



## Department of Energy

Washington, DC 20585

November 22, 2022

MEMORANDUM FOR DAVID R. BOWMAN  
MANAGER  
NEVADA FIELD OFFICE

FROM:

JULIA C. SHENK **JULIA SHENK**  
HEADQUARTERS CERTIFYING OFFICIAL  
DIRECTOR  
OFFICE OF PACKAGING AND TRANSPORTATION

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SUBJECT: Quality Assurance Program Approval 0034, Revision 1

Attached is Department of Energy (DOE) Quality Assurance Program (QAP) Approval Number 0034, Revision 1, for Mission Support & Test Services, LLC (MSTS), in response to email from Christopher Chalupa dated July 21, 2022, to Dr. James Shuler of my staff. This approval is based on DOE Packaging Certification Program (PCP) endorsement of National Nuclear Security Administration (NNSA) Office of Packaging and Transportation (OPT) approval dated July 21, 2022, of MSTS PD-0001.002, *Quality Assurance Program*, Revision 20, effective date August 30, 2021.

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 QAP Approval Number 0034, Revision 1, is October 31, 2024. If you wish to renew or terminate approval of QAP Approval 0034, request this action in writing. Please notify my office in writing of any changes to the status of your QAP approval by the NNSA OPT.

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 DOE 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.

Attachment:

cc: Christopher Chalupa, MSTS  
Jon Tanaka, MSTS  
James Shuler, EM-4.24  
QA Docket 2018-003



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

1. APPROVAL NUMBER  
**0034**

REVISION  
 1

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  
 Mission Support & Test Services, LLC (MSTS)

3. EXPIRATION DATE  
 October 31, 2024

STREET ADDRESS  
 2621 Losee Rd

4. DOCKET NUMBER  
 2018-003

CITY  
 North Las Vegas

STATE  
 NV

ZIP CODE  
 89030

5. QUALITY ASSURANCE PROGRAM DESCRIPTION, REVISION, and DATE  
*DOE approval based on endorsement of NNSA approval dated July 21, 2022, of MSTS PD-0001.002, Quality Assurance Program, Revision 20, effective August 30, 2021.*

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

**JULIA SHENK** Digitally signed by JULIA SHENK  
 Date: 2022.11.22 10:04:18  
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November 22, 2022

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