



Long Mott Energy, LLC
221 H. H. Dow Way
Midland, MI 48674

4 December 2025

2025-PLM-NRC-015

Docket No. 50-614

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

**Subject: Supplement #3 to the Preliminary Safety Analysis Report for the Long Mott
Generating Station Construction Permit Application**

References:

- 1) Long Mott Energy, LLC, 2025, "Long Mott Generating Station Construction Permit Application," 2025-PLM-NRC-003, March 31, 2025 (ML25090A057)
- 2) U.S. Nuclear Regulatory Commission, 2025, "Acceptance for Docketing of the Long Mott Generating Station Construction Permit Application," May 12, 2025 (ML25115A247)
- 3) Long Mott Energy, LLC, 2025, "Supplement #2 to the Preliminary Safety Analysis Report for the Long Mott Generating Station Construction Permit Application," 2025-PLM-NRC-013, November 20, 2025 (ML25324A307)

Long Mott Energy, LLC (LME), hereby submits the enclosed Supplement #3 to the Preliminary Safety Analysis Report (PSAR) for the Long Mott Generating Station (LMGS) Construction Permit Application.

PSAR Supplement # 2 provided additional site-specific information related to flooding analyses in PSAR Sections 2.4.2 through 2.4.5 and 2.4.10 (related to flooding) (Reference #3). This PSAR Supplement #3 (Enclosure 1) provides a redlined markup of PSAR Table 2.0-1, "Long Mott Generating Station (LMGS) Site Characteristics" to reflect the updated information provided in PSAR Supplement #2. For clarity, LME still intends to submit additional site-specific information related to PSAR Section 2.5 (related to geology/seismology) by the end of 2025, and PSAR Section 2.4.12 (related to groundwater) by the end of second quarter 2026, and will submit incremental updates to PSAR Table 2.0-1 with those future supplements.

"Clean" pages reflecting the enclosed site-specific analyses and associated information are expected to be included in a future revision of the entire Reference 1.



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This letter contains no commitments. Should you have any questions or require additional information, please contact Jessica Maddocks at jmaddocks@x-energy.com.

I declare under penalty of perjury that the foregoing is true and accurate. Executed on this 4th day of December 2025.

Sincerely,

DocuSigned by:

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Charles R. O'Connor
Sr. Director, Engineering and Projects
Long Mott Energy, LLC

Enclosures:

1. Relined markup of PSAR Table 2.0-1, "Long Mott Generating Station (LMGS) Site Characteristics"



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cc:

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