Department of Energy
Washington, DC 20585

April 14, 2015

Mr. Daniel Strum
Energy*Solutions*
423 West 300 South, Suite 200
Salt Lake City, Utah 84101

Dear Mr. Strum:

Enclosed is the Department of Energy (DOE) Quality Assurance Program (QAP) Approval, Approval Number 0001, Revision 2, for Energy*Solutions*, in response to the email request from Mike Nicol to my staff dated April 9. This approval is based on the Nuclear Regulatory Commission (NRC) approval of your QAP (Rev 3), NRC Approval No. 0935, Revision 8, dated April 2.

This DOE QAP Approval satisfies DOE Order 460.1 C, *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 0001, Revision 2 is April 30, 2020. If you wish to renew, revise, or terminate the QAP, please request this action in writing. Any revisions to the QAP shall be submitted and approved by DOE Packaging Certification Program prior to implementation of the proposed changes.

This approval memorandum also serves as a reminder that DOE Order 460.1 C requires each DOE entity that offers for transportation or transports radioactive material for DOE in Type B or fissile material packaging certified by the Headquarters Certifying Official (HCO) or the NRC shall be registered in writing with the HCO. Refer to the following URL for registration instructions: http://rampac.energy.gov.

Sincerely,

Frank Marcinowski
Headquarters Certifying Official
Deputy Assistant Secretary for
Waste Management

Enclosure

cc: Lawrence Gelder, SRNL
Daniel Shrum, dscrum@energysolutions.com
Michael Nicol, mfnicol@energysolutions.com

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

1. APPROVAL NUMBER **0001**

REVISION 2

Pursuant to DOE Order 460.1C, *Packaging and Transportation Safety*, subparagraph 4.a.(3), *Quality Assurance (QA)* directs that each entity that participates in the design, fabrication, procurement, use, or maintenance of a hazardous materials packaging must have a QA Program approved and audited by the Headquarters Certifying Official that satisfies the requirements of 10 CFR Part 71, Subpart H, QA, for certified Type B and fissile radioactive materials packagings. The Contractors Requirements Document in Attachment 1 of Paragraph 6 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			3. EXPIRATION DATE
EnergySolutions			April 30, 2020
STREET ADDRESS 140 Stoneridge Drive			4. DOCKET NUMBER
CITY Columbia	STATE MD	ZIP CODE 29210	2010-001

5. QUALITY ASSURANCE PROGRAM DESCRIPTION, REVISION, and DATE
Quality Assurance Program, ES-QA-PG-001, Revision 3 (DOE endorses NRC approval 0935, Revision 8 dated April 2, 2015)

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
Frank Marcinowski	4/15/15

Frank Marcinowski
DOE Headquarters Certifying Official
Deputy Assistant Secretary for Waste Management