



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

December 13, 2022

MEMORANDUM TO: Michael I. Dudek, Chief
New Reactor Licensing Branch
Division of New and Renewed Licenses
Office of Nuclear Reactor Regulation

FROM: Carolyn Lauron, Project Manager */RA/*
New Reactor Licensing Branch
Division of New and Renewed Licenses
Office of Nuclear Reactor Regulation

SUBJECT: U.S. NUCLEAR REGULATORY COMMISSION SUMMARY OF
THE NOVEMBER 16, 2022, PREAPPLICATION PUBLIC
MEETING WITH SMR, LLC (HOLTEC) TO DISCUSS THE
SMR-160 PASSIVE CONTAINMENT HEAT REMOVAL SYSTEM
DESIGN

The U.S. Nuclear Regulatory Commission (NRC) held a preapplication public meeting on November 16, 2022, with SMR, LLC (SMR), a Holtec International Company, to discuss the SMR-160 passive containment heat removal (PCHR) system design. Specifically, SMR (applicant) requested the meeting to provide a high-level overview of the design of the SMR-160 PCHR system design and to obtain feedback from the NRC staff on whether the applicant is appropriately interpreting the requirements in General Design Criterion (GDC) 40 as described in a White Paper, HI-2220836, Revision 0, "SMR-160 GDC 40 Compliance White Paper."^{1, 2, 3}

This virtual preapplication meeting had attendees from SMR, LLC, Holtec International, LLC, the NRC staff, and members of the public.

CONTACT: Carolyn Lauron, NRR/DNRL
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¹ SMR, LLC, "Preapplication Meeting Materials for November 16, 2022 (Project No. 99902049)," Agencywide Documents and Access Management System (ADAMS) Accession No. ML22305A499, part of ADAMS Package ML22305A497.

² Title 10 of the *Code of Federal Regulations*, Appendix A, "General Design Criteria for Nuclear Power Plants," GDC 40, "Testing of containment heat removal system."

³ SMR-LLC, HI-2220836, "SMR-160 GDC 40 Compliance White Paper," Revision 0ML22305A500, part of ADAMS Package ML22305A497.

The NRC issued the public meeting notice on October 27, 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).

Docket No. 99902049

Enclosures:

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

cc: Holtec Listserv

⁴ U.S. NRC, "11/16/2022 Preapplication Meeting with SMR, LLC (A Holtec International Company) regarding a potential exemption to containment heat removal testing to support the Construction Permit for the SMR-160 design," dated August 16, 2022, ADAMS Accession No. ML22259A071.

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LLC (HOLTEC) TO DISCUSS THE SMR-160 PASSIVE CONTAINMENT HEAT
REMOVAL SYSTEM DESIGN DATED: DECEMBER 13, 2022

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ADAMS Accession Nos.:**PKG: ML22305A691****Memo: ML22305A694****Enclosure 1: ML22305A697****Enclosure 2: ML22305A696****Enclosure 3: ML22305A695*****via email****NRR-106**

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