



Department of Energy
Washington, DC 20585

July 31, 2019

Mr. Richard L. Byars
Director Quality Assurance, OWM
EnergySolutions
299 South Main Street, 17th Floor
Salt Lake City, UT 84111

Dear Richard Byars:

In response to your request dated March 26, 2019, as supplemented July 15, 2019, to Dr. James Shuler of my staff, enclosed is Department of Energy (DOE), Quality Assurance Program Approval (QAPA), Approval Number 0001, Revision 4, for EnergySolutions (ES). This approval for revision and renewal of QAPA 0001 is based on DOE Packaging Certification Program (PCP) endorsement of the Nuclear Regulatory Commission (NRC) Approval Number 0935, Revision 10, dated July 5, 2019, of ES *Quality Assurance Program (QAP)*, ES-QA-PG-001, Revision 6, dated June 4, 2019.

This DOE QAPA 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 QAPA 0001, Revision 4, is April 30, 2025. If you wish to renew, revise, or terminate approval of the QAPA 0001, please request this action in writing. Any revisions to the ES QAP, except for spelling corrections and nonsubstantive changes to punctuation or editorial items, must be submitted and approved by the DOE PCP prior to implementation of the proposed changes. Revisions to the ES QAP for spelling corrections and nonsubstantive changes to punctuation or editorial items should be submitted to DOE PCP for reference.

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

Sincerely,

A handwritten signature in cursive script that reads "Joanne D. Lorence".

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

Enclosure

cc: 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
0001

REVISION
 4

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
 EnergySolutions

STREET ADDRESS
 299 South Main Street, Suite 1700

CITY
 Salt Lake City

STATE
 UT

ZIP CODE
 84111

3. EXPIRATION DATE
 April 30, 2025

4. DOCKET NUMBER
 2010-001

5. QUALITY ASSURANCE PROGRAM DESCRIPTION, REVISION, and DATE
Quality Assurance Program, ES-QA-PG-001, Revision 6, dated June 4, 2019

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
 07/31/2019

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