

April 11, 2024

Project No. 99902069

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

Subject: Kairos Power LLC
Approved Version of Instrument Setpoint Methodology for the Kairos Power Fluoride Salt-Cooled High-Temperature Reactor

References: 1. Letter, Kairos Power LLC to Document Control Desk, "Instrument Setpoint Methodology for the Kairos Power Fluoride Salt-Cooled High-Temperature Reactor, Revision 1," October 4, 2023 (ML23277A314)
2. Letter, Nuclear Regulatory Commission, "Kairos Power LLC – Final Safety Evaluation of Topical Report, 'Instrument Setpoint Methodology for the Kairos Power Fluoride Salt-Cooled High-Temperature,' Revision 1," April 4, 2024 (ML24091A005)

This letter submits the approved version of the Kairos Power topical report titled "Instrument Setpoint Methodology for the Kairos Power Fluoride Salt-Cooled High-Temperature Reactor." On October 4, 2023, Kairos Power submitted Revision 1 (Reference 1) of the topical report. On April 4, 2024, the NRC provided the final safety evaluation for this topical report (Reference 2).

Enclosure 1 provides the approved version of the non-proprietary report.

If you have any questions or need any additional information, please contact Michael Ellett at ellettmic@kairospower.com or (704) 247-6310, or Darrell Gardner at gardner@kairospower.com or (704) 769-1226.

Sincerely,



Peter Hastings, PE
Vice President, Regulatory Affairs and Quality

Enclosure:

- 1) Approved Version of Instrument Setpoint Methodology for the Kairos Power Fluoride Salt-Cooled High-Temperature Reactor

xc (w/enclosure):

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