



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

August 26, 2024

Mr. Andrew Brenner  
Director of Licensing, SMR  
Holtec International  
1 Holtec Boulevard  
Camden, NJ 08104

**SUBJECT: FINAL SAFETY EVALUATION FOR THE "TOPICAL REPORT ON THE QUALITY ASSURANCE PROGRAM FOR HOLTEC INTERNATIONAL'S SMALL MODULAR REACTOR (SMR) DESIGN AND CONSTRUCTION" (EPID NO. L-2023-TOP-0049)**

Dear Mr. Brenner:

By letter dated September 28, 2023, Holtec International, Small Modular Reactor (SMR), LLC (hereafter referred to as Holtec) submitted HI-2230815, Revision 0, "Topical Report [(TR)] on the Quality Assurance Program [(QAP)] for Holtec International's Small Modular Reactor (SMR) Design and Construction," (hereafter referred to as SMR LLC QAP TR). (Agencywide Document Access Management Systems (ADAMS) Accession Package No. ML23271A007).

By email transmittal dated October 26, 2023, the U.S. Nuclear Regulatory Commission (NRC) staff accepted the SMR LLC QAP TR (ML23297A006). The NRC staff provided information needs (ML24022A077) and held a public meeting with Holtec on January 26, 2024 (ML24039A003) to discuss the NRC staff's initial review. The NRC staff provided a revised information needs (ML24079A078) and held a second public meeting with Holtec on March 27, 2024 (ML24107B151), to further discuss the NRC staff's review. By letter dated April 19, 2024, Holtec submitted Revision 1 of the SMR LLC QAP TR for NRC staff to review (ML24110A088). Subsequently, the NRC staff held a third public meeting with Holtec on May 31, 2024 (ML24152A002), to discuss any remaining items. By letter dated June 3, 2024, Holtec submitted Revision 2 of the SMR LLC QAP TR for NRC staff to review (ML24155A285). By email transmittal dated July 29, 2024, the NRC staff shared the draft safety evaluation (SE) with Holtec (ML24163A004).

The enclosed final SE is being provided to Holtec, because the NRC staff has found SMR LLC QAP TR, Revision 2, acceptable for referencing in licensing actions to the extent specified and under limitations and conditions delineated in the TR. The final SE defines the basis for the NRC staff's acceptance of the TR.

The NRC staff requests that Holtec publish an approved version of this TR within 3 months of receipt of this letter. The approved version should incorporate this letter and the enclosed SE after the title page. The approved version should include a "-A" (designating approved) following the TR identification symbol.

If you have any questions, please contact India Banks via by email at [India.Banks@nrc.gov](mailto:India.Banks@nrc.gov).

Sincerely,

A handwritten signature in cursive script that reads "Michelle Hayes".

Signed by Hayes, Michelle  
on 08/26/24

Michelle Hayes, Chief  
Licensing and Regulatory Infrastructure Branch  
Division of New and Renewed Licenses  
Office of Nuclear Reactor Regulation

Docket No. 99902049

Enclosure:  
Final Safety Evaluation

cc w/encl.: Holtec GovDelivery

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**ADAMS Accession Nos.:****Package: ML24228A054****Letter: ML24228A060****Enclosure: ML24228A061****\*via eConcurrence NRR-106**

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