



SMR, LLC. A Holtec International Company
Krishna P. Singh Technology Campus, 1 Holtec Blvd., Camden, NJ 08104
Telephone (856) 797-0900
Fax (856) 797-0909

October 8, 2026

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555-0001

Subject: Holtec International – Submittal of the SMR-300 Time-Domain LS-DYNA Soil Structure Interaction Analysis Methodology Licensing Topical Report Audit Question Responses Necessary for Docket Submission (Project No. 99902049)

References:

1. SMR, LLC Submittal of SMR-300 Time-Domain LS-DYNA Soil Structure Interaction Analysis Methodology Licensing Topical Report (Project No. 99902049), dated November 26, 2025
2. Email from NRC to P. Lashley, "Topical Report Completeness Determination for Report Number HI-2251837 Revision 0," dated January 22, 2026

By letter dated November 26, 2025 (ML25330A197, released on December 2, 2025), SMR, LLC, a Holtec International Company (Holtec), submitted Licensing Topical Report (LTR) HI-2251837, Revision 0, "SMR-300 Time-Domain LS-DYNA Soil Structure Interaction Analysis Methodology Licensing Topical Report" (Reference 1) to the U.S. Nuclear Regulatory Commission (NRC). By email dated January 22, 2026 (ML26022A028), the NRC accepted the LTR for review (Reference 2).

The purpose of this letter is to provide responses to NRC audit questions and associated changes to the LTR supporting those responses to assist the NRC staff review.

Enclosure 1 contains the proprietary NRC audit questions, Holtec responses, and associated markups to LTR Revision 0 (Non-Public Version). Enclosure 2 contains the corresponding non-proprietary version of Enclosure 1 (Public Version).

Enclosure 1 contains proprietary information, and Holtec requests that such information be withheld from public disclosure in accordance with the affidavit provided in Enclosure 3.

If you have any questions or require any additional information, please contact Jacob Dolecki, Senior Manager – Licensing & Engineering Program, jdolecki@holtec.com or 856-797-0900.



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Respectfully,

Jacob (Jake)
Dolecki

Digitally signed by Jacob (Jake)
Dolecki
DN: cn=Jacob (Jake) Dolecki, c=US,
o=Holtec International, ou=SMR,
email=j.dolecki@holtec.com
Date: 2026.10.08 09:28:45 -04'00'

Jacob Dolecki
Senior Manager – Licensing & Engineering Program
Holtec International

Enclosures:

1. SSI LTR Audit Question Responses for docketing (Proprietary)
2. SSI LTR Audit Question Responses for docketing (Non-Proprietary)
3. Affidavit Pursuant to 10 CFR 2.390 to Withhold Information from Public Disclosure

CC:

K. Manzione (Holtec, Executive Director of Licensing & Regulatory Affairs)
M. Hayes (USNRC, DNRL, NLIB, Branch Chief)
V. Huckabay (USNRC, DNRL, NLIB, Senior Project Manager)
A. Johnson (USNRC, DNRL, NLIB, Project Manager)