

August 19, 2022

Docket No. 50-7513

US Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555-0001

Subject: Kairos Power LLC
Transmittal of Change to Preliminary Safety Analysis Report Chapter 14

References: 1. Letter, Kairos Power LLC to Document Control Desk, "Submittal of the Preliminary Safety Analysis Report for the Kairos Power Fluoride Salt-Cooled, High Temperature Non-Power Reactor (Hermes)," September 29, 2021 (ML21272A376)
2. Letter, Kairos Power LLC to Document Control Desk, "Transmittal of Kairos Power CPA Changes," February 18, 2022 (ML22049B556)

In September 2021, Kairos Power submitted a Preliminary Safety Analysis Report (PSAR) (Reference 1) as part of the Construction Permit Application (CPA) for the Hermes non-power reactor. In February 2022, Kairos Power submitted changes to the CPA (Reference 2). This letter transmits a conforming change to a page of the PSAR to align with the changes submitted in February 2022. The change to the page of the PSAR is provided in Enclosure 1. Kairos Power requests NRC review of this changes as part of the continued review of the Hermes CPA.

If you have any questions or need any additional information, please contact Michael Ellett at ellettmic@kairospower.com or (704) 247-6310 x1368, or Darrell Gardner at gardner@kairospower.com or (704) 769-1226.

I declare under penalty of perjury that the foregoing is true and correct.
Executed on August 19, 2022



Peter Hastings, PE
Vice President, Regulatory Affairs and Quality

Enclosure: Change to Hermes PSAR Chapter 14

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xc (w/enclosure):

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