



## Department of Energy

Washington, DC 20585

January 4, 2011

Dr. Robert A. Vaughan  
Croft Associates Limited  
F4 Culham Science Center  
Abingdon, Oxfordshire  
United Kingdom OX14 3DB

Dear Dr. Vaughan:

Enclosed is the Department of Energy (DOE) Quality Assurance (QA) Program Approval for Type B and Fissile Radioactive Materials Packages (Approval Number 0009, Revision 0) in response to your letter dated November 22, 2010. This approval is based on the Nuclear Regulatory Commission approval of your QA Program for Radioactive Material Packages No. 0939, Revision 0, issued on January 31, 2008, with an expiration date of March 31, 2018.

This DOE QA Approval satisfies the requirements of DOE Order 460.1C and 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 DOE PCP QA Docket number assigned to this review is 2011-009. The DOE QA Program Approval will remain in effect for five years, as indicated in Block No. 3. If you wish to renew, amend or terminate your DOE QA Program Approval, please request this action in writing.

This letter also serves as a reminder that DOE O 460.1C requires each entity that offers for transportation or transports radioactive material for DOE in a Type B or fissile material packaging certified by the Headquarters Certifying Official (HCO) or the U.S. Nuclear Regulatory Commission be registered in writing with the HCO.

If you have any questions, please contact Dr. James M. Shuler of my staff at (301)903-5513.

A handwritten signature in black ink, appearing to read "Frank Marcinowski".

Frank Marcinowski  
DOE Headquarters Certifying Official  
Deputy Assistant Secretary for  
Technical and Regulatory Support

Attachment





**U. S. Department of Energy**  
**QUALITY ASSURANCE PROGRAM APPROVAL**  
 FOR TYPE B and FISSILE RADIOACTIVE MATERIAL PACKAGES

1. APPROVAL NUMBER

0009

REVISION NUMBER

0

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 paragraph 6 of the Order imposes the same requirement on DOE contractors. Based on the reliance on statements and representations heretofore made in Item 5 by the organization named in Item 2, the Quality Assurance Program Description identified in Item 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

Croft Associates Limited

3. EXPIRATION DATE

12/31/2015

STREET ADDRESS

F4 Culham Science Center

4. DOCKET NUMBER

2011-009

CITY

Abingdon, Oxfordshire, United Kingdom

STATE

ZIP CODE

OX14 3DB

5. QUALITY ASSURANCE PROGRAM APPLICATION DATE(S)

11/22/2010

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.

FOR THE U.S. DEPARTMENT OF ENERGY

SIGNATURE

DATE OF ISSUANCE

1/4/11

**Frank Marcinowski**  
 DOE Headquarters Certifying Official