

September 9, 2020

U.S. Nuclear Regulatory Commission ATTN: Document Control Desk
One White Flint North 11555 Rockville Pike
Rockville, MD 20852-2738

SUBJECT: Argonne National Laboratory Submittal of the Accepted Version of the Program Plan for SFR Metallic Fuel Data Qualification Document Titled "Quality Assurance Program Plan for SFR Metallic Fuel Data Qualification ANL/NE-16/17-NP-A"

REFERENCE: 1. Letter from Benjamin Beasley (NRC) to Robert Hill (Argonne National Laboratory), "REQUEST FOR -A VERSION RE: FINAL SAFETY EVALUATION FOR ARGONNE NATIONAL LABORATORY "QUALITY ASSURANCE PROGRAM PLAN FOR SODIUM FAST REACTOR METALLIC FUEL DATA QUALIFICATION ANL/NE 16/17 REV 2," dated June 10, 2020 (ML20147A468)

By the Reference 1 letter dated June 10, 2020, the Nuclear Regulatory Commission (NRC) has indicated that ANL/NE 16/17 Revision 2 is acceptable for submittal of the "-A" version, and that the associated safety evaluation (SE) defines the basis for acceptance of the QAPP. Subsequently the NRC staff requested that ANL publish the applicable version of the final safety evaluation (SE) provided on April 29, 2020 (ADAMS Accession No. ML20106F242).

Accordingly, the enclosure to this letter provides the accepted version of the "Quality Assurance Program Plan for SFR Metallic Fuel Data Qualification", ANL/NE-16/17-NP-A.

If you have any questions, please feel free to contact at (630) 252-4865 bobhill@anl.gov if you have any questions.

Sincerely,



Dr. Robert N. Hill
National Technical
Director: Fast Reactor
RD&D Program
Argonne National Laboratory

Distribution: Benjamin Beasley, NRC
Lucieann Vechioli, NRC

Note: Pages 15-57 in ANL/NE-16/17, Rev. 2 mistakenly reflects incorrect header "ANL/NE-16/17, Rev. 1". The header should read "ANL/NE-16/17, Rev. 2". Section D in ANL/NE-16/17-NP-A reflects this revision.

Enclosure: "Quality Assurance Program Plan for SFR Metallic Fuel Data Qualification," ANL/NE-16/17-NP-A

- Section A: REQUEST FOR -A VERSION RE: FINAL SAFETY EVALUATION FOR ARGONNE NATIONAL LABORATORY "QUALITY ASSURANCE PROGRAM PLAN FOR SODIUM FAST REACTOR METALLIC FUEL DATA QUALIFICATION ANL/NE 16/17 REV 2," dated June 10, 2020 (ML20147A468)
- Section B: Final Safety Evaluation of ANL QAPP for SFR Metallic Fuel Data Qualification Letter from NRC to ANL (ML20106F242)
- Section C: Draft Safety Evaluation of ANL QAPP for SFR Metallic Fuel Data Qualification Letter from NRC to ANL (ML20054A297)
- Section D: Quality Assurance Program Plan for SFR Metallic Fuel Data Qualification ANL/NE-16/17, Rev. 2 (ML19311C506)
- Section E: RAIs regarding QAPP for the SFR Metallic Fuel Data Qualification (ML19263D939)
- Section F: RAIs email from NRC to ANL (ML19277F135)
- Section G: Request for NRC Assessment of the Quality Assurance Program Plan for SFR Metallic Fuel Data Qualification (ML19156A404)