

THE GRAINGER COLLEGE OF ENGINEERING

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June 13, 2022

Docket No.: 99902094

U.S. Nuclear Regulatory Commission ATTN: Document Control Desk Washington, D.C. 20555-0001

Subject: UIUC White Paper Submission, 'Utilizing a Class 104(c) Licensing Pathway for the Proposed UIUC Research & Test Reactor'

This letter accompanies the submission of the white paper titled, 'Utilizing a Class 104(c) Licensing Pathway for the Proposed UIUC Research & Test Reactor', which provides an overview of the licensing approach for UIUC's advanced test reactor. The objective of this White Paper is to document the justification for the selected licensing pathway of the UIUC's advanced RTR project. UIUC will be pursuing a Class 104(c) license as enabled by the Atomic Energy Act of 1954, as amended, the Nuclear Energy Innovation and Modernization Act (NEIMA), and the related Code of Federal Regulations, 10 CFR 50.21(c). This White Paper describes the planned use of the facility and its qualification to be licensed and to operate under a Class 104(c) license.

With this submission, UIUC requests NRC staff review of the document to facilitate mutual understanding on the applicability of the 104c license for the planned advanced test reactor. Communication with NRC staff is requested within 60 days to discuss the white paper contents and any concerns with the provided reasoning for pursuing a 104(c) license based on the stated reactor utilization being considered.

This white paper does not contain any commercially sensitive information and can be posted for unrestricted access by the public.

Questions or other requests related to this white paper should be directed to Caleb Brooks at csbrooks@illinois.edu or (217) 265-0519.

Sincerely,

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Enclosures:

1. 'Utilizing a Class 104(c) Licensing Pathway for the Proposed UIUC Research & Test Reactor,' White Paper, IMRDD-MMR-22-01, version 1

Cc:

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