

Review of: "Speculative High-Level Nuclear Waste Processing Methods"

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Potential competing interests: No potential competing interests to declare.

Evaluation: MAJOR REVISION

Dear Editor, please send the research for evaluation again after modifications are corrected by the author

Commends:

1. **Abstract:** is concise and provides an overview of the speculative methods discussed. It might benefit from a brief mention of the potential challenges and implications of these methods.
2. **Introduction: -Context and Importance:** Explain the significance of solving the high-level nuclear waste issue, its challenges, and why it's crucial for the expansion of nuclear power.
- Current State of Solutions: Briefly discuss the current methods and their limitations, including the successes in Sweden and Finland.
3. **Clarity and Detail:** Ensure that each method is described in detail, providing enough context for readers unfamiliar with the specific scientific concepts.
4. **Consistent Terminology:** Use consistent terminology throughout the paper to avoid confusion.
5. **Visual Aids:** Consider including diagrams or tables to illustrate complex processes or compare the different methods.
6. **Summary of Findings:** Summarize the key points discussed in the manuscript.
7. **References:** Ensure all sources cited in the manuscript are properly referenced.