



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

January 31, 2024

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

FROM: India S. Banks, Project Manager
Licensing and Regulatory Infrastructure Branch
Division of New and Renewed Licenses
Office of Nuclear Reactor Regulation

A handwritten signature in blue ink that reads "India S. Banks".

Signed by Banks, India
on 01/31/24

SUBJECT: U.S. NUCLEAR REGULATORY COMMISSION SUMMARY OF
THE NOVEMBER 8, 2023, PREAPPLICATION PUBLIC
MEETING WITH SMR, LLC (A HOLTEC INTERNATIONAL
COMPANY) TO DISCUSS THE SMR-160 UPDATE OF ITS
SOIL-STRUCTURE INTERACTION METHODOLOGY

The U.S. Nuclear Regulatory Commission (NRC) held an observation public meeting on November 8, 2023, with SMR, LLC (SMR), a Holtec International Company (Holtec), to discuss preapplication information related to the update of its Soil-Structure Interaction Methodology.¹ SMR (Holtec) first discussed its seismic analysis methodology to support the construction permit application of the SMR-160 design at a preapplication public meeting held on September 27, 2022.² SMR (Holtec) requested this meeting to discuss and receive NRC staff feedback on its questions related to this topic in its presentation materials and white paper.^{3, 4, 5, 6} In preparation for this meeting, the NRC staff provided SMR (Holtec) clarification questions (Enclosure 4), some of which were discussed during the meeting. This meeting summary satisfies the SMR (Holtec) request for review and feedback on its presentation materials.

CONTACT: India Banks, NRR/DNRL
301-287-0787

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- ¹ Letter from A. Brenner, "SMR, LLC Preapplication Meeting Materials for November 8, 2023 (Project No. 99902049)," dated October 28, 2023. (Agencywide Documents and Access Management System (ADAMS) Accession No. ML23301A003, part of ML23301A002).
- ² U.S. NRC, Meeting Summary "Enclosure 3 – 9-27-22 Meeting Summary of the Public Meeting with SMR, LLC, a Holtec International Company, to Discuss Seismic Analysis Methodology," dated October 3, 2022, (ML22263A065, part of ML22259A128).
- ³ SMR, LLC, Enclosure 1: "SMR, LLC Meeting Presentation Materials for November 8, 2023 (P)," dated November 8, 2023, (ML23301A004 – Proprietary, part of ML23301A002).
- ⁴ SMR, LLC, Enclosure 2: "SMR, LLC Meeting Presentation Materials for November 8, 2023 (NP)," dated November 8, 2023, (ML23301A005, part of ML23301A002).
- ⁵ SMR, LLC, Enclosure 3: "SSI Analysis Methodology White Paper (P)," dated November 8, 2023, (ML23301A006 – Proprietary, part of ML23301A002).
- ⁶ SMR, LLC, Enclosure 4: "SSI Analysis Methodology White Paper (NP)," dated November 8, 2023, (ML23301A007, part of ML23301A002).

This hybrid observation preapplication meeting had attendees from SMR (Holtec) and its contractor SC Solutions, NRC staff, and members of the public. The NRC staff, SMR (Holtec), and SC Solutions 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 August 23, 2023, and posted it on the NRC public website.⁷

Enclosed are the meeting agenda (Enclosure 1), list of attendees for the meeting (Enclosure 2), the summary of the meeting (Enclosure 3), and questions the NRC staff sent to SMR (Holtec) prior to the meeting (Enclosure 4). 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
4. NRC Staff Questions

cc w/enclosure: Holtec ListServ

⁷ U.S. NRC, "Preapplication Meeting with SMR, LLC (A Holtec International Company) regarding SMR 160+ Update on Soil-Structure Interaction (SSI) Methodology," dated November 3, 2023, (ML23307A026).

SUBJECT: U.S. NUCLEAR REGULATORY COMMISSION SUMMARY OF THE NOVEMBER 8, 2023, PREAPPLICATION PUBLIC MEETING WITH SMR, LLC (A HOLTEC INTERNATIONAL COMPANY) TO DISCUSS THE SMR-160 UPDATE OF ITS SOIL-STRUCTURE INTERACTION METHODOLOGY DATED: JANUARY 31, 2024

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PKG: ML23339A038

Memo: ML23339A041

Enclosure 1: ML23339A042

Enclosure 2: ML23339A043

Enclosure 3: ML23339A050

Enclosure 4: ML23339A051

***via econcurrence**

NRR-106

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