

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, 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.

Licensee		In accordance with letter dated October 23, 1991	
1. Radiation Sterilizers, Inc.		3. License number 04-19644-01 is amended in its entirety to read as follows:	
2. 4020 Clipper Court Fremont, CA 94538-6540		4. Expiration date	October 31, 1996
		5. Docket or Reference No	030-19025
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	
A. Cobalt-60	A. Sealed Sources (Nordion Model No. C-188, Neutron Products Inc. Model No. NPRP-450-10B or General Electric Model No. GEPR-183XX)	A. Not to exceed 15,000 curies per source. Total possession not to exceed 5,000,000 curies.	

9. Authorized Use

- A. For possession and use in a wet storage irradiator for irradiation of materials described in application dated September 12, 1991 (excluding explosive or highly flammable materials).

CONDITIONS

10. Licensed material shall be used only at the licensee's facilities located at 305 Enterprise Drive, Westerville, Ohio.
11. Licensed material shall be used by, or under the supervision and in the physical presence of, Donald Currie, Lisa Foster, Michael Hope, Patrick Hope, Holly Stern, Michael Troutman, James Hope, Robert Byus, James French, or Kirk Howard.
12. A. (1) The source(s) specified in Item(s) 7.A. shall be tested for leakage and/or contamination at intervals not to exceed 6 months in accordance with the procedures outlined in Item 10.5 of application dated September 12, 1991. Any source received from another person which is not accompanied by a certificate indicating that a test was performed within 6 months before the transfer shall not be put into use until tested.

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- (2) Notwithstanding the periodic leak test required by this condition, any licensed sealed source is exempt from such leak tests when the source contains 100 microcuries or less of beta and/or gamma emitting material or 10 microcuries or less of alpha emitting material.
- B. Any source in storage and not being used need not be tested. When the source is removed from storage for use or transfer to another person, it shall be tested before use or transfer.
- C. The test shall be capable of detecting the presence of 0.05 microcurie of radioactive material on the test sample. If the test reveals the presence of 0.05 microcurie or more of removable contamination, the source shall be removed from service and decontaminated, repaired, or disposed of in accordance with Commission regulations. A report shall be filed within 5 days of the date the leak test result is known with the U.S. Nuclear Regulatory Commission, Region III, 799 Roosevelt Road, Glen Ellyn, Illinois 60137, ATTN: Chief, Nuclear Materials Safety Branch. The report shall specify the source involved, the test results, and corrective action taken. Records of leak test results shall be kept in units of microcuries and shall be maintained for inspection by the Commission. Records may be disposed of following Commission inspection.
- D. Tests for leakage and/or contamination shall be performed by the licensee or by other persons specifically licensed by the Commission or an Agreement State to perform such services.
- E. The licensee is authorized to collect leak test samples for analysis by Stan Huber and Associates or tests for leakage and/or contamination shall be performed by persons specifically licensed by the Commission or an Agreement State to perform such services.
13. Licensed material shall not be used in or on human beings or in products distributed to the public.
14. Irradiation of foods and the distribution of foods for human consumption shall be in accordance with the rules and regulations of the Food and Drug Administration, U.S. Department of Health and Human Services.
15. The licensee shall maintain pool water conductivity at or below 10 microsiemens per centimeter.
16. Written instructions contained in Items. 10.1, 10.1.8, 10.10, 10.11, and 10.17 of application dated September 12, 1991 shall be followed and a copy of these instructions shall be made available to each individual using or having responsibility for use of licensed material. Any changes in these instructions shall have the prior approval of the Material Licensing Section, Region III, U.S. Nuclear Regulatory Commission, 799 Roosevelt Road, Glen Ellyn, IL 60137.

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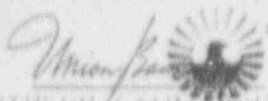
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17. This license does not authorize repairs or alterations of the irradiator involving removal of shielding or access to the licensed material except as provided otherwise by specific condition of this license. Installation, relocation, removal, and replacement of sealed sources shall be performed by, or under the supervision and in the physical presence of, at least two of the following individuals, Donald Currie, Holly Stern, Michael Troutman, Lisa Foster, Barry Fairand, Patrick Hope, Michael Hope, Robert Ramsey, Tom Mates, Paul Wingfield or James Hope in accordance with the Operating Procedure No. RSI-OP-001W, Revision 0, issued January 26, 1989.
18. The licensee shall cease operation of the irradiator if any safety system device identified in Item 10.7 of application dated September 12, 1991 is inoperable or in a "failed" condition until the device is repaired or replaced. The licensee shall maintain records of these events.
19. After installation of the irradiator and Cobalt-60 source and prior to initiation of the irradiation program, a radiation survey shall be conducted to determine radiation levels around, above, and below the irradiator with the source in the irradiate position and with the source in the shielded position. A detailed report of the results of the surveys shall be sent to the Material Licensing Section, U.S. Nuclear Regulatory Commission, Region III, 799 Roosevelt Road, Glen Ellyn, Illinois 60137, not later than thirty (30) days following installation of the source.
20. The licensee shall maintain records of information important to safe and effective decommissioning at 305 Enterprise Drive, Westerville, Ohio per the provisions of 10 CFR 30.35(g) until this license is terminated by the Commission.
21. 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 September 12, 1991 (with attachments).
 - B. Operating Procedure No. RSI-OP-001W, Revision 0, issued January 26, 1989.
 - C. Architectural Drawing Nos. 502-100 dated October 31, 1983, 502-108 dated October 6, 1983, 502-600 dated August 4, 1983 and 502-601 dated August 4, 1983.

For the U.S. Nuclear Regulatory Commission

Date: November 13, 1991

By Patricia J. Pedre
Materials Licensing Section, Region III



SCHEDULE "B"

NORTHERN CALIFORNIA
INTERNATIONAL
460 HIGHLANDER ROAD, SUITE 11
OAKLAND, CALIF. 94621

OUR REFERENCE NUMBER
(PLEASE ALWAYS QUOTE)

71571058

DATE OF ISSUE

12 NOV 1991

DATE OF EXPIRY

31 DEC 1992

A) OUR LETTERS

DOCUMENTS TO BE PRESENTED WITHIN
10 DAYS AFTER THE DATE OF
ISSUANCE OF THE SHIPPING DOCUMENT(S)
BUT WITHIN THE VALIDITY OF THE CREDIT

APPLICANT
(RADIATION STERILIZATION IN
WESTERVILLE FACILITY)
105 ENTERPRISE DRIVE
WESTERVILLE, OHIO 43081-0071

BENEFICIARY
UNITED STATES NUCLEAR REGULATORY
COMMISSION - OFFICE OF NUCLEAR
MATERIAL SAFETY AND SAFEGUARDS
WASHINGTON, D.C. 20555

DIVISING BANK

AMOUNT USD*****75,000.00

SEVENTY FIVE THOUSAND UNITED STATES
DOLLARSPARTIAL SHIPMENTS
N/ATRANSSHIPMENT
N/A

CREDIT AVAILABLE WITH OURSELVES

SHIPMENT/DESPATCH/TAKING IN CHARGE FROM/AT

PAYMENT
BY AGAINST PRESENTATION OF THE
DOCUMENTS DETAILED HEREIN AND OF YOUR DRAFT(S)
AT

OURSELVES
DRAWN ON

DOCUMENTS

YOUR SIGNED AND DATED STATEMENT READING AS FOLLOWS
'WE HEREBY CERTIFY THAT THE AMOUNT OF THE DRAFT IS PAYABLE
PURSUANT TO REGULATIONS ISSUED UNDER THE AUTHORITY OF THE
UNITED STATES NUCLEAR REGULATORY COMMISSION'.

INSTRUCTIONS:

DRAFTS UNDER THIS CREDIT MUST BE DRAWDN UNDER UNION BANK
SAN FRANCISCO, CALIFORNIA CREDIT NO. 71571058 DATED NOVEMBER 12,
1991 AND PRESENTED AT OUR OFFICE NOT LATER THAN 3:00 P.M. ON OR
BEFORE THE DATE OF EXPIRY.

THIS ORIGINAL LETTER OF CREDIT MUST BE PRESENTED TO US WITH ALL
DRAWINGS FOR OUR ENDORSEMENT OF PAYMENTS TO YOU.

WE HEREBY UNDERTAKE THAT DRAFTS DRAWN IN COMPLIANCE WITH THE
TERMS OF THE CREDIT WILL BE PAID & HONORED BY US.

*****END OF DOCUMENT*****

CUSTOMERS AGREEMENT
WE AGREE TO THE TERMS AND
CONDITIONS AS SET FORTH
ON THIS LETTER OF CREDIT.

AUTHORIZED SIGNATURE

SCHEDULE "C"

The Trustee shall be entitled to reasonable compensation for its services as agreed upon in writing with the Grantor.

(Fees to be determined at a later date.)

SCHEDULE "D"

CERTIFICATE OF SECRETARY

I hereby attest to the occurrence of the following events:

EVENT

DATE OF OCCURRENCE

Radiation Sterilizers, Inc.

Diana Huffman
Corporate Secretary

CERTIFICATE OF CONDITIONS

I hereby attest to the following:

- (1) That decommissioning is proceeding pursuant to an NRC-approved plan.
- (2) That the funds withdrawn will be expended for activities undertaken pursuant to that plan, and
- (3) That the NRC has been given 30 days prior notice of intent to withdraw funds from the escrow fund.

Radiation Sterilizers, Inc.

Diana Huffman
Corporate Secretary