



Department of Energy
Washington, DC 20585

July 9, 2019

Mr. David Bisson
Radiation Safety Officer
Johns Hopkins University
Applied Physics Laboratory
11100 Johns Hopkins Road
Laurel, Md 20723-6099

Dear Mr. David Bisson:

In response to your email dated May 22, 2018, as supplemented May 10, 2019, to Dr. James Shuler of my staff, enclosed is Department of Energy (DOE), Quality Assurance Program Approval (QAPA), Approval Number 0030, Revision 1, for Johns Hopkins University Applied Physics Laboratory (JHU/APL). This approval for renewal of QAPA 0030 is based on DOE Packaging Certification Program (PCP) endorsement of the Maryland Department of the Environment's approval of the JHU/APL *Packaging Quality Assurance Program Description QAPD*, EHSP-HP-001-16, Revision 1, in License Number MD 27-014-02 Amendment 62, Condition 23, expiration date November 30, 2025.

This DOE QAPA 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 QAPA 0030, Revision 1, is November 30, 2025, to coincide with the expiration date of MD 27-014-02 Amendment 62. If you wish to renew, revise, or terminate QAPA 0030, please request this action in writing. Any revisions to JHU/APL QAPD requiring an amendment to License Number MD 27-014-02 should be submitted to DOE PCP prior to implementation of the proposed changes.

Since JHU/APL is an agreement state licensee (MD), JHU/APL must not consign a DOE certified package for shipment. Only Departmental elements or persons working under contract to DOE elements may consign a DOE certified package for shipment. However, JHU/APL can transfer the material on site to DOE elements or persons working under contract to DOE elements for consignment of a DOE certified package.

If you have any questions, please contact me or Dr. Shuler at (301) 903-5513.

Sincerely,

A handwritten signature in blue ink that reads "Joanne D. Lorence".

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

Enclosure

cc: James Shuler, EM-4.24



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

1. APPROVAL NUMBER 0030
REVISION 1

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
 Johns Hopkins University/Applied Physics Laboratory, LLC

3. EXPIRATION DATE
 November 30, 2025

STREET ADDRESS
 11100 Johns Hopkins Road

4. DOCKET NUMBER

CITY
 Laurel

STATE
 MD

ZIP CODE
 20723-6099

2018-002

5. QUALITY ASSURANCE PROGRAM DESCRIPTION, REVISION, and DATE
Packaging Quality Assurance Program Description QAPD, EHSP-HP-001-16, Revision 1 (approved by the Maryland Department of the Environment, License Number MD-27-014-02 Amendment 62, Condition 23, expiration date November 30, 2025)

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
 July 9, 2019

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