



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

October 3, 2022

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

FROM: Carolyn L. 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 27, 2022, PREAPPLICATION PUBLIC  
MEETING WITH SMR, LLC REGARDING SEISMIC ANALYSIS  
METHODOLOGY

The U.S. Nuclear Regulatory Commission (NRC) held a preapplication public meeting on September 27, 2022, with SMR, LLC (SMR), a Holtec International Company, to discuss its seismic analysis methodology to support the construction permit application for the SMR-160 design. Specifically, SMR (applicant) requested the meeting to provide an overview of the proposed method of analysis for the seismic design of SMR-160 plant, including the use of a non-linear soil model. Additional topics for discussion include the design basis ground motion for the SMR-160 site and the input soil parameters used to inform the standard plant design.<sup>1</sup>

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

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<sup>1</sup> SMR, LLC, "SMR, LLC Preapplication Meeting Materials for September 27, 2022 (Project No. 99902049)," dated September 23, 2022. Agencywide Documents and Access Management System (ADAMS) Accession No. ML22266A126.

The NRC issued the public meeting notice on August 16, 2022, and posted it on the NRC public website.<sup>2</sup>

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

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<sup>2</sup> U.S. NRC, "09/27/2022 Preapplication Meeting with SMR, LLC (a Holtec International Company) regarding its Seismic Methodology to support the Construction Permit for the SMR-160 design," dated August 16, 2022, ML22265A082.

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SEPTEMBER 27, 2022, PREAPPLICATION PUBLIC MEETING WITH SMR, LLC  
REGARDING SEISMIC ANALYSIS METHODOLOGY  
DATED: OCTOBER 3, 2022

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**ADAMS Accession Nos.:**

**PKG: ML22259A128**

**Memo: ML22259A130**

**Enclosure 1: ML22259A129**

**Enclosure 2: ML22263A064**

**Enclosure 3: ML22263A065**

**\*via email**

**NRR-106**

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

**OFFICIAL RECORD COPY**

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Revised 08/15/2022

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