



Department of Energy
Washington, DC 20585

December 7, 2018

MEMORANDUM FOR ROGER E. SNYDER
MANAGER
PACIFIC NORTHWEST SITE OFFICE

FROM: JOANNE D. LORENCE 
HEADQUARTERS CERTIFYING OFFICIAL
DIRECTOR
OFFICE OF PACKAGING AND TRANSPORTATION

SUBJECT: Renewal of Department of Energy Quality Assurance
Program Approval Number 0016

Attached is Department of Energy (DOE) Quality Assurance Program (QAP) Approval Number 0016, Revision 1, for the Pacific Northwest National Laboratory (PNNL), in response to your request to Dr. James Shuler of my staff dated July 19, 2018, as supplemented September 27, 2018, and November 27, 2018. This approval is issued based on independent review by the DOE Packaging Certification Program of PNNL's *Hazardous Materials Transportation and Packaging Quality Assurance Plan*, EPRP-HMTP-005, Revision 2, dated August 30, 2018.

This DOE QAP 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 0016, Revision 1, is October 31, 2023. If you wish to renew, revise, or terminate approval of QAP Approval 0016, please request this action in writing. Any revisions to EPRP-HMTP-005, except for spelling corrections and nonsubstantive changes to punctuation or editorial items, shall be submitted and approved by the DOE Packaging Certification Program prior to implementation of the proposed changes.



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

1. APPROVAL NUMBER
0016

REVISION
 1

Pursuant to DOE Order 460.1D, *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
 Pacific Northwest National Laboratory

3. EXPIRATION DATE
 October 31, 2023

STREET ADDRESS
 902 Battelle Boulevard, P.O. Box 999

4. DOCKET NUMBER
 2010-008

CITY
 Richland

STATE
 WA

ZIP CODE
 99352

5. QUALITY ASSURANCE PROGRAM DESCRIPTION, REVISION, and DATE
Hazardous Materials Transportation and Packaging Quality Assurance Plan, EPRP-HMTP-005, Revision 2, August 30, 2018

6. CONDITIONS

1. 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: design, procurement, fabrication, assembly, testing, modification, maintenance, repair and use of transportation packagings.
2. Records shall be maintained in accordance with the provisions of 10 CFR Part 71. Specifically:
 - a. Records of each shipment of licensed material shall be maintained for 3 years after that shipment [10 CFR 71.91(a)].
 - b. Records providing evidence of packaging quality shall be maintained for 3 years after the life of the packaging [10 CFR 71.91(d)].
 - c. Records describing activities affecting packaging quality shall be maintained for 3 years after this Quality Assurance Program Approval is terminated [10 CFR 71.135].
3. 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.
4. 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

DATE OF ISSUANCE

12/07/2018

Joanne D. Lorence
 DOE Headquarters Certifying Official
 Director, Office of Packaging and Transportation