



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

July 24, 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, 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 MAY 17, 2023, PREAPPLICATION PUBLIC MEETING WITH
SMR, LLC (A HOLTEC INTERNATIONAL COMPANY) TO
DISCUSS THE SMR-160 PROBABILISTIC SAFETY ANALYSIS
OVERVIEW

The U.S. Nuclear Regulatory Commission (NRC) held an observation public meeting on May 17, 2023, with SMR, LLC (SMR), a Holtec International Company (Holtec), to discuss preapplication information related to the SMR-160 design.¹ Specifically, SMR (Holtec) requested the meeting to provide a high-level overview of the SMR probabilistic safety analysis (PSA) modeling methodology to respond to a question the NRC asked at the May 5, 2023, design overview meeting related to the SMR-160 PSA. SMR provided the presentation slides, a gap assessment and a proprietary white paper to discuss at this public meeting.^{2,3} This meeting summary satisfies the SMR (Holtec) request for review and feedback on its preapplication meeting materials.

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

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¹ Letter from J. Hawkins, "SMR, LLC Preapplication Meeting Materials for May 17, 2023," dated May 11, 2023, Agencywide Documents and Access Management System (ADAMS) Accession No. ML23131A045, part of ML23131A044.

² SMR, LLC, "Enclosure 1 - SMR, LLC Meeting Presentation Materials for May 17, 2023," dated May 17, 2023, ML23131A047 (Public), ML23131A046 (Proprietary), part of ML23131A044.

³ SMR, LLC, "SMR-160 PSA Risk Significance Determination Methodology," dated February 18, 2022, ML23131A050 (Proprietary), part of ML23131A044.

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 November 25, 2022, and posted it on the NRC public website.⁴

Enclosed are the meeting agenda (Enclosure 1), list of participants 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 high-level 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

⁴ U.S. NRC, "05/17/2023 Preapplication Meeting with SMR, LLC (A Holtec International Company) regarding risk analysis to support the Construction Permit for the Holtec SMR-160 design," dated November 25, 2022, ML23032A403.

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DATED: JULY 24, 2023

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***via email**

NRR-106

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