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Docket No. 50-614

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

Subject: Supplement #1 to the Environmental 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)

In accordance with 10 CFR 51.45(a), Long Mott Energy, LLC (LME), hereby submits the enclosed Supplement #1 to the Environmental Report (ER) for the Long Mott Generating Station (LMGS) Construction Permit Application submitted as Enclosure 3 to Reference 1.

This supplement consists of a redlined markup of certain pages of Section 5.13 of the ER. The markup reflects supplemental information being provided to resolve the following:

- An inconsistency between Preliminary Safety Analysis Report (PSAR) Chapter 3, "Methodologies, Analyses and Licensing Basis Events", and ER Chapter 5, "Environmental Impacts of Station Operation", regarding seismic event evaluation. Specifically, ER Table 5.13.1-1, "Design Basis Accidents," on page 5.13-14 of the ER inadvertently indicated that the PSAR did not evaluate hypothetical seismic design basis accidents (DBA), whereas the PSAR in fact included such an evaluation. ER Table 5.13.1-1 now correctly reflects that information and states that the analysis results are presented in the ER. Those results (which match the results originally presented in PSAR Table 3.6.12-3) are now also provided in ER Table 5.13.1-11 and a line for the seismic DBA has been added to the DBA summary table in the ER, Table 5.13.1-12. The "SMALL" environmental impact conclusion for hypothetical DBAs, as presented on ER page 5.13-3, is not affected by this supplemental information.
- Replacing the event acronym 'LD-DBA' throughout ER Section 5.13 with 'LD-LBE'. As shown in the PSAR, the large depressurization (LD) event is not a DBA; updating the acronym better reflects event categorization. The activity and dose results previously presented in ER Tables 5.13.1-11 and 5.13.1-12, which also incorrectly suggested that the LD event was a DBA, have been removed and replaced by the seismic DBA results, as noted above. The impact information for the LD event continues to be presented appropriately in ER Table 5.13.2-1, for Severe Accidents, which now reflects the new acronym.

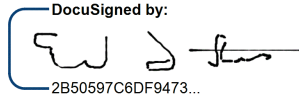
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"Clean" pages reflecting the enclosed supplemental information are expected to be included in a future revision of the entire Reference 1.

Sincerely,

DocuSigned by:

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Edward Stones

Aug/29/2025

President, Long Mott Energy, LLC

Enclosure:

Enclosure 1 LMGS ER Supplement #1

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Enclosure 1

LMGS ER Supplement #1

Long Mott Energy, LLC