



June 12, 2024

Docket No. 50-610

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555-0001

Subject: Abilene Christian University Construction Permit Application
Response to Request for Confirmatory Information

Abilene Christian University submitted a construction permit application for the Molten Salt Research Reactor on August 12, 2022 (ADAMS No. ML22227A201). On May 30, 2024, the Nuclear Regulatory Commission issued several Requests for Confirmation of Information (RCIs) to Abilene Christian University related to the construction permit application.

I confirm that the information in RCIs 4.2-1, 4.3-1, 4.3-2, 4.3-3, 4.3-4, 9.6-1 and RCI-PSAR-1 is correct.

To clarify RCI 4.3-5 item 1, for safety related nickel piping in the Fuel Handling System, ACU will utilize rules for Category M fluid service in B31.3. All welded joints will be fully examined with radiography / ultrasonic techniques consistent with B31.3, including 100% of circumferential butt and miter groove welds and of fabricated lap and branch connection welds. Other items in RCI 4.3-5 are correct.

If there are further questions, please contact a licensing manager at Benjamin.Beasley@acu.edu or Lester.Towell@acu.edu.

Recognizing that the RCIs and this response provide preliminary design information and that the final design may differ, I declare under penalty of perjury that the information is true and correct.

Executed on June 12, 2024.

Rusty Towell

Rusty Towell, PhD
Director of NEXT Lab

Cc: Richard Rivera, Project Manager, NRR Advanced Reactor Licensing Branch 2
Edward Helvenston, Project Manager, NRR Non-Power Production and Utilization Facility Licensing Branch
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