

**Official Use Only - Security-Related Information**

NRC FORM 374

U.S. NUCLEAR REGULATORY COMMISSION

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Amendment No. 11

**MATERIALS LICENSE**

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 37, 39, 40, 70 and 71, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

Licensee  1. Maryland Q.C. Laboratories, Inc. d.b.a. MQC Labs, Inc.  2. 1550 S.Philadelphia Blvd. Aberdeen, MD 21001		In accordance with the letter dated June 10, 2022,	4. Expiration Date: November 30, 2037
			5. Docket No.: 030-32529 Reference No.:
6. Byproduct, source, and/or special nuclear material  A. Cesium-137  B. Iridium-192  C. Uranium- depleted in Uranium-235		7. Chemical and/or physical form  A. Sealed Sources (QSA Global, Inc. (formerly AEA Technology), Model 77302 Source Rod Assembly)  B. Sealed Sources (QSA Global, Inc., Model A424-9)  C. Metal	8.  A.  B.  C. 140 kilograms total
			Authorized use  For use in QSA Global, Inc. Model 773 for instrument calibration.  For use in industrial radiography exposure device QSA Global, Inc. Model 880 Delta; and source changer QSA Global Model 650L. For use in industrial radiography and replacement of sources. Not approved for industrial radiography in lay-barges, off shore oil and gas platforms, or underwater.  C. For use as shielding in radiographic equipment.

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**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**

License No.:  
19-28683-01

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CONDITIONS

10. Licensed material shall be used or stored at temporary job sites of the licensee anywhere in the United States where the U.S. Nuclear Regulatory Commission maintains jurisdiction for regulating the use of licensed material, including areas of exclusive Federal jurisdiction within Agreement States.
- If the jurisdiction status of a Federal facility within an Agreement State is unknown, the licensee should contact the Federal agency controlling the job site in question to determine whether the proposed job site is an area of exclusive Federal jurisdiction. Authorization for use of radioactive materials at job sites in Agreement States not under exclusive Federal jurisdiction should be obtained from the appropriate state regulatory agency.
11. Licensed material shall only be used by, or under the supervision and in the physical presence of, individuals who have been designated in writing by the Radiation Safety Officer and have been trained: (A) As specified in the letter dated November 17, 2022; and (B) In accordance with the provisions of 10 CFR 34.43
12. The Radiation Safety Officer (RSO) for this license is Jennifer S. Fabie.
13. A. Notwithstanding the periodic leak test required by 10 CFR 34.27(c)(1) and (e), the requirement does not apply to radiography sources that are stored and not being used. These radiography sources must be leak tested before they are used or transferred to another person. No sealed source may be stored for a period of more than 10 years without being tested in accordance with 10 CFR 34.27(c)(1) and (e).
- B. Sealed sources authorized for uses other than radiography shall be tested for leakage and shall be inventoried in accordance with 10 CFR 34.27 and 10 CFR 34.29, respectively.
14. Sealed sources containing licensed material shall not be opened by the licensee, except as specifically authorized.

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U.S. NUCLEAR REGULATORY COMMISSION

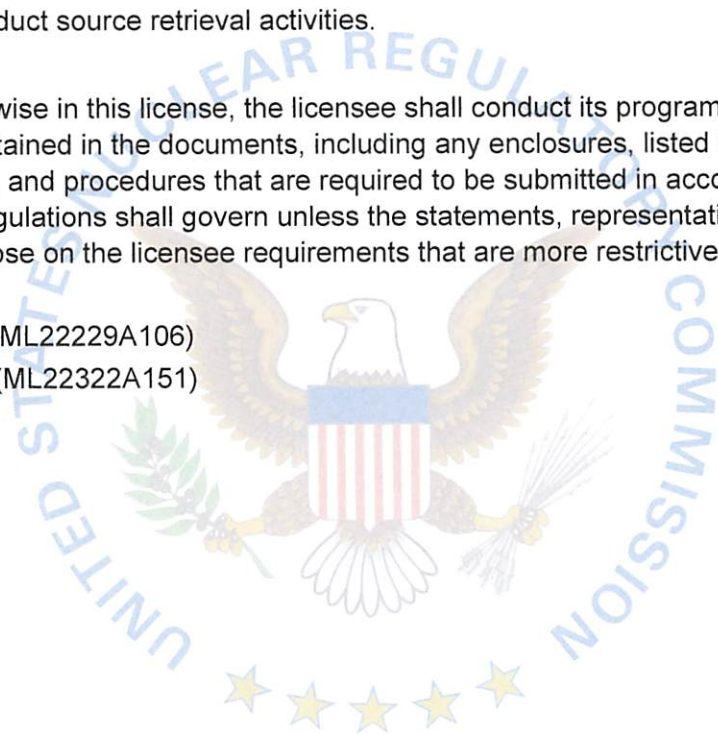
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- 15. The licensee is not authorized to conduct source retrieval activities.
- 16. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. This license condition applies only to those statements, representations, and procedures that are required to be submitted in accordance with the regulations. The U.S. Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence impose on the licensee requirements that are more restrictive than or in addition to the regulations.
  - A. Application dated June 10, 2022 (ML22229A106)
  - B. Letter dated November 17, 2022 (ML22322A151)



Date: November 29, 2022

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Elizabeth Ullrich

Digitally signed by Elizabeth Ullrich

By: \_\_\_\_\_

Date: 2022.11.29 12:06:14 -05'00'

Elizabeth Ullrich  
Region 1