

March 2, 2022

Docket No. 50-7513

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

Subject: Kairos Power LLC
Transmittal of Responses to NRC Questions 2-3-22-Q17 on Hermes Preliminary Safety Analysis Report

References: 1. Email, Nuclear Regulatory Commission, Edward Helvenston to Darrell Gardner, "NRC Questions for February 9 Public Meeting," February 22, 2022, ML22034A991

This letter transmits a response to NRC question 17 provided in Reference 1 on the Kairos Power Hermes Test Reactor Preliminary Safety Analysis Report. Kairos Power requests NRC review of the response in support of continued review of the Hermes non-power test reactor construction permit application.

The response is provided as Enclosure 1 to this letter.

If you have any questions or need any additional information, please contact Margaret Ellenson at ellenson@kairospower.com or at (510) 755-1861, 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 March 2, 2022.



Peter Hastings, PE
Vice President, Regulatory Affairs and Quality

Enclosures:

- 1) Kairos Power Response to NRC Question Q17

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xc (w/enclosure):

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