

From: Cuadrado de Jesus, Samuel
Sent: Monday, April 4, 2022 11:43 AM
To: Darrell Gardner; Jim Tomkins
Cc: Beasley, Benjamin; Hayes, Michelle; Kennedy, William
Subject: Transmittal of NRC Staff Draft Safety Evaluation Regarding Kairos Power Regulatory Analysis Topical Report (KP-TR-004, Revision 4)

Kairos Power, LLC
707 W. Tower Ave
Alameda, CA 94501

Mr. Tomkins,

By letter dated January 24, 2019, (Agencywide Documents Access and Management System (ADAMS) Accession No. ML19024A483), as supplemented by letters dated October 31, 2019, November 23, 2020, August 19, 2021, and January 18, 2022 (ADAMS Accession Nos. ML19304C666, ML20328A234, ML21231A296, ML22018A161 respectively) Kairos submitted topical report (TR) KP-TR-004, "Regulatory Analysis for the Kairos Power Fluoride Salt-Cooled High Temperature Reactor," Revisions 1 through 4 for U.S. Nuclear Regulatory Commission (NRC) staff review. The NRC staff completed its review of the information submitted in Revision 4 of the TR and finds the TR acceptable for referencing in license applications subject to the limitations and conditions specified in the NRC staff draft safety evaluation (SE).

The NRC staff placed a copy of the draft SE in the box.com folder to which you and Darrell Gardner have access. Please review the draft SE for proprietary information. Pursuant to Section 2.390 of Title 10 of the *Code of Federal Regulations* (10 CFR), the NRC staff provides the draft SE for Kairos to identify any proprietary information within the draft SE. If you identify additional proprietary information in the draft SE, please mark the information line-by-line and define the basis pursuant to the criteria of 10 CFR 2.390. Use double brackets to identify any **[[proprietary information]]**. Please provide comments on any proprietary aspects of the draft SE within ten (10) business days of the date of this email. If the SE includes proprietary information, there will be both proprietary and non-proprietary versions of the SE, and the non-proprietary version will be made publicly available.

Both this email and the draft SE have been placed in ADAMS and made Official Agency Records. The draft SE is declared as nonpublic because it may contain proprietary information. This email is declared public.

If you have any questions, please feel free to contact me at 301-415-2946 or by email at samuel.cuadradojesus@nrc.gov.

Docket No./Project No.: 99902069

Regards,

Samuel Cuadrado de Jesús

Project Manager

Advanced Reactor Licensing Branch (UARL)

Division of Advanced Reactors and Non-Power Production and Utilization Facilities (DANU)

U.S. Nuclear Regulatory Commission

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