



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

July 19, 2024

Mr. Peter Hastings
Vice President, Regulatory Affairs
Kairos Power LLC
707 W Tower Ave
Alameda, CA 94501

SUBJECT: SAFETY EVALUATION FOR THE KAIROS POWER LLC CONSTRUCTION
PERMIT APPLICATION FOR THE HERMES 2 NON-POWER TEST REACTOR
FACILITY (EPID NO. L-2023-CPS-0000)

Dear Mr. Hastings:

This letter is to inform you that the U.S. Nuclear Regulatory Commission (NRC) staff has completed the safety evaluation (SE) for the Kairos Power LLC (Kairos) construction permit application for the Hermes 2 non-power test reactor facility. Kairos's application was submitted by letter dated July 14, 2023 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML23195A121).

The enclosed SE is provided to Kairos for information and will be submitted to the Commission in preparation for the mandatory (uncontested) hearing. The SE has also been made public (ML24200A115). The NRC staff issuance of this SE does not constitute a commitment to issue the construction permit.

Sincerely,

Mohamed Shams, Director
Division of Advanced Reactors and Non-Power
Production and Utilization Facilities
Office of Nuclear Reactor Regulation

Docket Nos. 50-611
50-612

Enclosure:
As stated

SUBJECT: SAFETY EVALUATION FOR THE KAIROS POWER LLC CONSTRUCTION PERMIT APPLICATION FOR THE HERMES 2 NON-POWER TEST REACTOR FACILITY (EPID NO. L-2023-CPS-0000) DATED: JULY 19, 2024

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ADAMS Accession Nos.:

Pkg: ML24200A114

Letter: ML24200A117

Safety Evaluation: ML24200A115

***via e-mail**

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