



Department of Energy

Washington, DC 20585

May 18, 2026

Jeff Bartelme
Senior Director of Regulatory Affairs
SHINE Technologies
3400 Innovation Ct.
Janesville, WI 53546

Subject: U.S. Department of Energy, Office of Energy Dominance Financing, Completion of Environmental Review for a Proposed Federal Loan Guarantee to SHINE Technologies, LLC

Dear Mr. Bartelme:

As provided in a letter to you dated, February 27, 2026, the U.S. Department of Energy (DOE), Office of Energy Dominance Financing (EDF) may provide Federal financial assistance (i.e., a loan or loan guarantee) under Title XVII of the Energy Policy Act of 2005 (“Title XVII”) Public Law 109–58, title XVII (2005), as amended; 42 U.S.C. 16511 et seq. is considering whether to issue Federal financial assistance to SHINE Technologies, LLC (SHINE, Applicant) pursuant to its authority for the SHINE Medical Isotope Production Facility (Chrysalis, the Project) located on a 91-acre site in Janesville, Rock County, Wisconsin.

The Project includes completion of the Chrysalis nuclear production facility to produce various medical isotopes, including Molybdenum-99 (Mo-99), used within diagnosis and treatment of disease. Construction of the facility is approximately 75% complete including the main production facility, storage building, and material staging and resource buildings. Additionally, most mechanical, electrical and plumbing systems have been installed while procurement and fabrication of a significant number of internal equipment process systems have been completed.

EDF, in coordination with SHINE, identified the following environmental reviews and consultations are required by the applicable and relevant environmental statutes and Executive Orders (Eos) associated with its proposed Federal financial support:

1. Section 7 of the Endangered Species Act (16 USC 1536)
2. Section 106 of the National Historic Preservation Act (54 USC 306108)
 - a. Executive Order 13175, Consultation and Coordination With Indian Tribal Governments

EDF has completed the environmental reviews and consultation associated with the Project, as summarized below.

Section 7, Endangered Species Act (16 USC 1536)

In accordance with Section 7 of the Endangered Species Act, DOE EDF generated an official US Fish and Wildlife Service species list in the Information for Planning and Consultation (IPaC) website on December 9, 2025 (USFWS project code 2026-0004462). Six (6) threatened, endangered, or proposed for listing species were identified as having potential to occur in the project area.

DOE EDF concluded that its Section 7 responsibilities were fulfilled and achieved through previous consultations conducted for the Project by the U.S. Nuclear Regulatory Commission and the U.S. Department of Energy, National Nuclear Security Administration (DOE-NNSA) in 2013 and 2015 as well as the recently run IPAC and DKEY (USFWS project code 2026-0004462). Section 7 consultation completed by the NRC and DOE NNSA is the same scope of the Project under consideration by the DOE EDF and concluded a “No Effect” determination. Additionally, the updated IPAC and DKey run by DOE EDF received a “No Effect” determination due to the lack of critical habitat and absence of known occurrences of the species in the vicinity of the Project.

Section 106, National Historic Preservation Act (54 USC 306108)

In accordance with the National Historic Preservation Act (NHPA), in December 2025, DOE EDF initiated consultation with the Wisconsin State Historic Preservation Officer (SHPO) and 12 Federally recognized Native American Tribes (Tribes) that may have interest in the Project area, including:

- 1) Citizen Potawatomi Nation, Oklahoma,
- 2) Forest County Potawatomi Community, Wisconsin,
- 3) Fort Belknap Indian Community of the Fort Belknap Reservation of Montana,
- 4) Ho-Chunk Nation of Wisconsin,
- 5) Lac Vieux Desert Band of Lake Superior Chippewa Indians of Michigan,
- 6) Little Traverse Bay of Odawa Indians, Michigan,
- 7) Match-E-Be-Nash-She-Wish Band of Pottawatomi Indians of Michigan,
- 8) Menominee Indian Tribe of Oklahoma,
- 9) Miami Tribe of Oklahoma,
- 10) Osage Nation,
- 11) Prairie Band Potawatomi Nation, and
- 12) Winnebago Tribe of Nebraska.

DOE's consultation package indicated a Finding of No Historic Properties Affected, consistent with 36 CFR § 800.4(d)(1), and met the documentation standards for a Finding of No Historic Properties Affected in accordance with 36 CFR § 800.11(d).

On January 21, 2026, the Wisconsin SHPO concurred with DOE EDF's Findings of No Historic Properties Effected for the Project. Additionally, comment letters were received from the Match-E-Be-Nash-She-Wish Band of Pottawatomi Indians of Michigan and the Winnebago Tribe of Nebraska on January 26, 2026, and February 17, 2026, respectively. Both Tribes indicated they had no comments regarding the Project at this time.

Conclusion

DOE EDF notes that SHINE is responsible for obtaining permits, approvals, and/or authorizations required for the construction and operation for the Project.

With this letter, DOE EDF confirms that it has completed the environmental reviews and consultations required by the applicable and relevant environmental statutes and EO's associated with its proposed Federal financial support.

Sincerely,

Alicia Williamson
Senior Environmental Manager
Office of Energy Dominance Financing

cc: Julie Kozeracki, Acting Chief Investment Officer and Nuclear Vertical Lead
Todd Stribley, Director, EDF Environmental Program
John Carroll, EDF Deal Team Lead