



## Department of Energy

Washington, DC 20585

January 8, 2026

MEMORANDUM FOR ROBERT BOSTON

MANAGER

IDAHO OPERATIONS OFFICE

FROM:

JULIA C. SHENK **JULIA SHENK** Digitally signed by JULIA SHENK  
Date: 2026.01.08 16:12:06 -05'00'  
HEADQUARTERS CERTIFYING OFFICIAL  
DIRECTOR  
OFFICE OF PACKAGING AND TRANSPORTATION

SUBJECT:

Issuance of Quality Assurance Program Approval 0048

Attached is the Department of Energy (DOE) Quality Assurance Program (QAP) Approval, Approval Number 0048, Revision 0 (initial issue), for Standard Nuclear, Inc. (SN), in response to your request and the SN QAP submitted by Michael McNulty on January 6, 2026. This approval is based on independent review by the DOE Packaging Certification Program (PCP) of the SN *Quality Assurance Program Description*, DCID # SNI-10000-PDD-00001, Revision # 04.00, December 9, 2025, and is limited to the following package activities in accordance with DOE Certificate of Compliance No. 9315 for the Model ES-3100 and its safety analysis report for packaging (*Safety Analysis Report for Packaging, Y-12 National Security Complex, Model ES-3100 Package with Bulk HEU Contents*, SP-PKG-801940-A001 000 04, Chapter 7):

- 7.2 Package Unloading - Receipt of Package from Carrier and Removal of Contents
- 7.3 Preparation of Empty Package for Transport

PCP's independent review resulted in findings, as detailed via email sent to Chase Hartzell (DOE-Idaho) on January 8, 2026. This DOE QAP Approval is conditional upon satisfactory closure of the findings within 30 days. This approval satisfies DOE Order 460.1D, *Hazardous Materials Packaging and Transportation Safety*, and therefore complies with the provisions in 49 CFR 173.7(d) for DOE to maintain packaging standards equivalent to those specified in 10 CFR Part 71.

The expiration date of DOE Approval Number 0048, Revision 0, is February 8, 2026. If you wish to renew, revise or terminate approval of QAP Approval 0048, please request this action in writing. Any revisions to SNI-10000-PDD-00001, except for spelling corrections and non-substantive changes to punctuation or editorial items, must be submitted and approved by DOE PCP prior to implementation of the proposed changes.

If you have any questions, please contact me or Christopher Cable at (240) 315-4901 or [christopher.cable@em.doe.gov](mailto:christopher.cable@em.doe.gov).

Attachment: QAPA 0048

cc: Michael McAnulty, DOE-ID  
Chase Hartzell, DOE-ID  
Donald Gustafson, Standard Nuclear, Inc.  
Christopher Cable, DOE EM-4.24  
QA Docket 2026-002



U.S. Department of Energy  
QUALITY ASSURANCE PROGRAM APPROVAL  
For Type B and Fissile Radioactive Material Packages

1. APPROVAL NUMBER  
**0048**

REVISION  
0

Pursuant to DOE Order 460.1D, *Hazardous Materials Packaging and Transportation Safety*, subparagraph 4.a.(3), *Quality Assurance (QA)* directs that each Departmental element that participates in the use, design, purchase, fabrication, handling, shipping, storing, cleaning, assembly, inspection, testing, operation, maintenance, repair, and modification of Type B or fissile materials packaging must have and maintain a quality assurance (QA) program in accordance with 10 CFR Part 71, Subpart H that is approved by the NRC or the DOE Certifying Official, prior to the performance of those operations. The Contractors Requirements Document in Attachment 1 of Paragraph 5.a. of the Order imposes the same requirement on DOE contractors. Based on the reliance on statements and representations heretofore made in Block 5 by the organization named in Block 2, the Quality Assurance Program Description identified in Block 5 is hereby approved. This approval is issued to satisfy the requirements of the Order, 49 CFR 173.7.(d), and 10 CFR 71.101. This approval is subject to all applicable rules, regulations, and orders of the U.S. Department of Energy now or hereafter in effect and to any conditions specified below.

2. ORGANIZATION NAME

Standard Nuclear, Inc. (Contractor to DOE-ID) for use at SN-0

3. EXPIRATION DATE

February 8, 2026

STREET ADDRESS

200 Europia Avenue

4. DOCKET NUMBER

CITY

Oak Ridge

STATE

TN

ZIP CODE

37830

2026-002

5. QUALITY ASSURANCE PROGRAM DESCRIPTION, REVISION, and DATE

*Quality Assurance Program Description*, DCID # SNI-10000-PDD-00001, Revision # 04.00, December 9, 2025.

6. CONDITIONS

- Activities conducted regarding Type B and fissile material transportation packagings are to be executed under applicable criteria of 10 CFR Part 71 Subpart H. Authorized activities include package unloading (receipt of package from carrier and removal of contents) and preparation of empty package for transport.
- Records shall be maintained in accordance with the provisions of 10 CFR Part 71. Specifically:
  - Records of each shipment of licensed material shall be maintained for 3 years after that shipment [10 CFR 71.91(a)].
  - Records providing evidence of packaging quality shall be maintained for 3 years after the life of the packaging [10 CFR 71.91(d)].
  - Records describing activities affecting packaging quality shall be maintained for 3 years after this Quality Assurance Program Approval is terminated [10 CFR 71.135].
- Planned and periodic audits of all aspects of the Quality Assurance Program shall be conducted in accordance with written procedures or checklists, by appropriately trained personnel not having direct responsibility in the areas being audited, in accordance with 10 CFR 71.137.
- In addition to the requirements of Subparts G and H of 10 CFR 71, and except as specified in Section 5(d), "Conditions," of applicable Certificates of Compliance, each package must be designed, fabricated, acceptance tested, operated, and maintained in accordance with applicable Safety Analysis Report for Packaging requirements; specifically, Chapter 7, "Operating Procedures," Chapter 8, "Acceptance Tests and Maintenance Program," and Chapter 9, "Quality Assurance."

FOR THE U.S. DEPARTMENT OF ENERGY

SIGNATURE

JULIA  
SHENK

Digitally signed by JULIA  
SHENK  
Date: 2026.01.08  
16:12:44 -05'00'

DATE OF ISSUANCE

1/8/2026

Julia C. Shenk  
DOE Headquarters Certifying Official  
Director, Office of Packaging and Transportation