



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

April 21, 2023

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

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

SUBJECT: U.S. NUCLEAR REGULATORY COMMISSION SUMMARY OF  
THE FEBRUARY 21, 2023, PREAPPLICATION PUBLIC  
MEETING WITH SMR; LLC (A HOLTEC INTERNATIONAL  
COMPANY) TO DISCUSS THE SMR-160 CHAPTER 15  
ANALYSIS

The U.S. Nuclear Regulatory Commission (NRC) held an observation public meeting on February 21, 2023, with SMR, LLC (SMR), a Holtec International Company (Holtec), to discuss preapplication information related to the SMR-160 Chapter 15 analysis.<sup>1</sup> Specifically, SMR (Holtec) requested the meeting to receive NRC staff feedback on the SMR-160 deterministic safety analysis codes and methods described in its presentation slides.<sup>2, 3</sup> The meeting was originally scheduled for February 15, 2023, and was rescheduled due to conflicts.

This virtual observation preapplication meeting had attendees from SMR (Holtec), the NRC staff, and members of the public. A closed session was conducted between the NRC staff and SMR (Holtec) to discuss proprietary information.

CONTACT: Carolyn Lauron, NRR/DNRL  
301-415-2736

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<sup>1</sup> Letter from J. Hawkins, "SMR, LLC, Submittal of Preapplication Meeting Materials for February 15, 2023," dated January 18, 2023, Agencywide Documents and Access Management System (ADAMS) Accession No. ML23018A010, part of ML23018A009.

<sup>2</sup> SMR, LLC, "SMR, LLC, NRC Meeting: Deterministic Safety Analysis Codes and Methods Overview," dated February 15, 2023, ML23018A012 - Public, part of ML23018A009.

<sup>3</sup> SMR, LLC, "SMR, LLC, NRC Meeting: Deterministic Safety Analysis Codes and Methods Overview," dated February 15, 2023, ML23018A011 – Proprietary, part of ML23018A009.

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 a public meeting notice on December 7, 2022, and posted it on the NRC public website.<sup>4</sup>

Enclosed are the meeting agenda (Enclosure 1), list of participants for the meeting (Enclosure 2), and a summary of the meeting (Enclosure 3). A non-proprietary summary of the discussion during the closed session is included in Enclosure 3.

Docket No. 99902049

Enclosures:

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

cc w/enclosures: Holtec ListServ

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<sup>4</sup> U.S. NRC, "02/21/2023 Preapplication Meeting with SMR, LLC ( A Holtec International Company) regarding transient and accident analysis methods to support the Construction Permit for the SMR-160 design," dated December 7, 2022, ML23040A254.

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CHAPTER 15 ANALYSIS. DATED: APRIL 21, 2023

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**ADAMS Accession Nos.:****PKG: ML23019A270****Memo: ML23019A276****Enclosure 1: ML23019A275****Enclosure 2: ML23019A273****Enclosure 3: ML23019A271****\*via email****NRR-106**

OFFICE	NRR/DNRL/NRLB	NRR/DNRL/NRLB	NRR/DNRL/NRLB	NRR/DNRL/NRLB
NAME	CLauron	SGreen	MHayes*	CLauron
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