

November 15, 2022

Docket No. 50-7513

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

Subject: Kairos Power LLC
Additional Information Related to Construction Permit Application – PSAR Chapter 1

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), Revision 1," September 29, 2022 (ML22272A594)
2. Audit Plan, Nuclear Regulatory Commission, "Plan for a General Audit of the Hermes Construction Permit Application," February 10, 2022 (ML22049A336.)

In September 2022, Kairos Power submitted Revision 1 of the Preliminary Safety Analysis Report (PSAR) (Reference 1) as part of the Construction Permit Application (CPA) for the Hermes non-power reactor. This letter transmits a copy of a letter from the US Department of Energy (DOE) to Kairos Power regarding contract discussions for the management of spent nuclear fuel and high level waste. The information in Enclosure 1 is provided to address NRC feedback received on PSAR Chapter 1 in the General Audit (Reference 2). Kairos Power requests NRC consideration of this information as part of the continued review of the Hermes CPA.

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

Sincerely,



Peter Hastings, PE
Vice President, Regulatory Affairs and Quality

Enclosure: Letter from DOE to Kairos Power

xc (w/enclosure):

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