



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

June 15, 2026

Mr. Chris Wagner,
Chief Operating Officer,
Eden Radioisotopes, LLC
9400 Holly Ave. NE, Suite 202
Albuquerque, NM 87122

SUBJECT: EDEN RADIOISOTOPES, LLC – ACCEPTANCE FOR DOCKETING OF
CONSTRUCTION PERMIT APPLICATION

Dear Mr. Wagner:

The purpose of this letter is to inform you that the U.S. Nuclear Regulatory Commission (NRC) staff has determined that the subject application is acceptable for docketing and contains sufficient information for the staff to initiate detailed technical review. In addition, the NRC staff has reviewed the associated request for the reduced hourly rate for advanced nuclear reactor applicants established by the (Accelerating Deployment of Versatile, Advanced Nuclear for Clean Energy (ADVANCE) Act and fiscal year (FY) 2025 final fee rule and determined that the application review qualifies for the reduced hourly rate. This letter includes the planned review schedule and resource estimate for the review.

By letter dated May 5, 2026 (Agencywide Documents Access and Management System (ADAMS) Package Accession No. ML26125A060), Eden Radioisotopes, LLC (Eden) submitted an application to the NRC under Title 10 of the *Code of Federal Regulations* (10 CFR) Part 50, "Domestic Licensing of Production and Utilization Facilities," and section 103 of the Atomic Energy Act of 1954, as amended, requesting approval of a construction permit (CP) for the Eden Isotope Production Complex (EIPC) in Lea County, New Mexico.

This letter is issued in accordance with 10 CFR Section 2.815, "Docketing and Acceptance Review," and Nuclear Reactor Regulation Office Instruction LIC-117, "Acceptance Review Process for New Nuclear Facility Licensing Application" (ML20283A188). The purpose of an acceptance review under 10 CFR 2.815, is to determine whether the application is complete and acceptable for docketing, such that the NRC staff can conduct a detailed technical review.

The NRC staff has completed its acceptance review of the CP application in accordance with the agency's regulations. During the acceptance review, the NRC staff identified topics that will require early focus or submittal of additional information to ensure timely completion of the review. These topics relate to items identified in the pre-application readiness assessment observations dated May 15, 2025 (ML25115A140). Additionally, the NRC staff identified missing information related to the geotechnical subsurface investigation of the Eden Medical Isotope Facility (EMIF) used to characterize the in-situ soil stratigraphy and engineering properties and to verify consistency with the regional subsurface data. Eden confirmed its plan to make the subsurface geotechnical investigation information available for NRC staff review by February 1, 2027.

Based on its review and the applicant's commitment to provide the missing geotechnical information, the NRC staff determined that the application contains sufficient information in accordance with 10 CFR 2.101, "Filing of application," 10 CFR 50.33, "Contents of applications; general information," 10 CFR 50.34, "Contents of application; technical information," and 10 CFR 51.56, "Environmental report—non-power production or utilization facility," for the NRC staff to begin its detailed technical review and that the application is acceptable for docketing. The NRC staff took these items into consideration when developing the review schedule.

The table below provides key milestones for the safety and environmental reviews.

Review Milestones	Estimated Completion Dates
Draft Environmental Assessment (EA)	April 2027
Draft Safety Evaluation (SE) ¹	May 2027
Advance SE ²	August 2027
Final EA	June 2027
Final SE	October 2027

Notes:

1. Safety Evaluation sections drafted and information gaps identified.
2. Safety Evaluation Report without open items.

The NRC staff estimates that the detailed technical review will require approximately 11,500 billable staff hours and \$650,000 in contracted support to complete.

A notice of acceptance for docketing will be published by the Office of the *Federal Register*.

The NRC staff also reviewed the request for confirmation of eligibility for the reduced hourly rate for advanced nuclear reactor applicants established by the ADVANCE Act and FY 2025 final fee rule, which was included with the construction permit application (ML26125A066). In accordance with 10 CFR 170.20(c)(2), the staff evaluated whether the proposed reactor design meets the Nuclear Energy Innovation and Modernization Act (NEIMA) definition of a qualifying application for an "advanced nuclear reactor", which is defined as "a nuclear fission reactor or fusion machine . . . with significant improvements compared to commercial nuclear reactors under construction as of the date of enactment of this Act [January 14, 2019]". The staff compared key safety features of the EIPC reactor to those of commercial reactors under construction as of January 14, 2019 and determined that the EIPC reactor incorporates inherent safety features, including the use of uranium foils within aluminum cladding, which eliminates certain fuel failure mechanisms and hydrogen generation risks present in conventional designs. Furthermore, the EIPC reactor does not require forced coolant flow to maintain cladding integrity during normal operations. Based on these safety enhancements and the submittal of a CP application for an advanced nuclear reactor, the NRC staff has determined that the application meets the definition of a qualifying application under 10 CFR 170.3 and is eligible for the reduced hourly rate.

C. Wagner

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If you have any questions or comments about this matter, please contact me at (301) 415-1080, or via email at Andrew.Miller@nrc.gov.

Sincerely,



Signed by Miller, Andrew
on 06/15/26

Andrew Miller, Project Manager
Advanced Reactor Licensing Branch 3
Division of Advanced Reactor Licensing
Office of Advanced Reactors

Docket No. 50-619

cc w/enclosure: GovDelivery Subscribers

SUBJECT: EDEN RADIOISOTOPES, LLC – ACCEPTANCE FOR DOCKETING OF
CONSTRUCTION PERMIT APPLICATION DATED: JUNE 15, 2026

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