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Greetings,

On behalf of my co-authors and myself, I am hereby re-submitting our manuscript, entitled “First-principles investigation of the thermophysical properties of NaCl,

PuCl3, and NaCl-PuCl3 molten salts” for publication in the *Journal of Nuclear Materials.*

This article provides the first thorough *ab initio* investigation of the NaCl-PuCl3 system. By identifying key properties which had not been obtained previously, and by providing insight into the interpretation of experimental results, we feel this work greatly adds to the scientific community.

We thank the reviewers for their time and for their constructive feedback. We believe that we have answered all their points, both in the response document and in the manuscript, where applicable. We believe that the manuscript has been improved by their comments.

Sincerely,

Benjamin Beeler