



**Department of Energy**  
Washington, DC 20585

January 15, 2014

MEMORANDUM FOR STEVE DEFALCO  
PROJECT QUALITY ASSURANCE MANAGER  
NAVARRO RESEARCH AND ENGINEERING, INC

FROM: STEPHEN C. O'CONNOR   
HEADQUARTERS CERTIFYING OFFICIAL  
DIRECTOR, OFFICE OF PACKAGING AND  
TRANSPORTATION

SUBJECT: Approval of Navarro Research and Engineering QA Program  
for Type B and Fissile Material Packages

Attached is the Department of Energy (DOE) approval of the Navarro Quality Assurance (QA) Program, NS-QA-P-002, Revision 0, for Type B and fissile material packagings (Approval Number 0013, Revision 0) in response to your letter dated March 15, 2011. The Navarro Research and Engineering QA Program satisfies the applicable requirements of DOE Order (O) 460.1C and 10 CFR Part 71, Subpart H. The DOE Docket Number assigned to this review is 2011-012. This approval will remain in effect for 5 years as indicated in Block No. 3 of the attached form.

If you wish to renew, amend or terminate your QA Program during this 5 year period, please request this action in writing. Any revisions to the QA Program shall be submitted for approval in accordance with DOE O 460.1C prior to implementation of the proposed changes.

This approval letter serves as a reminder that DOE O 460.1C 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 U.S. Nuclear Regulatory Commission shall be registered in writing with the HCO. The entity should refer to the following website for registration instructions:  
<http://rampac.energy.gov/>

Should you have any questions, please contact me or Prakash Kunjeer of my staff at (301) 903-2443.

Attachment

cc: Dana Willaford, ORNL



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

1. APPROVAL NUMBER	0013
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 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
Navarro Research and Engineering, Inc.			03/31/2016
STREET ADDRESS			4. DOCKET NUMBER
669 Emory Valley Road			
CITY	STATE	ZIP CODE	
Oak Ridge	TN	37830	2011-012

5. QUALITY ASSURANCE PROGRAM APPLICATION DATE(S)  
 March 2011 (NS-QA-P-002, Revision 0)

6. CONDITIONS
1. Activities conducted related to use of Type B and fissile material transportation packagings are to be executed under applicable criteria of 10 CFR Part 71 Subpart H.
  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
		January 15, 2014

Stephen O'Connor  
 DOE Headquarters Certifying Official