



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

November 18, 2024

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: U.S. NUCLEAR REGULATORY COMMISSION SUMMARY OF THE
SEPTEMBER 10, 2024, PREAPPLICATION PUBLIC MEETING
WITH SMR, LLC (A HOLTEC INTERNATIONAL COMPANY) TO
DISCUSS THE SMR-300 CORE DESIGN UPDATE AND NUCLEAR
ANALYSIS CODES AND METHODS VALIDATION AND
VERIFICATION PLAN

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

Signed by Sayoc, Emmanuel C.
on 11/18/24

The U.S. Nuclear Regulatory Commission (NRC) held a partially closed observation public meeting on September 10, 2024, with SMR, LLC (SMR), a Holtec International Company (Holtec), to discuss the SMR-300 Core Design Update and Nuclear Analysis Codes and Methods Validation and Verification Plan.^{1,2} SMR (Holtec) provided presentation slides to support the discussion during the public meeting.^{3,4} This meeting summary satisfies the SMR (Holtec) request for review and feedback on its preapplication meeting materials.

Contact: Manny Sayoc
301-415-4084

¹ Letter from A. Brenner to NRC, "SMR, LLC, Preapplication Meeting Materials for September 10, 2024," dated August 27, 2024, ML24240A255, part of package ML24240A254.

² Letter from A. Brenner to NRC, Enclosure 3, "SMR, LLC, Affidavit," dated August 27, 2024, (ML24240A258, part of ML24240A254).

³ Letter from A. Brenner to NRC, Enclosure 1, "SMR-300 Core Design Update and Nuclear Analysis Codes and Methods Validation & Verification Plan," dated August 27, 2024, (ML24240A257, part of ML24240A254).

⁴ Letter from A. Brenner to NRC, Enclosure 2, "SMR-300 Core Design Update and Nuclear Analysis Codes and Methods Validation & Verification Plan," dated August 27, 2024, Proprietary non-publicly available (ML24240A256, part of ML24240A254).

Representatives from the United Kingdom Office for Nuclear Regulation (ONR) observed the meeting as part of the March 12, 2024 Memorandum of Cooperation Between the Canadian Nuclear Safety Commission, the ONR, and the NRC.

Preapplication engagements, including this meeting, provide an opportunity for the NRC staff to engage in early discussions with a prospective applicant, offer licensing guidance, and identify potential licensing issues early in the process. No decisions or commitments were made during the preapplication meeting.

The NRC issued the public meeting notice on August 20, 2024, and posted it on the NRC public website.⁵

The open session attendees included staff from SMR (Holtec) and its contractors, the NRC, and the ONR, as well as members of the public. Following the NRC staff's opening remarks and introductions, SMR (Holtec) opened its presentation with the meeting agenda, purpose, and desired outcome of the meeting. The purpose was to present a high-level overview of the SMR-300 core design update and nuclear analysis codes and methods validation and verification plan. The desired outcome was to obtain feedback from the NRC staff on the approach for complying with the regulations and the timelines for required submittals. There were no questions or comments from the members of the public.

During the closed session the NRC staff, SMR (Holtec) and its contractors, and ONR participants discussed proprietary information. Because the entire discussion was proprietary, the summary of this discussion is also proprietary.

Enclosed are the meeting agenda (Enclosure 1), the list of attendees for the meeting (Enclosure 2), and proprietary summary of the closed portion of the meeting (Enclosure 3).

Docket No. 99902049

Enclosures:

1. Meeting Agenda
2. List of Attendees
3. Summary of Meeting (Proprietary)

cc w/encls.: Holtec Listserv

Enclosure 3 to this letter contains Proprietary information. When separated from Enclosure 3, this document is DECONTROLLED
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⁵ U.S. NRC, "09/10/2024 Public Observation Meeting on SMR-300 Core Design and Discuss Verification and Validation Plans," dated August 20, 2024 (ML24233A184).

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 CORE DESIGN UPDATE AND NUCLEAR ANALYSIS CODES AND METHODS
 VALIDATION AND VERIFICATION PLAN
 DATED: NOVEMBER 18, 2024

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ADAMS Accession Nos.:**Pkg: ML24297A271****Memo: ML24297A285****Enclosure 1: ML24297A287****Enclosure 2: ML24297A289****Enclosure 3: ML24297A290*****via e-concurrence****NRR-106**

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