



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

January 12, 2026

MEMORANDUM TO: Mahmoud Jardaneh, Chief
New Reactor Licensing Branch
Division of New and Renewed Licenses
Office of Nuclear Reactor Regulation

FROM: Getachew Tesfaye, Senior Project Manager
New Reactor Licensing Branch
Division of New and Renewed Licenses
Office of Nuclear Reactor Regulation

SUBJECT: AUDIT PLAN FOR THE STAFF REVIEW OF THE ROLLS-ROYCE SMALL MODULAR REACTOR (SMR) PRE-APPLICATION TOPICAL REPORTS AND WHITEPAPERS

A handwritten signature in black ink, appearing to read "Getachew Tesfaye".

Signed by Tesfaye
on 01/12/26

By letter dated July 9, 2025, Rolls-Royce SMR Limited (Rolls-Royce SMR) submitted a regulatory engagement plan, Revision 3 (Agencywide Documents Access and Management System Accession No. ML25239A005) for Pre-Application activities. The regulatory engagement plan describes the pre-application interactions Rolls-Royce SMR intends to have with the United States Nuclear Regulatory Commission (NRC) throughout the pre-application engagement phase for the Rolls-Royce SMR design. The staff audits material that may be needed to make a reasonable assurance finding that the design protects public health and safety.

The audit will begin on January 14, 2026, with an Entrance Meeting. The audit is being conducted primarily via the established Rolls-Royce Electronic Reading Room (when available) and at Rolls-Royce's offices in Reston, Virginia and United Kingdom. The U.S. NRC headquarters offices can also be used for hybrid (virtual/in-person) audit meetings, as appropriate. The contents of the audit plan are provided as an enclosure to this memorandum.

Docket No. 99902143

Enclosure:
Audit Plan

cc w/encl.: Rolls-Royce SMR

CONTACT: Getachew Tesfaye, NRR/DNRL
301-415-8013

SUBJECT: AUDIT PLAN FOR THE STAFF REVIEW OF THE ROLLS-ROYCE SMALL MODULAR REACTOR (SMR) PRE-APPLICATION TOPICAL REPORTS AND WHITEPAPERS
DATED: DECEMBER 12, 2025

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ADAMS Accession No.: ML26008A113 *via email NRR-106

OFFICE	DNRL/NRLB: PM	DNRL/NRLB: BC	DNRL/NRLB: PM
NAME	GTesfaye	MJardaneh *	GTesfaye
DATE	01/07/2025	01/09/2025	1/12/26

OFFICIAL RECORD COPY

**AUDIT PLAN FOR THE STAFF REVIEW OF THE ROLLS-ROYCE SMR (RR SMR) PRE-
APPLICATION TOPICAL REPORTS AND WHITEPAPERS**
DOCKET NO. 99902143

AUDIT PLAN

APPLICANT:

Rolls-Royce SMR (RR SMR)

CONTACTS:

Programme Manager: Francesco Pellegrino

DURATION:

January 14, 2026 – December 24, 2026

LOCATION:

**(via RR SMR Electronic Reading Room when available (eRR)
and hybrid (virtual/in-person))**

U.S. NRC Headquarters

One White Flint North
11545 Rockville Pike
Rockville, Maryland 20852-2738

Rollce-Royce North America

1900 Reston Metro Plaza, Suite 400
Reston, VA 20190

Rolls-Royce SMR, Jubilee House

4 Saint Christopher's Way
Pride Park, Derby, DE24 8JY
England, United Kingdom

NRC AUDIT TEAM:

Subject Matter Experts	NRC Office of Nuclear Reactor Regulation (NRR)
Mahmoud Jardaneh	Branch Chief, NRR/DNRL/NRLB
Getachew Tesfaye	Senior Project Manager, NRR/DNRL/NRLB
Scott Wall	Senior Project Manager, NRR/DORL/PLB3

Enclosure

I. BACKGROUND AND OBJECTIVES

By letter dated July 9, 2025, Rolls-Royce SMR Limited (Rolls-Royce SMR) submitted a regulatory engagement plan, Revision 3 (Agencywide Documents Access and Management System Accession No. ML25239A005) for Pre-Application activities. The regulatory engagement plan describes the pre-application interactions Rolls-Royce SMR intends to have with the United States Nuclear Regulatory Commission (NRC) throughout the pre-application engagement phase for the Rolls-Royce SMR design. The staff audits material that may be needed to make a reasonable assurance finding that the design protects public health and safety. If the NRC staff identifies information that is needed to support a finding, Rollce-Royce SMR is expected to submit the information on the application docket.

II. REGULATORY AUDIT BASIS

This regulatory audit is primarily based on Title 10 of the Code of Federal Regulations (10 CFR) Part 52, "Licenses, Certifications, and Approvals for Nuclear Power Plants."

III. REGULATORY AUDIT SCOPE

The audit covers all topical reports and white papers submitted during the pre-application phase of the Rolls-Royce SMR design

IV. INFORMATION AND OTHER MATERIAL NECCSSARY FOR THE REGULATORY AUDIT

Rollce-Royce SMR should be prepared to provide documents, reports, calculations, computer code verification, and other material, as applicable, supporting the analyses in topical reports and white papers. The NRC staff may request that Rollce-Royce SMR make these additional materials available in the eRR (when available) and/or as a computer disc to be submitted on the docket.

V SPECIAL REQUESTS

Rollce-Royce and NRC have discussed and agreed upon the following audit logistics:

- Rollce-Royce creates eRR portal for document viewing.
 - Rollce-Royce to set up access for NRC participants once the staff emails are communicated.
- The request for additional information (RAI) process will be used when:
 - completion of the response will extend past the audit close date
 - requested by Rollce-Royce SMR or NRC
- NRC will send formal RAI to Rollce-Royce SMR via email
- RAI clock starts on the day the question is sent
- Rollce-Royce SMR will respond to RAI questions:
 - Does the RAI contain proprietary, export control, or security related information?
 - Is clarification needed?

- Is the 30-day response timeline achievable?

Rollce-Royce SMR responses to RAIs will be submitted electronically to the NRC docket.

VI DELIVERABLES

The NRC audit team is expected to be composed of the above-listed project managers and technical reviewers depending on the topic of review. The NRC staff acknowledges the proprietary nature of the information requested and will handle it in accordance with agency policies and procedures throughout the audit. While the NRC staff will take notes, the NRC staff will not remove hard copies or electronic files from the audit site(s).

The audit started on January 14, 2026, and will end on December 24, 2026.

The NRC will inform Rollce-Royce SMR of emerging information needs as well as documents that can be removed from eRR.

The NRC will generate an audit report at the completion of the audit. The audit report will include a link for all docketed materials requested by the staff during the audit.

The NRC point of contact for communicating questions or comments related to the conduct of the audit is Mr. Getachew Tesfaye, who can be reached at 301-415-8013 or via email at Getachew.Tesfaye@nrc.gov.