



Department of Energy

Washington, DC 20585

April 9, 2024

MEMORANDUM FOR KEVIN M. KROGH

NATIONAL NUCLEAR SECURITY ADMINISTRATION
NAVAL REACTORS

FROM:

JULIA C. SHENK **Julia C. Shenk** Digitally signed by Julia C. Shenk
Date: 2024.04.09 13:08:21 -04'00'
HEADQUARTERS CERTIFYING OFFICIAL
DIRECTOR
OFFICE OF PACKAGING AND TRANSPORTATION

SUBJECT: Issuance of Quality Assurance Program Approval 0033, Revision 1

Attached is the Department of Energy (DOE) Quality Assurance Program (QAP) Approval, Approval Number 0033, Revision 1, for Fluor Marine Propulsion (FMP), LLC, in response to the email request from Chad Blackburn dated March 14, 2024. This approval for 5-year renewal is based on DOE Packaging Certification Program (PCP) endorsement of the Naval Nuclear Propulsion Programs (NNPP) approval (attested to by the Chad Blackburn 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 DOE to maintain packaging standards equivalent to those specified in 10 CFR Part 71.

The expiration date of DOE Approval Number 0033, Revision 1, is February 28, 2029. If you wish to renew or terminate approval of the QAP Approval 0033, please request this action in writing no later than ~~February~~ (lfg) January 28, 2029.

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 HCO prior to first use of the package. Refer to the following URL for registration instructions: <https://rampac.energy.gov/home/package-certificationinformation/guidance/doe-guidance>.

If you have any questions, please contact me or DOE Docket Manager Lawrence Gelder at (803) 645-3490.

Attachment: QAPA-33, Rev 1

cc: Chad Blackburn, NA-30
Hollie Bickford, NA-30
Nikolas Webster, FMP
QA Docket 2019-002



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

1. APPROVAL NUMBER
0033

REVISION
1

Pursuant to DOE Order 460.1D, *Hazardous Materials 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 activities at Bettis and Knolls Atomic Power Laboratories

3. EXPIRATION DATE

February 28, 2029

STREET ADDRESS

P.O. Box 79

4. DOCKET NUMBER

CITY

West Mifflin

STATE

PA

ZIP CODE

15122-0079

2019-002

5. QUALITY ASSURANCE PROGRAM DESCRIPTION, REVISION, and DATE

Chad Blackburn to Julia Shenk (DOE Headquarters Certifying Official), email, March 14, 2024 (NNPP attestation of FMP compliance with 10 CFR 71 Subpart H)

6. CONDITIONS

- 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.
- Records shall be maintained in accordance with the provisions of 10 CFR Part 71. Specifically:
 - Records of each shipment of licensed material shall be maintained for 3 years after that shipment [10 CFR 71.91(a)].
 - Records providing evidence of packaging quality shall be maintained for 3 years after the life of the packaging [10 CFR 71.91(d)].
 - Records describing activities affecting packaging quality shall be maintained for 3 years after this Quality Assurance Program Approval is terminated [10 CFR 71.135].
- 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.
- 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

Julia C. Shenk

Digitally signed by Julia C.
Shenk
Date: 2024.04.09 13:02:56
-04'00'

DATE OF ISSUANCE

April 9, 2024

Julia C. Shenk
DOE Headquarters Certifying Official
Director, Office of Packaging and Transportation