



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

April 20, 2022

Mr. William Craig Conklin,
Associate Director for Infrastructure
Assessments and Analysis Cybersecurity
and Infrastructure Security Agency
U.S. Department of Homeland Security
1310 North Courthouse Road
Arlington, VA 22201

SUBJECT: ACCEPTANCE FOR DOCKETING OF THE HERMES NON-POWER TEST
REACTOR CONSTRUCTION PERMIT APPLICATION SUBMITTED BY KAIROS
POWER LLC AND REQUEST FOR THE DEPARTMENT OF HOMELAND
SECURITY CONSULTATION

Dear Mr. Conklin:

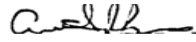
By letter to the U.S. Nuclear Regulatory Commission (NRC) dated September 29, 2021 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML21272A375), Kairos Power LLC (Kairos) submitted the safety analysis part of an application for a construction permit (CP) to build a non-power test reactor, pursuant to Title 10 of the Code of *Federal Regulations* (10 CFR) Part 50, "Domestic Licensing of Production and Utilization Facilities," and Section 104c of the Atomic Energy Act of 1954, as amended. The non-power test reactor is referred to as "Hermes" and the CP application anticipates that Kairos will build Hermes in Oak Ridge, Tennessee. By letter dated October 31, 2021 (ADAMS Accession No. ML21306A131), Kairos submitted the second part of its CP application by filing an Environmental Report for the Hermes test reactor. On November 29, 2021 (ADAMS Accession No. ML21319A354), the NRC accepted Kairos's CP application for docketing. The purpose of this letter is to inform you of the NRC staff's acceptance of this application, provide you with the application materials via Box, and request a consultation consistent with terms of the Memorandum of Understanding (MOU) between the Department of Homeland Security (DHS) and the NRC, dated December 19, 2011 (ADAMS Accession No. ML1135505081).

Per the MOU, before issuing a license for a utilization facility the NRC will request that DHS review and provide to the NRC comments on the vulnerabilities of the location of the proposed facility to a potential terrorist attack. DHS should note that the Kairos CP application provides siting information as required by NRC regulations for the Hermes site but does not contain the site's security plans. This information would typically be developed and provided by Kairos to the NRC at a later date in support of an application for an operating license. In its review of the Kairos CP, the NRC staff's security review is limited to whether the site characteristics allow for the development of adequate security plans and a physical protection program and site

protective strategy. A consultation review performed by DHS at this time will be used to inform the licensee's development of these site security plans and NRC's review of the Kairos application.

Should you or your staff have any questions, I can be reached by phone at (301) 415-1955 or by email at Anthony.Bowers@nrc.gov.

Sincerely,



Signed by Bowers, Anthony
on 04/20/22

Anthony Bowers, Chief
Reactor Security Branch
Division of Physical and Cyber Security Policy
Office of Nuclear Security and Incident Response

ACCEPTANCE FOR DOCKETING OF HERMES NON-POWER TEST REACTOR CONSTRUCTION
PERMIT APPLICATION SUBMITTED BY KAIROS POWER LLC AND REQUEST FOR DHS
CONSULTATION DATE April 20, 2022

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ADAMS Accession No.: Ltr ML22087A408

OFFICE	NSIR/DPCP/RSB	NSIR/DPCP/RSB		
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DATE	Mar 30, 2022	Apr 20, 2022		

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