U.S. NUCLEAR REGULATORY COMMISSION

Amendment No. 9

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	In accordance with the application dated April 28, 2022,	4. Expiration Date: October 31, 2037
1. Fischer Technology, Inc. 2. 750 Marshall Phelps Road Windsor, CT 06095	3. License No.: 06-19165-01 is renewed in its entirety to read as follows:	5. Docket No.: 030-17073 Reference No.:

6. Byproduct, source, and/or special nuclear material	7. Chemical and/or physical form	8. Maximum amount that licensee may possess at any one time under this license	9. Authorized use

MATERIALS LICENSE SUPPLEMENTARY SHEET

License No.: 06-19165-01

Amendment No. 9

Docket or Reference No.: 030-17073

6. Byproduct, source, and/or special nuclear material	7. Chemical and/or physical form	8. Maximum amount that licensee may possess at any one time under this license	9. Authorized use
A. Carbon-14	A. Sealed Sources (Helmut Fischer Gmbh & Co., Model Models 600-493; Models 604-802)	A. No single source to exceed the maximum activity specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission or an Agreement State and 20 millicuries total	A. For possession incident to service for other persons as defined in 10 CFR 20.1003 for: (1) Installation, initial radiation surveys, relocation, removal from service, dismantling, alignment, replacement, disposal of the sealed source, and routine and non-routine maintenance or repair of components related to the radiological safety of Fischer Technology Fischerscope Beta Models 870, 2045, and 2060 gauge devices that have been registered either with the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or with an Agreement State. (2) Instruction and training of individuals in the use of Fischer Technology Fischerscope Beta Models 870, 2045, and 2060 devices, including demonstration of backscatter thickness gauges. (3) Leak test sample collection and analysis. Distribution of Fischer Technology Fischerscope Beta Models 870, 2045, and 2060 backscatter thickness gauges to persons authorized to receive the licensed material pursuant to the terms and conditions of a

UNITED STATES NUCLEAR REGULATORY COMMISSION

MATERIALS LICENSE SUPPLEMENTARY SHEET

License No.: 06-19165-01

Amendment No. 9

Docket or Reference No.: 030-17073

6. Byproduct, source, and/or special nuclear material	7. Chemical and/or physical form	8. Maximum amount that licensee may possess at any one time under this license	9. Authorized use
			specific license issued by the U.S. Nuclear Regulatory Commission or an Agreement State.
B. Strontium-90	B. Sealed Sources (Helmut Fischer Gmbh & Co., Model CO7.XX.XX SERIES)	B. 5 microcuries per source and 2 millicuries total	B. Same as A
C. Promethium-147	C. Sealed Sources (Helmut Fischer Gmbh & Co., Model CO7.XX.XX SERIES)	C. 400 microcuries per source and 180 millicuries total	C. Same as A
D. Thallium-204	D. Sealed Sources (Helmut Fischer Gmbh & Co., Model CO7.XX.XX SERIES)	D. 50 microcuries per source and 30 millicuries total	D. Same as A

UNITED STATES NUCLEAR REGULATORY COMMISSION

MATERIALS LICENSE SUPPLEMENTARY SHEET	License No.: 06-19165-01	Docket or Reference No.: 030-17073
	Amendment No. 9	

CONDITIONS

10. Licensed material shall be used or stored at the licensee's facilities located at 750 Marshall Phelps Road, Windsor, Connecticut and may be used 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. A. Licensed material shall only be used by, or under the supervision of: Robert Weber or Raymond Moncevicius.

    B. The Radiation Safety Officer (RSO) for this license is Raymond Moncevicius.

12. A. Sealed sources shall be tested for leakage and/or contamination at intervals not to exceed the intervals specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or by an Agreement State. In the absence of a registration certificate, sealed sources shall be tested for leakage and/or contamination at intervals not to exceed 6 months, or at such other intervals as specified.

    B. Each sealed source fabricated by the licensee shall be inspected and tested for construction defects, leakage, and contamination prior to any use or transfer as a sealed source.

    C. In the absence of a certificate from a transferor indicating that a leak test has been made within the intervals specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or by an Agreement State, prior to the transfer, a sealed source received from another person shall not be put into use until tested and the test results received.

MATERIALS LICENSE SUPPLEMENTARY SHEET	License No.: 06-19165-01	Docket or Reference No.: 030-17073
	Amendment No. 9	

D. Sealed sources need not be tested if they contain only hydrogen-3; or they contain only a radioactive gas; or the half-life of the isotope is 30 days or less; or they contain not more than 100 microcuries of beta- and/or gamma-emitting material or not more than 10 microcuries of alpha-emitting material.

E. Sealed sources need not be tested if they are in storage and are not being used. However, when they are removed from storage for use or transferred to another person, and have not been tested within the required leak test interval, they shall be tested before use or transfer. No sealed source shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.

F. The leak test shall be capable of detecting the presence of 185 becquerels (0.005 microcuries) of radioactive material on the test sample. If the test reveals the presence of 185 becquerels (0.005 microcuries) or more of removable contamination, a report shall be filed with the U.S. Nuclear Regulatory Commission in accordance with 10 CFR 30.50(c)(2), and the source shall be removed immediately from service and decontaminated, repaired, or disposed of in accordance with Commission regulations.

G. Tests for leakage and/or contamination, including leak test sample collection and analysis, shall be performed by the licensee or other persons specifically licensed by the U.S. Nuclear Regulatory Commission or an Agreement State to perform such services.

H. Records of leak test results shall be kept in units of becquerels (microcuries) and shall be maintained for 3 years.

13. The licensee shall conduct a physical inventory every 6 months, or at other intervals approved by the U.S. Nuclear Regulatory Commission, to account for all sealed sources and/or devices received and possessed under the license. Records of inventories shall be maintained for 3 years from the date of each inventory, and shall include the radionuclides, quantities, manufacturer's name and model numbers, and the date of the inventory.

14. Sealed sources or detector cells containing licensed material shall not be opened or sources removed from source holders by the licensee, except as specifically authorized.

MATERIALS LICENSE SUPPLEMENTARY SHEET	License No.: 06-19165-01	Docket or Reference No.: 030-17073
	Amendment No. 9	

15. This license does not authorize commercial distribution of licensed material pursuant to 10 CFR 32.72 or 10 CFR 32.74 to persons generally licensed pursuant to 10 CFR Part 31 or equivalent regulations of any Agreement State; or to persons exempt from licensing pursuant to 10 CFR 30.14 through 10 CFR 30.21 inclusive, or equivalent regulations of any Agreement State.

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 October 17, 2022 (ML22294A008)

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date: October 24, 2022

By: Elizabeth Ullrich
Digitally signed by Elizabeth Ullrich
Date: 2022.10.24 14:15:39 -04'00'

Elizabeth Ullrich
Region 1