



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

February 20, 2025

MEMORANDUM TO: Michelle W. Hayes, Chief  
Licensing and Regulatory Infrastructure Branch  
Division of New and Renewed Licenses  
Office of Nuclear Reactor Regulation

FROM: Emmanuel C. Sayoc, Project Manager  
Licensing and Regulatory Infrastructure Branch  
Division of New and Renewed Licenses  
Office of Nuclear Reactor Regulation

SUBJECT: AUDIT SUMMARY FOR THE REGULATORY AUDIT OF SMR, LLC (HOLTEC) LICENSING TOPICAL REPORT, "HOLTEC PSA RISK SIGNIFICANCE DETERMINATION METHODOLOGY LICENSING TOPICAL REPORT"

A handwritten signature in blue ink, appearing to read "Emmanuel C. Sayoc", is located to the left of the "Signed by" text.

Signed by Sayoc, Emmanuel  
on 02/20/25

This memorandum transmits the audit summary for the regulatory audit of SMR, LLC (Holtec) Licensing Topical Report (LTR), "Holtec PSA (Probabilistic Safety Assessment) Risk Significance Determination Methodology Licensing Topical Report."<sup>1</sup> This audit was announced via the publicly available audit plan.<sup>2</sup>

Representatives from the United Kingdom Office for Nuclear Regulation (ONR) observed the audit in accordance with the March 12, 2024, Memorandum of Cooperation Between the Canadian Nuclear Safety Commission, the ONR, and the U.S. Nuclear Regulatory Commission (NRC)<sup>3</sup>.

The audit was conducted in accordance with the guidance provided in the NRC Office Instruction LIC-111.<sup>4</sup>

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301-415-4084

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<sup>1</sup> SMR, LLC, "SMR, LLC, Holtec PSA Risk Significance Determination Methodology Licensing Topical Report," June 11, 2024, (Agencywide Document Access and Management System (ADAMS) Accession No. ML24163A399, part of package ML24163A397).

<sup>2</sup> U.S. NRC, "Audit Plan for the Regulatory Audit of SMR, LLC Submittal of Holtec PSA Risk Significance Determination Methodology Licensing Topical Report (Project No. 99902049)," August 6, 2024 (ML24211A226).

<sup>3</sup> U.S. NRC, "Memorandum of Cooperation On Advanced Reactor And Small Modular Reactor Technologies Among The United States Nuclear Regulatory Commission, The Canadian Nuclear Safety Commission And The United Kingdom Office For Nuclear Regulation," March 12, 2024, (ML24066A026).

<sup>4</sup> U.S. NRC, LIC-111, Revision 1, "Regulatory Audits," October 31, 2019 (ML19226A274).

The audit was conducted using the Holtec electronic reading room hosted on the Box online portal. The audit entrance and exit meetings were held on August 15, 2024 and October 8, 2024, respectively. The audit was officially closed on November 7, 2024. The audit summary report is provided in Enclosure 1 and the list of information needs and observations is included in Enclosure 2 to this letter.

Docket No. 99902049

Enclosures:

1. PSA Risk Significance Determination  
Methodology LTR Audit Summary Report
2. List of Information Needs/Observations

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 LICENSING TOPICAL REPORT, "HOLTEC PSA RISK SIGNIFICANCE  
 DETERMINATION METHODOLOGY LICENSING TOPICAL REPORT"  
 DATED: FEBRUARY 20, 2025

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