



Docket No. 50-0614

Date: December 5, 2025

LME Response to NRC RAI No. WNR-1

NRC RAI Letter No. ML25307A005 Dated November 6, 2025.

Regulatory Basis:

Long Mott Energy submitted an Environmental Report (ER), ML25090A063, as part of its CP application in accordance with 10 CFR Part 51, "Environmental Protection Regulations for Domestic Licensing and Related Regulatory Functions." The Nuclear Regulatory Commission's (NRC) regulations at 10 CFR Part 51, which implement Section 102(2) of the National Environmental Policy Act (NEPA) of 1969, include requirements for applicants to provide information as may be useful in aiding the NRC staff in complying with NEPA, and other federal consultation obligations such as Section 106 of the NHPA and Section 7 of the Endangered Species Act and the Clean Air Act (CAA).

REQUIREMENT: 10 CFR 51.45(c) requires that the ER includes a description of the affected environment, contains sufficient data to aid the Commission in its development of an independent analysis, and an analysis that considers and balances the environmental effects of the proposed action. Per NRC Regulatory Guide 4.2, this should include:

- A description of impacts to the land resulting from generation, handling and disposal of nonradioactive waste during building of the project. The description should include a general description of onsite waste expected to be generated, including types and approximate quantities.

RAI No: WNR-1

Please provide an estimate of the quantities of non-hazardous waste that will be generated during the construction of the LMGS.



LME Response:

During the construction phase, LME estimates that an average of 16 roll off containers (40-cubic yard capacity) of construction debris (concrete, brick/block, mortar, wood, etc) and 49 roll off containers (40-cubic yard capacity) of general office waste would be shipped to an approved landfill annually, averaging approximately two (2) roll off containers of waste shipped per week. It is assumed that metal is collected and recycled. Scrap metal does not meet the definition of a solid waste per 40 CFR 261.4(a)(13); therefore, it is not included in this estimate.

Responder: Stephanie Yazzie

Reviewer: Robert Baldwin, Milton Gorden and Mark Feltner