/uploads/2021/01/Sealing-of-a-Deep-Horizontal-Borehole-Repository-Nuclear-Waste-DeepIsolation.pdf

[Monday 2:10 PM] Schuyler Gould (Guest) no longer has access to the chat.
[Monday 2:10 PM] Screnci, Diane no longer has access to the chat.
[Monday 2:10 PM] Chris Williams (Guest) no longer has access to the chat.
[Monday 2:10 PM] Stefan Finsterle (Guest) no longer has access to the chat.

[Monday 2:10 PM] Betsy Madru no longer has access to the chat.
[Monday 2:10 PM] Daniels, Corey no longer has access to the chat.
[Monday 2:10 PM] Maddy Arms no longer has access to the chat.
[Monday 2:10 PM] Kari Hulac no longer has access to the chat.
[Monday 2:11 PM] AudreyFamette (Guest) no longer has access to the chat.
[Monday 2:11 PM] Adam Levin (Guest) no longer has access to the chat.
[Monday 2:11 PM] Lissa Weinmann (Guest) no longer has access to the chat.
[Monday 2:11 PM] Pat Bradley WAMC (Guest) no longer has access to the chat.
[Monday 2:11 PM] Marvin Resnikoff (Guest) no longer has access to the chat.

[Monday 2:12 PM] Leshinskie, Anthony

NDCAP email address is: PSD.NDCAP@vermont.gov.

[Monday 2:12 PM]
Monday 2:12 PM Meeting ended: 1h 34m 49s