

MATERIALS LICENSE

Amendment No. 19

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, 39, 40 and 70, 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.

<p>Licensee</p> <p>1. Fisher Scientific Company</p> <p>2. 1 Reagent Lane Fair Lawn, New Jersey 07410</p>		<p>In accordance with letter dated August 28, 1992,</p> <p>3. License number 29-10211-01 is amended in its entirety to read as follows:</p>
		<p>4. Expiration date May 31, 1995</p>
		<p>5. Docket or Reference No 030-05379</p>
<p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Hydrogen 3</p> <p>B. Carbon 14</p> <p>C. Phosphorus 32</p> <p>D. Nickel 63</p> <p>E. Nickel 63</p> <p>F. Cesium 137</p>	<p>7. Chemical and/or physical form</p> <p>A. Any</p> <p>B. Any</p> <p>C. Any</p> <p>D. Plated source (Hewlett-Packard Model 18713A detector cells)</p> <p>E. Plated source (Hewlett-Packard Model 19303 detector cells)</p> <p>F. Sealed source</p>	<p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. 400 microcuries</p> <p>B. 600 microcuries</p> <p>C. 10 microcuries</p> <p>D. Not to exceed 15 millicuries per source and 60 millicuries total</p> <p>E. Not to exceed 15 millicuries per source and 75 millicuries total</p> <p>F. 40 microcuries</p>
<p>9. Authorized use</p> <p>A. through C. and F. For use as instrument calibration standards.</p> <p>D. and E. For use in gas chromatographs for sample analysis.</p>		

CONDITIONS

10. Licensed material may be used only at the licensee's facilities at 1 Reagent Lane, Fair Lawn, New Jersey, and at the Bridgewater Packaging Facility, 755 State Highway 202, Somerville, New Jersey.
11. A. Licensed material shall be used by, or under the supervision of, Dan Koettters, Natvar Desai, Frank Tse, or Fred Turk.
- B. The Radiation Safety Officer for this license is Fred Turk.

120136

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MATERIALS LICENSE  
SUPPLEMENTARY SHEET

License number

29-10211-01

Docket or Reference number

030-05379

Amendment No. 19

(Continued)

CONDITIONS

12. A. Sealed sources and detector cells shall be tested for leakage and/or contamination at intervals not to exceed 6 months or at such other intervals as are specified by the certificate of registration referred to in 10 CFR 32.210, not to exceed 3 years.
- B. Notwithstanding Paragraph A of this Condition, sealed sources designed to emit alpha particles shall be tested for leakage and/or contamination at intervals not to exceed 3 months.
- C. In the absence of a certificate from a transferor indicating that a test has been made within six months prior to the transfer, a sealed source or detector cell received from another person shall not be put into use until tested.
- D. 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.
- E. Sealed sources and detector cells need not be leak tested if:
- (i) they contain only hydrogen 3; or
  - (ii) they contain only a gas; or
  - (iii) the half-life of the isotope is 30 days or less; or
  - (iv) they contain not more than 100 microcuries of beta and/or gamma emitting material or not more than 10 microcuries of alpha emitting material; or
  - (v) they are not designed to emit alpha particles, are in storage, and are not being used. However, when they are removed from storage for use or transfer 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 or detector cell shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.
- F. The test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. Records of leak test results shall be kept in units of microcuries and shall be maintained for inspection by the Commission. If the test reveals the presence of 0.005 microcurie or more of removable contamination, a report shall be filed with the U.S. Nuclear Regulatory Commission and the source shall be removed from service and decontaminated, repaired, or disposed of in accordance with Commission regulations. The report shall be filed within 5 days of the date the leak test result is known with the U.S. Nuclear Regulatory Commission, Region I, ATTN: Chief, Nuclear Materials Safety Branch, 475 Allendale Road, King of Prussia, Pennsylvania 19406. The report shall specify the source involved, the test results, and corrective action taken.

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**

License number	29-10211-01
Docket or Reference number	030-05379
Amendment No. 19	

(12. continued)

**CONDITIONS**

- G. The licensee is authorized to collect leak test samples for analysis by the licensee. Alternatively, tests for leakage and/or contamination may be performed by persons specifically licensed by the Commission or an Agreement State to perform such services.
13. In lieu of using the conventional radiation caution colors (magenta or purple on yellow background) as provided in 10 CFR 20.203(a)(1), the licensee is hereby authorized to label detector cells and cell baths, containing licensed material and used in gas chromatography devices, with conspicuously etched or stamped radiation caution symbols.
14. Sealed sources or detector cells containing licensed material shall not be opened or sources removed from detector cells by the licensee.
15. The licensee shall conduct a physical inventory every 6 months to account for all sources and/or devices received and possessed under the license. Records of inventories shall be maintained for 5 years from the date of each inventory.
16. The licensee may transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material".
17. 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. The Nuclear Regulatory Commission's regulations shall govern unless the statements, representations and procedures in the licensee's application and correspondence are more restrictive than the regulations.
- A. Application dated October 27, 1978
  - B. Letter dated November 28, 1978
  - C. Letter dated September 10, 1980
  - D. Letter dated October 17, 1980
  - E. Letter dated December 1, 1983
  - F. Letter dated April 25, 1986
  - G. Letter dated June 12, 1986
  - H. Letter dated August 20, 1986
  - I. Letter dated January 30, 1989
  - J. Letter dated November 15, 1989
  - K. Letter dated August 28, 1992

For the U.S. Nuclear Regulatory Commission

Date

NOV 30 1992

By

Original Signed By:  
Elizabeth Ullrich

Nuclear Materials Safety Branch  
Region I  
King of Prussia, Pennsylvania 19406

NOV 30 1992

License No. 29-10211-01  
Docket No. 030-05379  
Control No. 117135

Fisher Scientific Company  
ATTN: Bill Marmo  
Safety and Environmental Officer  
One Reagent Lane  
Fair Lawn, New Jersey 07410

Dear Mr. Marmo:

Please find enclosed an amendment to your NRC Material License.

Please review the enclosed document carefully and be sure that you understand all conditions. If there are any errors or questions, please notify the Region I Material Licensing Section, (215) 337-5093, so that we can provide appropriate corrections and answers.

Please be advised that you must conduct your program involving licensed radioactive materials in accordance with the conditions of your NRC license, representations made in your license application, and NRC regulations. In particular, please note the items in the enclosed, "Requirements for Materials Licensees."

Since serious consequences to employees and the public can result from failure to comply with NRC requirements, the NRC expects licensees to pay meticulous attention to detail and to achieve the high standard of compliance which the NRC expects of its licensees.

You will be periodically inspected by NRC. A fee may be charged for inspections in accordance with 10 CFR Part 170. Failure to conduct your program safely and in accordance with NRC regulations, license conditions, and representations made in your license application and supplemental correspondence with NRC will result in prompt and vigorous enforcement action against you. This could include issuance of a notice of violation, or in case of serious violations, an imposition of a civil penalty or an order suspending, modifying or revoking your license as specified in the General Policy and Procedures for NRC Enforcement Actions, 10 CFR Part 2, Appendix C.

Fisher Scientific Company

-2-

We wish you success in operating a safe and effective licensed program.

Sincerely,

Original Signed By:  
Elizabeth Ullrich



John D. Kinneman, Chief  
Research, Development and  
Decommissioning Section  
Division of Radiation Safety  
and Safeguards

Enclosures:

1. Amendment No. 19
2. Requirements for Materials Licensees
3. 10 CFR Parts 2, 19, 20, 30 and 170

DRSS:RI  
Dolce/GMP

11/27/92

DRSS:RI  
Kinneman

11/27/92



# CONVERSATION RECORD

TIME

DATE

1:53pm 11/19/92

TYPE

☐ VISIT

☐ CONFERENCE

☒ TELEPHONE

☐ INCOMING

☒ OUTGOING

Location of Visit/Conference:

NAME OF PERSON(S) CONTACTED OR IN CONTACT WITH YOU

Fred Turk

ORGANIZATION (Office, Dept., Bureau, etc.)

Fisher Scientific

TELEPHONE NO.

(201) 796-7100

SUBJECT

License # 29-10211-01 Amendment

ROUTING

NAME/SYMBOL

INT

SUMMARY

Fisher Scientific requests to eliminate all R&D aspects from their program. This came as a result of the fees. Therefore, S-35 + I-125 use is no longer performed. No radwaste is on site. The only uses of rad. material is in the postlude work (Ni63 GC) and in instrument calibration (stds.).

ACTION REQUIRED

NAME OF PERSON DOCUMENTING CONVERSATION

SIGNATURE

DATE

Kathleen Dolan

Kathleen Dolan

11/19/92

ACTION TAKEN

SIGNATURE

TITLE

DATE

50271-101

U.S. G.P.O. 1983-381-526/8344

CONVERSATION RECORD

OPTIONAL FORM 271 (12-76)  
DEPARTMENT OF DEFENSE

OFFICIAL RECORD COPY ML 10

117135

Fisher  
Scientific

1 Reagent Lane  
Fair Lawn, N.J. 07410  
(201) 796-7100

030-05379

August 28, 1992

U.S. Nuclear Regulatory Commission  
Region I Material Licensing  
475 Allendale Road  
King of Prussia, PA 19406

RE: License No. 29-10211-01  
Docket No. 30-05379

Gentlemen:

Fisher Scientific no longer has an R&D Department at its Fair Lawn, New Jersey site. The components that were assigned for R&D in Fisher's present License #29-10211-01, namely Sulfur 35 and Iodine 125 are no longer at the site.

We therefore request an amendment to our License Number 29-10211-01 to remove reference to R&D. An amendment fee of \$670.00 is enclosed as per 3M fee category for amendments.

Thank you,

FISHER SCIENTIFIC COMPANY

*Frederick H. Turk*

Frederick H. Turk  
Supervisor, Quality Control

FHT:dah

Enclosure

Log	Def 13 X
Remitter	
Check No.	6996
Amount	\$670.00 (261 Refund)
Fee Category	3P 3M
Type of Fee	Raw
Date Check Rec'd.	10/1/92
Date Completed	10/1/92
By	ptj

U.S. NUCLEAR REGULATORY  
COMMISSION

92 SEP 21 18:00

RECEIVED

OFFICIAL RECORD COPY ML 10

117135

SEP 09 1992

NOV 12 1992

DIVISION OF ACCOUNTING AND FINANCE  
REQUEST FOR REFUND TO EMPLOYEE/VENDOR

THE EMPLOYEE/VENDOR IDENTIFIED BELOW HAS OVERPAID THE NUCLEAR  
REGULATORY COMMISSION FOR GOODS OR SERVICES PROVIDED AND IS DUE A  
REFUND.

EMPLOYEE/VENDOR/PAYEE CODE

NAME: Fisher Scientific Company

ADDRESS: ATTN: Robert Hardaker

ADDRESS: 1 Reagent Lane

CITY: Fair Lawn STATE: NJ ZIP: 07410

AMOUNT: \$260.00

COMMENTS: Lic. 29-10211-01 AMD

ck No 6996 Cat 3P

(LIMIT COMMENTS TO 40 CHARACTERS, INCLUDING SPACES)

FUND: \_\_\_\_\_ JOB CODE: \_\_\_\_\_ TRANS TYPE: \_\_\_\_\_

PREPARED BY: [Signature] DATE: 10/30/92

AUTHORIZED BY: [Signature] DATE: 11/4/92 TITLE: Lic. Fu. Analyst

OFFICE: OC/DAF/KEOCB DATE: 11/4/92

PLEASE ATTACH EACH APPROPRIATE SUPPORTING DOCUMENTATION.

Oct. 13<sup>th</sup>  
117135

INVOICE NUMBER: \_\_\_\_\_ INVOICE PAID ON: \_\_\_\_\_ FOR: \$ \_\_\_\_\_

REFUND ENTERED INTO COLLECT BY: \_\_\_\_\_

AMOUNT: \_\_\_\_\_ BY: \_\_\_\_\_ DATE: \_\_\_\_\_



100 200 300 400 500 600 700 800 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000

LICENSE FEE MANAGEMENT BRANCH, ARM  
AND  
REGIONAL LICENSING SECTIONS

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PROGRAM CODE: 03620
STATUS CODE: 0
FEE CATEGORY: 3P 3M
EXP. DATE: 19950531
FEE COMMENTS: 3M ADDED 11/6/86
DECOM FIN ASSUR REQD: N

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## A. REGION

1. APPLICATION ATTACHED  
APPLICANT/LICENSEE: FISHER SCIENTIFIC COMPANY  
RECEIVED DATE: 920909  
DOCKET NO: 3005379  
CONTROL NO.: 117135  
LICENSE NO.: 29-10211-01  
ACTION TYPE: AMENDMENT

2. FEE ATTACHED  
AMOUNT: \$ 670.00  
CHECK NO.: 6996

- ### 3. COMMENTS

SIGNED  
DATE

IN A CHECK WHEN MILESTONE 03 IS ENTERED 14/10

1. FEE CATEGORY AND AMOUNT: SP \$15
2. CORRECT FEE PAID. APPLICATION MAY BE PROCESSED FOR:  
AMENDMENT \_\_\_\_\_  
RENEWAL \_\_\_\_\_  
LICENSE \_\_\_\_\_

3. OTHER -----

SIGNED  
DATE

DATE \_\_\_\_\_