



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

January 7, 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

A handwritten signature in blue ink, appearing to read "Emmanuel C. Sayoc", is located to the left of the text "Signed by Sayoc, Emmanuel" and above the text "on 01/07/25".

Signed by Sayoc, Emmanuel  
on 01/07/25

SUBJECT: U.S. NUCLEAR REGULATORY COMMISSION SUMMARY OF THE  
SEPTEMBER 23, 2024, PREAPPLICATION PUBLIC MEETING  
WITH SMR, LLC (A HOLTEC INTERNATIONAL COMPANY) TO  
DISCUSS MODULARITY DESIGN PHILOSOPHY

The U.S. Nuclear Regulatory Commission (NRC) held a partially closed observation public meeting on September 23, 2024, with SMR, LLC (SMR), a Holtec International Company (Holtec), to discuss the SMR-300 Modularity Design Philosophy.<sup>1</sup> SMR (Holtec) provided public and proprietary presentation slides to support the discussion during the meeting.<sup>2,3,4</sup> This meeting summary satisfies the SMR (Holtec) request for review and feedback on its preapplication meeting materials.

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

CONTACT: Emmanuel C. Sayoc, NRR/DNRL  
301-415-4084

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<sup>1</sup> Letter from A. Brenner to NRC, "SMR, LLC, Preapplication Meeting Materials for September 23, 2024 (Project No. 99902049)," dated September 11, 2024, ML24255A874, part of package ML24255A873.

<sup>2</sup> Letter from A. Brenner to NRC, Enclosure 1, "Enclosure 1: SMR, LLC Public Meeting Presentation Materials for September 23, 2024 (NP)," dated September 11, 2024, (ML24255A875, part of ML24255A873).

<sup>3</sup> Letter from A. Brenner to NRC, Enclosure 2, "SMR, LLC Proprietary Meeting Presentation Materials for September 23, 2024 (P)," dated September 11, 2024, Proprietary non-publicly available (ML24255A876, part of ML24255A873).

<sup>4</sup> Letter from A. Brenner to NRC, Enclosure 3, "Affidavit Pursuant to 10 CFR 2.390 to Withhold Information from Public Disclosure (NP)," dated September 11, 2024, (ML24255A877, part of ML24255A873).

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 and posted it on the NRC public website.<sup>5</sup>

The open session attendees included staff from SMR (Holtec) and its contractors, the NRC and 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 (Holtec) philosophy and plans for modularity of SMR-300's nuclear island structures, and to present timelines for future work and engagement with the NRC. The desired outcome was to identify any existing or forthcoming guidance applicable to SMR-300 modular structures and understand potential NRC review risks for SMR-300's modular designs. Holtec then outlined its motivations for pursuing structural modularity. There were no questions or comments from members of the public.

During the closed session the NRC staff, SMR (Holtec) and its contractors, and ONR participants discussed proprietary information.

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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<sup>5</sup> U.S. NRC, "09/23/2024 Public Observation Meeting to Discuss SMR-300 Modularity Design Philosophy" (ML24266A007).

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 SEPTEMBER 23, 2024, PREAPPLICATION PUBLIC MEETING WITH SMR,  
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 DESIGN PHILOSOPHY  
 DATED: JANUARY 7, 2025

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**ADAMS Accession Nos.:****Pkg: ML24337A198****Memo: ML24337A202****Enclosure 1: ML24337A201****Enclosure 2: ML24337A200****Enclosure 3: ML24337A199 (PRO)****\*via eConcurrence****NRR-106**

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<b>DATE</b>	12/10/2024	1/7/25	

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