

MATERIALS LICENSE

Amendment No. 05

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, 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.

OFFICIAL RECORD COPY

Licensee		In accordance with letter dated January 27, 1997,	
1. Dositec, Inc.		3. License Number 20-21326-01 is amended in its entirety to read as follows:	
2. 139 Newbury Street Framingham, Massachusetts 01701-4535		4. Expiration Date September 30, 2003	
		5. Docket or Reference No. 030-20520	
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. Cesium 137	A. Sealed source (Oak Ridge National Laboratories Model)	A. 50 curies	
B. Cesium 137	B. Sealed source (J. L. Shepherd and Associates Model 6810)	B. 440 curies	
C. Cesium 137	C. Sealed source (Amersham Model No. X.8)	C. 130 millicuries	
9. Authorized use			
A. For use in Technical Operations Model 682 Calibrator for initial calibration of radiation detection instruments.			
B. and C. For use in a J. L. Shepherd and Associates Model No. 89 calibrator for initial calibration of radiation detection instruments.			

CONDITIONS

10. Licensed material may be used only at the licensee's facilities at 139 Newbury Street, Framingham, Massachusetts and 4 Avenue E, Hopkinton, Massachusetts.
11. A. Licensed material shall be used by, or under the supervision and in the physical presence of Sam S. Hsu, Ph.D. or individuals who have received the training described in application dated August 22, 1993 and have been approved in writing by the Radiation Safety Officer. The licensee shall maintain records of individuals designated as users for three years following the last use of licensed material by the individual.
- B. The Radiation Safety Officer for this license is Sam S. Hsu, Ph.D.
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.

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C PDR

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SUPPLEMENTARY SHEET**

License Number

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(12. Continued)

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- 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.
- 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.

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(Continued)

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13. The licensee shall not perform repairs or alterations of the irradiator involving removal of shielding or access to the licensed material. Removal, replacement, and disposal of sealed sources in the irradiator shall be performed by a person specifically licensed by the Commission or an Agreement State to perform such services.
14. 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 August 22, 1993
 - B. Letter dated September 17, 1993
 - C. Letter dated January 27, 1997

For the U.S. Nuclear Regulatory Commission

Original Signed By:
Judith A. Joustra

Date FEB - 4 1997

By

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

FEB - 4 1997

Sam S. Hsu, Ph.D.
President
Dositec, Incorporated
139 Newbury Street
Framingham, Massachusetts 01701-4535

Dear Dr. Hsu:

This refers to your license amendment request. Enclosed with this letter is the amended license. Please note that as part of this amendment, in accordance with 10 CFR 30.36, effective February 15, 1996, the expiration date of your license has been extended by a period of five years. Your new expiration date is stated in Item 4 of the license. In addition, please note that Condition 10 of the enclosed license authorizes both your current place of use in Framingham, Massachusetts and your proposed new location of use in Hopkinton, Massachusetts. Once you have removed all licensed radioactive material from the Framingham facility please inform this office in writing and refer to Mail Control No. 124201.

Please review the enclosed document carefully and be sure that you understand and fully implement all the conditions incorporated into the amended license. If there are any errors or questions, please notify the U.S. Nuclear Regulatory Commission, Region I Office, Licensing Assistance Team, (610) 337-5093 or 5239, so that we can provide appropriate corrections and answers.

Thank you for your cooperation.

Sincerely,

Original Signed By:

Judith A. Joustra
Division of Nuclear Materials Safety

License No. 20-21326-01
Docket No. 030-20520
Control No. 124201

Enclosure:
Amendment No. 05

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DOCUMENT NAME: R:\WPS\MLTR\L2021326.01

To receive a copy of this document, indicate in the box: "C" = Copy w/o attach/encl "E" = Copy w/ attach/encl "N" = No copy

OFFICE	DNMS/Ri	N	DNMS/Ri				
NAME	JJoustra						
DATE	02/03/97	02/ /97	02/ /97	02/ /97			

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DOSITEC

DOSITEC, INC.
139 NEWBURY STREET
FRAMINGHAM, MA 01701-4535
USA
TEL. (508) 875-8777
FAX. (508) 620-0783

January 27, 1997

U.S. Nuclear Regulatory Commission
Region 1
475 Allendale Road
King of Prussia, PA 19406-1415

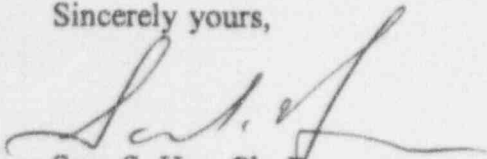
030-20520

RE: License No. 20-21326-01
Amendment Fee \$300.00

New address: 4 Avenue E
Hopkinton, MA 01748

This letter is to request that an amendment be made to the license above for Dositec, Inc. because of a change of address. We expect to move on or about Feb. 10, 1997. The company that is going to relocate the calibrators requires the amended license before scheduling the move. I respectfully request that the amended license be sent to Dositec by Federal Express Priority Overnight service (Acct number: 1122-9062-1), and a copy be faxed to our office at (508)620-0783, as soon as possible.

Sincerely yours,



Sam S. Hsu, Ph. D.
President and Radiation safety Officer

cmb/enclosure

Check No. 4083 / \$300.00

124201

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FEB - 3 1997

BETWEEN:

LICENSE FEE MANAGEMENT BRANCH, ARM
AND
REGIONAL LICENSING SECTIONS

(FOR LFMS USE)
INFORMATION FROM LTS

PROGRAM CODE: 03222
STATUS CODE: 0
FEE CATEGORY: 3P
EXP. DATE: 20030930
FEE COMMENTS: 3P-6/20/85 TELECON
DECOM FIN ASSUR REQD: N
.....

LICENSE FEE TRANSMITTAL

A. REGION I

1. APPLICATION ATTACHED
APPLICANT/LICENSEE: DOSITEC, INC.
RECEIVED DATE: 970203
DOCKET NO: 3020520
CONTROL NO.: 124201
LICENSE NO.: 20-21326-01
ACTION TYPE: AMENDMENT

2. FEE ATTACHED
AMOUNT: \$ 300.00
CHECK NO.: 0004083

3. COMMENTS

SIGNED M. A. Perkins
DATE 2/3/97

B. LICENSE FEE MANAGEMENT BRANCH (CHECK WHEN MILESTONE 03 IS ENTERED 1 ✓)

1. FEE CATEGORY AND AMOUNT: 3P \$ 300

2. CORRECT FEE PAID. APPLICATION MAY BE PROCESSED FOR:
AMENDMENT _____
RENEWAL _____
LICENSE _____

3. OTHER _____

Log	<u>I (97)</u>	SIGNED	_____
Remitter	<u>Feb 11</u>	DATE	_____
Check No.	<u>0004083</u>		
Amount	<u>\$300</u>		
Fee Category	<u>3P</u>		
Type of Fee	<u>AMD</u>		
Date Check Rec'd	<u>2/12/97</u>		
Date Completed	<u>2/12/97</u>		
By	<u>JB</u>		

03+ 07 return for 2/4/97 - Expedite.