Q&A

- **U.S. EPA:** How limited is vermiculite and are there opportunities to treat the vermiculite and reuse that resource in practice?
    - **Katherine Hepler:** I think there are two major producers, and we talk to one of them to get this delivery frequency information. For reducing the vermiculite, I wonder if removing cesium from the vermiculite might produce more waste. We will investigate it.
    - **Argonne National Laboratory:** The suppliers provided those values. They make vermiculite by the 10s of tons. If this was a national emergency, they would make previsions.
- **U.S. Army Combat Capabilities Development Command**: I noticed you said there was a reduction in the initial clean solution and a 1 factor reduction in the reuse water; is that reuse water enough to do the next, or is there a need of a continual feed of clean water?
    - **Katherine Hepler:** The way the simulation works is that the decontamination teams will draw from the initial clean solution until it is depleted. This cycle will occur multiple times. When the initial clean solution is depleted, that first arrow is cut, and a smaller cycle continues not including the initial clean solution.
- **Defense Research and Development Canada:** Was there a dose effect for the decontamination responder?
    - **Katherine Hepler:** That is scenario specific. The contamination levels were based on National Planning Scenario #11 across all the buildings. The treatment beds might have some dose effect because you are localizing the cesium in the treatment beds. Overall, we find there is not really a risk for dose.