

21 November 2025

Project No. 99902035

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

Subject: Studsvik Scandpower, Inc. Response to Request for Additional Information by the Office of Nuclear Reactor Regulation on Supplement 1, Studsvik SSP-14-P01/028 Core Management System Topical Report

References:

- [1] Request for Additional Information by the Office of Nuclear Reactor Regulation Supplement 1, SSP-14-P01/028 Core Management System Topical Report Revision Studsvik Scandpower, 29 September 2025. [ML25252A199]
- [2] SSP-14/P01-028-TR-S1, Revision 0, “Generic Application of the Studsvik Scandpower Core Management System to Pressurized Water Reactors: Supplement for Extended Enrichment, Burnup, and SMRs,” January 2025. [ML25028A256]
- [3] SSP-14/P01-028-TR-P-A, Revision 0, “Generic Application of the Studsvik Scandpower Core Management System to Pressurized Water Reactors,” September 2017. [ML17279A986]

Studsvik Scandpower is submitting the subject Response to Request for Additional Information [1] on Topical Report Supplement 1 [2] prepared to extend the range of applicability of the CMS5 Generic PWR Topical Report SSP-14-P-01/028-TP-A [3] for higher enrichment, higher burnup, and stated applicability to light water pressurized Small Modular Reactors (SMRs).

The enclosed document containing the Response to RAI’s for Topical Report Supplement 1 contains information deemed non-proprietary by Studsvik Scandpower, Inc. As such, there is no “-P” version nor affidavit to withhold information from the public included in the transmittal.

For any questions or concerns, please contact me at telephone: 910 880 5668, or email: phil.sharpe@studsvik.com

Thank you and best regards,

Phil Sharpe
VP Applications

Enclosures:

1. Responses to Request for Additional Information: Topical Report SSP-14-P01/028-TR-S1, Generic Application of the Studsvik Scandpower Core Management System to Pressurized Water Reactors: Supplement for Extended Enrichment, Burnup, and SMRs (Non-Proprietary)

Cc: (without enclosures)

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