



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

October 16, 2023

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".

Signed by Sayoc, Emmanuel
on 10/16/23

SUBJECT: U.S. NUCLEAR REGULATORY COMMISSION SUMMARY OF THE
JULY 26, 2023, PREAPPLICATION PUBLIC MEETING WITH SMR,
LLC (A HOLTEC INTERNATIONAL COMPANY) TO DISCUSS
INSTRUMENTATION AND CONTROL DEFENSE-IN-DEPTH AND
DIVERSITY EVALUATIONS

The U.S. Nuclear Regulatory Commission (NRC) held an observation public meeting on July 26, 2023, with SMR, LLC (SMR), a Holtec International Company (Holtec), to discuss preapplication information related to the instrumentation and control defense-in-depth and diversity (D3) evaluations for the SMR-160 design.¹ SMR (Holtec) provided presentation slides and a white paper (SMR (Holtec) proprietary document JEXK-0143-1048-P(R0)) to discuss during the public meeting.^{2,3,4,5} 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, (Holtec), NRC staff, and members of the public. During the closed session of the meeting, SMR (Holtec) and NRC staff discussed proprietary information.

CONTACT: Emmanuel (Manny) Sayoc, NRR/DNRL
301-415-4084

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- ¹ Letter from J. Hawkins, "SMR, LLC Preapplication Meeting Materials for July 26, 2023 (Project No. 99902049)," dated July 13, 2023, Agencywide Documents and Access Management System (ADAMS) Accession No. ML23194A057, part of ML23194A056.
 - ² SMR, LLC, "Enclosure 1: SMR, LLC Meeting Presentation Materials for July 26, 2023," dated July 13, 2023, ML23194A058, part of ML23194A056 (Proprietary Not Publicly Available).
 - ³ SMR, LLC, "Enclosure 2, "SMR, LLC, Meeting Presentation Materials for July 26, 2023" dated July 13, 2023, ML23194A059, part of ML23194A056.
 - ⁴ SMR, LLC, "Enclosure 3: JEXK-0143-1048-P, "Diversity Evaluation Based on NUREG/CR-6303," dated July 31, 2023, ML23194A060, part of ML23194A056 (Proprietary Not Publicly Available).
 - ⁵ SMR, LLC, "Enclosure 4, "Affidavit Pursuant To 10 CFR 2.390" dated July 13, 2023, ML23194A061, part of ML23194A056.

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 1, 2023, and posted it on the NRC public website.⁶

Enclosed are the meeting agenda (Enclosure 1), list of participants for the meeting (Enclosure 2), and a summary of the meeting (Enclosure 3). A high-level summary of the closed session is provided in Enclosure 3.

Docket No. 99902049

Enclosures:

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

cc: Holtec ListServ

⁶ U.S. NRC, "07/26/2023 Preapplication Meeting with SMR, LLC (A Holtec International Company) regarding instrumentation and control diversity and defense-in-depth (D3) assessment and coping analysis to support the Construction Permit for the Holtec SMR-160 design," dated June 16, 2023, ML23167A008.

SUBJECT: U.S. NUCLEAR REGULATORY COMMISSION SUMMARY OF THE JULY 26, 2023, PREAPPLICATION PUBLIC MEETING WITH SMR, LLC (A HOLTEC INTERNATIONAL COMPANY) TO DISCUSS INSTRUMENTATION AND CONTROL DEFENSE-IN-DEPTH AND DIVERSITY EVALUATIONS DATED: OCTOBER 16, 2023

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***via email**

NRR-106

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NAME	CLauron	SGreen*	MHayes	MSayoc
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