



**Department of Energy**  
Washington, DC 20585

March 1, 2019

MEMORANDUM FOR: KEVIN M. KROGH  
NATIONAL NUCLEAR SECURITY ADMINISTRATION  
NAVAL REACTORS

FROM: JOANNE D LORENCE   
HEADQUARTERS CERTIFYING OFFICIAL  
DIRECTOR  
OFFICE OF PACKAGING AND TRANSPORTATION

SUBJECT: Quality Assurance Program Approval for Type B and Fissile  
Radioactive Materials Packages

Enclosed is Department of Energy (DOE), Quality Assurance Program (QAP) Approval Number 0033, Revision 0, for Fluor Marine Propulsion (FMP), LLC, in response to the email request from Hollie Bickford dated February 27, 2019 to Dr. James M. Shuler of my staff to add FMP as a user of the 9979 package under DOE Certificate of Compliance Number 9979 (Note: QAP Approval is required to become a package user). This approval is based on DOE Packaging Certification Program (PCP) endorsement of the Naval Nuclear Propulsion Programs (NNPP) approval (attested to by Hollie Bickford's email) of FMP's quality assurance compliance program to the 10 CFR 71 Subpart H requirements for the Knolls and Bettis Atomic Power Laboratories.

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 the DOE to maintain packaging standards equivalent to those specified in 10 CFR Part 71.

The expiration date of DOE QAP Approval Number 0033, Revision 0, is February 29, 2024. If you wish to renew or terminate approval of the QAP Approval 0033, please request this action in writing.

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. James Shuler at (301) 903-5513.

Enclosure

cc Hollie Bickford, NA-30  
Nikolas Webster, FMP  
James M. Shuler, EM-4.24  
QA Docket 2019-002



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

1. APPROVAL NUMBER <b>0033</b>
REVISION 0

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  
 Fluor Marine Propulsion LLC (FMP): for Bettis and Knolls Atomic Power Laboratories

3. EXPIRATION DATE  
 February 29, 2024

STREET ADDRESS  
 P.O. Box 79

4. DOCKET NUMBER  
 2019-002

CITY  
 West Mifflin

STATE  
 PA

ZIP CODE  
 15122-0079

5. QUALITY ASSURANCE PROGRAM DESCRIPTION, REVISION, and DATE  
 H. Bickford to James Shuler (DOE Packaging Certification Program Manager), email, February 27, 2019 (NNPP attestation of FMP compliance with 10 CFR 71 Subpart H)

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  
 03/01/2019

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