



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

September 30, 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, Sr. 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 SEPTEMBER 13, 2022, PREAPPLICATION PUBLIC
MEETING WITH SMR, LLC TO DISCUSS QUESTIONS
REGARDING CONTROL ROD DRIVE SYSTEM

The U.S. Nuclear Regulatory Commission (NRC) held a preapplication public meeting on September 13, 2022, with SMR, LLC (SMR), a Holtec International Company, to discuss questions regarding the control rod drives system (CRDS) to support the construction permit application for the SMR-160 design. Specifically, SMR (applicant) requested the meeting to provide the staff with a high-level overview of the SMR-160 CRDS design and the associated Standard Review Plan Section 3.9.4 testing requirements and to discuss acceptable analytical methods that can be used in lieu of prototype testing, and industry experience and plant referenced designs that preclude the use of analytical methods.^{1,2}

This virtual preapplication meeting had attendees from SMR, LLC, Holtec International, LLC, and the NRC staff. No members of the public participated in the meeting.

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¹ SMR, LLC, "Preapplication Materials for September 13, 2022 (Project No. 99902049," dated September 13, 2022. Agencywide Documents and Access Management System (ADAMS) Accession No. ML22256A019.

² U.S. NRC, NUREG-0800, "Standard Review Plan for the Review of Safety Analysis Reports for Nuclear Power Plants: LWR Edition (NUREG-0800, Formerly issued as NUREG-75/087)," Chapter 3, "Design of Structures, Components, Equipment, and Systems," Section 3.9.4, "Control Rod Drive Systems," ML16133A472.

The NRC issued the public meeting notice on August 16, 2022, and posted it on the NRC public website.³

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

³ U.S. NRC, "9/13/2022 Notice of Preapplication Meeting with Holtec International, LLC, regarding control rod drive system to support the Construction Permit for the SMR-160 design," dated August 16, 2022. (ML22242A185)

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 THE SEPTEMBER 13, 2022, PREAPPLICATION PUBLIC MEETING WITH
 SMR, LLC TO DISCUSS QUESTIONS REGARDING CONTROL ROD DRIVE
 SYSTEM. DATED: SEPTEMBER 30, 2022

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ADAMS Accession Nos.:

PKG: ML22252A181

Memo: ML22252A182

Enclosure 1: ML22252A183

Enclosure 2: ML22252A193

Enclosure 3: ML22252A194

***via email**

NRR-106

OFFICE	NRR/DNRL/NRLB	NRR/DNRL/NRLB	NRR/DNRL/NRLB	NRR/DNRL/NRLB
NAME	CLauron	SGreen	MDudek	CLauron
DATE	09/30/2022	09/30/2022	09/30/2022	09/30/2022

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Revised 08/15/2022

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