



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

October 25, 2023

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

FROM: Gregory V. Cranston, Senior Project Manager */RA/*  
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 20, 2023, PREAPPLICATION PUBLIC  
MEETING WITH SMR, LLC (A HOLTEC INTERNATIONAL  
COMPANY) TO DISCUSS THE SMR-160 CONCEPT OF  
OPERATIONS AND SIMULATOR DEVELOPMENT

The U.S. Nuclear Regulatory Commission (NRC) held an observation public meeting on September 20, 2023, with SMR, LLC (SMR), a Holtec International Company (Holtec), to discuss preapplication information related to the concept of operation and intended implementation plan with regards to Human Factors Engineering efforts and development of a plant-referenced simulator.<sup>1</sup> Specifically, SMR (Holtec) requested the meeting to provide an overview of the concept of operations and discuss and receive NRC staff feedback on multi-unit simulator requirements for the SMR-160 design. SMR (Holtec) provided presentation slides for the public meeting.<sup>2,3</sup> This meeting summary satisfies the SMR (Holtec) request for review and feedback on its preapplication meeting materials.

CONTACT: Gregory Cranston, NRR/DNRL  
301-415-0546

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<sup>1</sup> Letter from A. Brenner, "SMR, LLC Preapplication Meeting Materials for September 20, 2023, Project No. 99902049," dated September 11, 2023, Agencywide Documents and Access Management System (ADAMS) Accession No. ML23254A365, part of ML23254A364.

<sup>2</sup> SMR, LLC, "Enclosure 2: SMR, LLC Meeting Presentation Materials for September 20, 2023," dated September 20, 2023, ML23254A367 – Public, part of ML23254A364.

<sup>3</sup> SMR, LLC, "Enclosure 1: SMR, LLC Meeting Presentation Materials for September 20, 2023," dated September 20, 2023, ML23254A366 – Proprietary, part of ML23254A364.

This virtual observation preapplication meeting had attendees from SMR (Holtec), NRC staff, and members of the public. The NRC staff and SMR (Holtec) discussed proprietary information during the closed session.

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

The NRC issued the public meeting notice on February 3, 2023, and posted it on the NRC public website.<sup>4</sup> The date of the meeting was subsequently changed.

Enclosed are the meeting agenda (Enclosure 1), list of attendees for the meeting (Enclosure 2), and a summary of the meeting (Enclosure 3). The closed portion of the meeting was not open to the public; however, a non-proprietary summary of the discussion is included in Enclosure 3.

Docket No. 99902049

Enclosures:

1. Meeting Agenda
2. List of Attendees
3. Summary of Meeting

cc: Holtec ListServ

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<sup>4</sup> U.S. NRC, "Preapplication Meeting with SMR, LLC (A Holtec International Company) regarding dual unit simulator fidelity to support the Construction Permit for the Holtec SMR-160 design," dated February 3, 2023 (ML23208A233).

SUBJECT: U.S. NUCLEAR REGULATORY COMMISSION SUMMARY OF THE SEPTEMBER 20, 2023, PREAPPLICATION PUBLIC MEETING WITH SMR, LLC (A HOLTEC INTERNATIONAL COMPANY) TO DISCUSS THE SMR-160 CONCEPT OF OPERATIONS AND SIMULATOR DEVELOPMENT DATED: OCTOBER 25, 2023

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**ADAMS Accession Nos.:**

**PKG: ML23292A255**

**MemoML23292A273**

**Enclosure 1: ML23292A270**

**Enclosure 2: ML23292A271**

**Enclosure 3: ML23292A272**

**\*via email**

**NRR-106**

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