

**From:** [Cuadrado de Jesus, Samuel](#)  
**To:** [John Price](#)  
**Cc:** [Darrell Gardner](#)  
**Subject:** DRAFT SAFETY EVALUATION FOR KAIROS POWER, LLC TOPICAL REPORT KP-TR-007-NP, "QUALITY ASSURANCE PROGRAM FOR THE KAIROS POWER FLUORIDE SALT-COOLED HIGH TEMPERATURE REACTOR," REVISION 3  
**Date:** Tuesday, October 12, 2021 4:44:00 PM

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John,

By letter dated May 15, 2020 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML20136A414), Kairos Power, LLC (Kairos) submitted for U.S. Nuclear Regulatory Commission (NRC) staff review its topical report KP-TR-007-NP "Quality Assurance Program for the Kairos Power Fluoride Salt-Cooled High Temperature Reactor," Revision 0. As part of its review the NRC staff sent three sets of preliminary clarification questions to Kairos on September 18, 2020, October 29, 2020, and January 15, 2021 (ADAMS Accession Nos. ML20273A292, ML20311A231, and ML21025A053, respectively). By letter dated March 8, 2021 (ADAMS Accession No. ML21071A081), Kairos provided Revision 1 of KP-TR-007-NP, which contained changes as a result of the NRC staff's preliminary clarification questions, which were discussed in public meetings held on October 7, 2020; November 19, 2020; and February 5, 2021. In response to clarifications requested by the NRC staff during teleconferences held with Kairos on April 6 and April 21, 2021, Kairos submitted Revision 2 (ADAMS Accession No. ML21105A517) and Revision 3 (ADAMS Accession No. ML21117A046) of KP-TR-007-NP by letters dated April 15 and April 26, 2021, respectively. An additional clarification question was sent to Kairos on July 7, 2021 (ADAMS Accession No. ML21189A308) and discussed in a public meeting held on July 14, 2021. The following is a link to the NRC staff's draft safety evaluation (SE) for "Quality Assurance Program for the Kairos Power Fluoride Salt-Cooled High Temperature Reactor," Revision 3.

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Pursuant to Title 10 of the *Code of Federal Regulations* (10 CFR) 2.390 "Public inspections, exemptions, requests for withholding," the NRC staff provides the link to the draft SE for Kairos to identify any proprietary information within the draft SE. If you believe that any information in the enclosure is proprietary, please identify such information line-by-line and define the basis pursuant to the criteria of 10 CFR 2.390. Please provide comments on any proprietary aspects of the draft SE within twenty working days of the date of this letter. 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.

If you have any questions, please contact Samuel Cuadrado at [samuel.cuadradodejesus@nrc.gov](mailto:samuel.cuadradodejesus@nrc.gov).

Regards,

**Samuel Cuadrado de Jesús**

Project Manager

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