



Department of Energy
Washington, DC 20585

July 10, 2020

MEMORANDUM FOR GEOFFREY L. BEAUSOLEIL
MANAGER
NNSA PRODUCTION OFFICE

FROM:

JULIA C. SHENK

Julia C. Shenk

Digitally signed by Julia C.
Shenk
Date: 2020.07.10 13:33:13
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HEADQUARTERS CERTIFYING OFFICIAL
DIRECTOR

OFFICE OF PACKAGING AND TRANSPORTATION

SUBJECT: Renewal of CNS Quality Assurance Program Plan

Attached is Department of Energy (DOE) Quality Assurance Program (QAP) Approval Number 0019, Revision 3, for Consolidated Nuclear Security, LLC, (CNS) in response to the request from Jim Anderson to Dr. James M. Shuler, dated June 29, 2020. This approval is based on DOE Packaging Certification Program (PCP) endorsement of the National Nuclear Security Administration (NNSA) Certifying Official (CO) approval, dated June 26, 2020, of CNS *Packaging and Transportation Quality Assurance Program Plan (QAPP)*, QAP-Y-91-273860-1000, Revision 17.

This DOE QAP Approval satisfies DOE Order 460.1D, *Hazardous Materials Packaging and Transportation Safety*, and therefore complies with the provisions of 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 0019, Revision 3, is July 31, 2025. If you wish to renew, revise, or terminate approval of the QAP Approval 0019, please request this action in writing. Please provide written notification to my office of any changes to the status of your approval by the NNSA CO.

This approval memorandum also serves as a reminder that the Order requires that for offsite transportation each Departmental element that uses a Type B or fissile package certified by DOE must register with the Headquarters Certifying Official prior to first use of the package. Refer to the following URL for registration instructions: <https://rampac.energy.gov/home/package-certification-information/guidance/doe-guidance>.

If you have any questions, please contact me or Dr. Shuler at (301) 903-5513.

cc: Thomas Spatz, NA-NPO-10
Jim Anderson, CNS Y12
James Shuler, EM-4.24



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

1. APPROVAL NUMBER 0019
REVISION 3

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 Consolidated Nuclear Security, LLC (for Y-12 National Security Complex)			3. EXPIRATION DATE July 31, 2025
STREET ADDRESS P.O. Box 2009			4. DOCKET NUMBER 2014-002
CITY Oak Ridge	STATE TN	ZIP CODE 37831	

5. QUALITY ASSURANCE PROGRAM DESCRIPTION, REVISION, and DATE
DOE approval based on endorsement of NNSA CO approval, dated June 26, 2020, of CNS Packaging and Transportation Quality Assurance Program Plan QAP-Y-91-273860-1 000, Revision 17.

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: design, procurement, fabrication, assembly, testing, modification, maintenance, repair and use of transportation packagings.
 - 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 C. Shenk Digitally signed by Julia C. Shenk Date: 2020.07.10 13:21:29 -04'00'	DATE OF ISSUANCE 07/10/2020
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Julia C. Shenk
 Headquarters Certifying Official
 Director, Office of Packaging and Transportation