

**U. S. NUCLEAR REGULATORY COMMISSION
MATERIALS LICENSE**

Page 1 of 3 Pages

Amendment No. 03

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 1, Parts 30, 31, 32, 33, 34, 35, 36, 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); and to import such byproduct and source material. 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. Frank L. Clifford c/o Parker Industrial X-ray Corporation 2. 290 Governor Street East Hartford, Connecticut 06108		In accordance with application dated June 1, 1979 3. License number 06-12117-02 is amended in its entirety to read as follows: 4. Expiration date April 30, 1985 5. Docket or Reference No.	
6. Byproduct, source, and/or special nuclear material A. Cobalt 60 B. Cesium 137 C. Iridium 192 D. Cobalt 60	7. Chemical and/or physical form A. Technical Operations Model 571 Source Rod B. Autochem Corporation Model 2000, Module CS 2-10 Sealed Source C. Automation Industries, Gamma Industries or Technical Operations Sealed Sources D. Automation Industries, Gamma Industries or Technical Operations Sealed Sources	8. Maximum amount that licensee may possess at any one time under this license A. One source of 15 milli-curies B. One source of 100 milli-curies C. Not to exceed 200 curies per source D. Not to exceed 200 curies per source	
9. Authorized use A. For use in Technical Operations Model 571 calibrator for calibration of instruments. B. For use in Eon Corporation Model 64-764 calibrator for calibration of instruments. C. and D. For possession in Automation Industries, Gamma Industries and Technical Operations exposure devices and source changers for performance of inspection and maintenance of equipment.			

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MATERIALS LICENSE

Supplementary Sheet

License Number 06-12117-02

CONDITIONS

Docket or
Reference No. _____

Amendment No. 03

10. Licensed material may be used at the licensee's facilities at 290 Governor Street, East Hartford, Connecticut and 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.
11. The licensee shall comply with the provisions of Title 10, Chapter 1, Code of Federal Regulations, Part 19, "Notices, Instructions and Reports to Workers; Inspections" and Part 20, "Standards for Protection Against Radiation."
12. Licensed material shall be used by, or under the supervision of, Frank L. Clifford.
13. A. (1) Each sealed source containing licensed material, other than Hydrogen 3 with a half-life greater than thirty days and in any form other than gas shall be tested for leakage and/or contamination at intervals not to exceed six months. 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 received from another person shall not be put into use until tested.
- (2) The periodic leak test required by this condition does not apply to sealed sources that are stored and not being used. The sources excepted from this test shall be tested for leakage prior to any use or transfer to another person unless they have been leak tested within six months prior to the date of use or transfer.
- B. The test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. The test sample shall be taken from the sealed source or from the surfaces of the device in which the sealed source is permanently mounted or stored on which one might expect contamination to accumulate. Records of leak test results shall be kept in units of microcuries and maintained for inspection by the Commission.
- C. If the test reveals the presence of 0.005 microcurie or more of removable contamination, the licensee shall immediately withdraw the sealed source from use and shall cause it to be decontaminated and repaired or to be disposed of in accordance with Commission regulations. A report shall be filed within 5 days of the test with the U. S. Nuclear Regulatory Commission, Region I, Office of Inspection and Enforcement, 631 Park Avenue, King of Prussia, Pennsylvania 19406, describing the equipment involved, the test results, and the corrective action taken.
- D. Tests for leakage and/or contamination shall be performed by the licensee or by other persons specifically authorized by the Commission or an Agreement State to perform such services.

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Supplementary Sheet

CONDITIONS

License Number 06-12117-02

Docket or

Reference No. _____

Amendment No. 03

(continued)

14. Sealed sources containing licensed material shall not be opened.
15. The licensee may transport licensed material or deliver licensed material to a carrier for transport in accordance with the provisions of Title 10, Code of Federal Regulations, Part 71, "Packaging of Radioactive Material for Transport and Transportation of Radioactive Material Under Certain Conditions."
16. Except as specifically provided otherwise by this license, the licensee shall possess and use licensed material described in Items 6, 7, and 8 of this license in accordance with statements, representations, and procedures contained in application dated June 1, 1979 as amended by letter dated February 8, 1980. The Nuclear Regulatory Commission's regulations shall govern the licensee's statements in applications or letters, unless the statements are more restrictive than the regulations.

Date

MAY 05 1980

For the U. S. Nuclear Regulatory Commission

JAMES A. JONES

by Material Licensing Branch

Division of Fuel Cycle and

JAN 16 1984

Docket Nos. 30-04577 /
30-13024V

License Nos. 20-00302-02
20-17594-01

J. G. Sylvester, Associates Inc.
ATTN: Mr. Dennis Yeaton
Vice President
900 Hingham Street
Rockland, Massachusetts 02370

Gentleman:

Subject: Inspection No. 030-04577/83-01 and 030-13024/83-01

This refers to the routine safety inspection conducted by Ms. J. McGinness of this office on October 25, 1983 of activities authorized by NRC License Nos. 20-00302-02 and 20-17594-01 and to the discussions of our findings held by Ms. McGinness with yourself at the conclusion of the inspection.

The inspection was an examination of activities conducted under your license as they relate to radiation safety and to compliance with the Commission's rules and regulations and the conditions of your licenses. The inspection consisted of selective examinations of procedures and representative records, interviews with personnel, measurements made by the inspector, and observations by the inspector.

Our inspector also verified the steps you have taken to correct the violations brought to your attention in a letter dated December 16, 1981. We have no further questions regarding your action at this time.

Based on the results of this inspection, it appears that certain of your activities were not conducted in full compliance with NRC requirements, as set forth in the Notice of Violation, enclosed herewith as Appendix A. These violations have been categorized by severity level in accordance with the NRC Enforcement Policy (10 CFR 2, Appendix C) published in the Federal Register Notice (47 FR 9987) dated March 9, 1982. You are required to respond to this letter and in preparing your response, you should follow the instructions in Appendix A.

In accordance with Section 2.790 of the NRC's "Rules of Practice," Part 2, Title 10, Code of Federal Regulations, a copy of this letter and your reply will be placed in the Public Document Room.

The responses directed by this letter and the accompanying Notice are not subject to the clearance procedures of the Office of Management and Budget as required by the Paperwork Reduction Act of 1980, PL 96-511.

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JAN 16 1984

Your cooperation with us in this matter is appreciated.

Sincerely,

Original Signed By:
John D. Kinneman

for Thomas T. Martin, Director
Division of Engineering and
Technical Programs

Enclosure: Appendix A, Notice of Violation

cc w/encl:
Public Document Room (PDR)
Nuclear Safety Information Center (NSIC)
Commonwealth of Massachusetts (2)

bcc w/encl:
Region I Docket Room (w/concurrences)
Senior Operations Officer (w/o encl)

for *Kinneman*
RI:DETP
McGinness/cop
1/12/84

Kinneman
RI:DETP
Kinneman
1/2/84

JAN 15 1984

APPENDIX A
NOTICE OF VIOLATION

J. G. Sylvester, Associates, Inc.
Rockland, Massachusetts

Docket Nos. 30-04577

License Nos. 20-00302-02

As a result of the inspection conducted on October 25, 1983, and in accordance with the NRC Enforcement Policy (10 CFR 2, Appendix C), the following violations were identified:

- A. 10 CFR 34.31(a) requires that no licensee permit any person to act as a radiographer until that person has been instructed on the subjects outlined in 10 CFR 34, Appendix A, and has demonstrated an understanding of them by successful completion of a written test and field examination and, has received copies of the licensee's operating and emergency procedures and has demonstrated an understanding of them.

Contrary to the above, as of October 25, 1983, an individual was permitted to act as a radiographer prior to receiving instruction in the subjects in 10 CFR 34, Appendix A, and demonstrating an understanding of them by completion of a written test and field examination and prior to receiving the operating and emergency procedures and demonstrating an understanding of them.

This is a Severity Level IV violation (Supplement VI).

- B. 10 CFR 34.31(b)(1) requires that no licensee permit any person to act as a radiographer's assistant until that person has received copies of the licensee's operating and emergency procedures and has demonstrated an understanding of them.

Contrary to the above, as of the October 25, 1983, an individual was permitted to act as a radiographer's assistant prior to receiving copies of the operating and emergency procedures and prior to demonstrating an understanding of them.

This is a Severity Level IV violation. (Supplement VI)

Pursuant to the provisions of 10 CFR 2.201, J. G. Sylvester Associates, Inc. is hereby required to submit to this office within thirty days of the date of the letter which transmitted this Notice, a written statement or explanation in reply, including: (1) the corrective steps which have been taken and the results achieved; (2) corrective steps which will be taken to avoid further violations; and (3) the date when full compliance will be achieved. Where good cause is shown, consideration will be given to extending this response time.

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