



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

January 29, 2026

**E-MAIL ONLY**

Adam Brame  
Interagency Cooperation  
Branch Chief, Acting  
Southeast Regional Office  
U.S. National Marine Fisheries Service

SUBJECT: REQUEST FOR CONCURRENCE WITH ENDANGERED SPECIES ACT  
DETERMINATIONS FOR THE LONG MOTT GENERATING STATION  
PROPOSED CONSTRUCTION PERMIT IN CALHOUN COUNTY, TEXAS  
(IPAC PROJECT CODE 2025-0115594) (DOCKET NUMBER: 50-614)

Dear Adam Brame:

With this email, the U.S. Nuclear Regulatory Commission (NRC) requests the U.S. National Marine Fisheries Service's (NMFS) written concurrence with the NRC staff's determinations pursuant to Section 7 of the Endangered Species Act of 1973, as amended (ESA), concerning federally listed species that may be affected by the proposed action on the Long Mott Generating Station (LMGS) site in Calhoun County, Texas. This letter includes information explaining and supporting this request.

Proposed Federal Action

The NRC's proposed Federal action is to decide whether to issue a construction permit (CP) to Long Mott Energy, LLC (LME) under Title 10 of the *Code of Federal Regulations* (10 CFR) Part 50 that would allow the construction of a nuclear power station as part of the LMGS. This proposed action was initiated by LME's submittal of a CP application by letter dated March 31, 2025 ([ML25090A057](#)). LME is required to apply for a separate operating license (OL) under 10 CFR 50 for authorization to operate the proposed LMGS. The NRC would perform an additional environmental review for that OL application.

LME is a wholly owned subsidiary of GWN Holding, LLC, which is a wholly owned subsidiary of the Dow Chemical Company. LME proposes to build the LMGS on an approximately 1,537 acres (622 hectares) in Calhoun County, Texas, adjacent to the existing Seadrift Operations facility, owned and operated by the Union Carbide Corporation, an affiliate of the Dow Chemical Company. The LMGS would consist of four 200 megawatt thermal (80 megawatt electrical) Xe-100 reactor modules, two turbine-generator sets, air-cooled condensers, and auxiliary facilities. The Xe-100 reactor is a high-temperature gas-cooled reactor using TRistructural ISotropic (TRISO) fuel.

Environmental Assessment (EA)

In support of its environmental review of the proposed action, the NRC staff is preparing an EA to comply with the National Environmental Policy Act of 1969, as amended (NEPA). The EA will address the environmental impacts of the proposed action and the reasonable alternatives to the proposed action. In support of this concurrence request, the NRC staff is providing NMFS with an early copy of the EA. The EA contains the staff's biological assessment, as well as other supporting information. Information relevant to the proposed action can be found in the following sections of the EA.

**Section 1.1 and Section 2** describe the proposed action, including the purpose, duration, timing, and associated activities that would be carried out under the proposed CP.

**Section 3.7** describes the terrestrial ecology of the site and surrounding area.

**Section 3.6** describes the aquatic ecology of the site and surrounding area.

**Appendix E** includes the NRC staff's biological assessment for ESA-protected species and critical habitats.

#### Request for Concurrence

The NRC staff requests your written concurrence with its "may affect, not likely to adversely affect" (NLAA) determinations for the green sea turtle (*Chelonia mydas*) North Atlantic DPS, Kemp's ridley sea turtle (*Lepidochelys kempii*), loggerhead sea turtle (*Caretta caretta*) Northwest Atlantic DPS, and giant manta ray (*Manta birostris*).

Additionally, the NRC staff requests your written conference concurrence with its NLAA determination for the proposed green sea turtle critical habitat (Unit TX01).

Please provide your response electronically to the following email addresses: [EndangeredSpecies.Resource@nrc.gov](mailto:EndangeredSpecies.Resource@nrc.gov) and [Shannon.Healy@nrc.gov](mailto:Shannon.Healy@nrc.gov). If you have any questions regarding information in this letter, please contact me by phone at (301) 415-6714 or via email at [Shannon.Healy@nrc.gov](mailto:Shannon.Healy@nrc.gov).

Sincerely,



Signed by Healy, Shannon  
on 01/29/26

Shannon Healy, Environmental Scientist  
Environmental Technical Review Branch 1  
Division of Rulemaking, Environmental,  
and Financial Support  
Office of Nuclear Material Safety  
and Safeguards

Docket No. 50-614

cc: GovDelivery

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DATED: {{date}}

**DISTRIBUTION:**

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**ADAMS Accession Number: ML26005A230**

**\*via email**

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