



December 12, 2002

Regional Administrator
Division of Nuclear Material Safety
ATT: Sheryl Villar, Reciprocity Request
Nuclear Materials Safety Branch
U.S. Nuclear Regulatory Commission, Region I
475 Allendale Road
King of Prussia, PA 19406

Dear Ms. Villar:

CIS-US, Inc. is pleased to apply for authorization to install and service Model IBL-437C Gamma Irradiators for specific licensees of the Commission, in reciprocal recognition of Massachusetts Materials License No. 20-9734. We remit herewith the prescribed fee of Fourteen Hundred Dollars (\$1400.00), together with an initial Form 241 report of proposed activities in CY 2003 and four copies of the license.

We will fax Form 241 clarification reports to 610.337.5269 at least 3 days prior to scheduled activities, and otherwise will act to obtain prior authorization if we must provide expedited service on an inoperable machine. Also, because we service only specific licensees and "use" only licensed material that is their irradiators, we again request the Commission's concurrence with our intent to exhibit clients' copies of USNRC Regulations as our virtual possession of such to meet your reciprocity requirements.

Thank you for assisting us in this timely filing of our irradiator field service reciprocity in USNRC jurisdictions during CY 2003. Please feel free to contact me immediately if ever you have any questions or concerns regarding our licensed program.

Sincerely,

Paul M. Tyree
Radiation Safety Officer
X3020, ptyree@cisusinc.com

enc. Remittance of fee
Form NRC 241 Initial Report w/attachment & license (4 copies)

**REPORT OF PROPOSED ACTIVITIES IN
 NON-AGREEMENT STATES, AREAS OF EXCLUSIVE
 FEDERAL JURISDICTION, OR OFFSHORE WATERS**

(Please read the instructions before completing this form)

<p>1. NAME OF LICENSEE <i>(Person or firm proposing to conduct the activities described below)</i></p> <p>CIS-US, Inc.</p>	<p>2. TYPE OF REPORT</p> <p><input checked="" type="checkbox"/> INITIAL <input type="checkbox"/> REVISION <input type="checkbox"/> CLARIFICATION</p>
<p>3. ADDRESS OF LICENSEE <i>(Mailing address or other location where licensee may be located)</i></p> <p>10 DeAngelo Drive Bedford, Massachusetts 01730</p>	<p>4. LICENSEE CONTACT AND TITLE</p> <p>Paul M. Tyree, Radiation Safety Officer</p>
<p>5. TELEPHONE NUMBER <i>(Include Area Code)</i></p> <p>781.275.7120 x3020</p>	
<p>6. FACSIMILE NUMBER <i>(Include Area Code)</i></p> <p>781.275.5191</p>	

7. ACTIVITIES TO BE CONDUCTED UNDER THE GENERAL LICENSE GIVEN IN 10 CFR 150.20

WELL LOGGING LEAK TESTING AND/OR CALIBRATIONS TELETHERAPY/IRRADIATOR SERVICE
 PORTABLE GAUGES OTHER (Specify) ⇒ _____
 RADIOGRAPHY ⇒ _____ REGISTERED AS USER OF PACKAGING (CERTIFICATES OF COMPLIANCE NUMBERS)

<p>8. CLIENT NAME, ADDRESS, CITY/COUNTY, STATE, ZIP CODE</p> <p>See "Attachment to NRC Form 241 INITIAL CY2003 Report to Region I. Items 9-16" 47 days planned for 1-day temporary jobsites at 47 USNRC-licensed locations.</p>	<p>9. ACTUAL PHYSICAL ADDRESS OF WORK LOCATION <i>(Street and Number or other location. Give as complete an address or directions as possible.)</i></p>
<p>10. CLIENT TELEPHONE NUMBER <i>(Include Area Code)</i></p>	<p>11. WORK LOCATION TELEPHONE NUMBER <i>(Include Area Code)</i></p>

12. DATES SCHEDULED	13. NUMBER OF WORK DAYS	14. ADD	15. DELETE	16. LOCATION REFERENCE NUMBER
FROM: _____ TO: _____				NUMBER TO BE ASSIGNED BY NRC

LIST ADDITIONAL WORK SITES ON SEPARATE SHEET(S) TO INCLUDE ALL INFORMATION CONTAINED IN ITEMS 9-16 ABOVE.

17. LIST RADIOACTIVE MATERIAL, WHICH WILL BE POSSESSED, USED, INSTALLED, SERVICED, OR TESTED
(Include description of type and quantity of radioactive material, sealed sources, or devices to be used.)

**Scheduled annual PM service of Model IBL 437C Irradiators having
 1, 2 or 3 Model CSL-15 Cs-137 sources, nte 1870 Ci ea. at label date.**

18. AGREEMENT STATE SPECIFIC LICENSE WHICH AUTHORIZES THE UNDERSIGNED TO CONDUCT ACTIVITIES WHICH ARE THE SAME, EXCEPT FOR LOCATION OF USE, AS SPECIFIED IN ITEM 9. ABOVE. <i>(Four copies of the specific license must accompany the initial NRC Form 241.)</i>	LICENSE NUMBER	STATE	EXPIRATION DATE
	20-9734	MA	30-Sep-07

19. CERTIFICATION (MUST BE COMPLETED BY APPLICANT)

I, THE UNDERSIGNED, HEREBY CERTIFY THAT:

- All information in this report is true and complete.
- I have read and understand the provision of the general license 10 CFR 150.20 reprinted on the instructions of this form; and I understand that I am required to comply with these provisions as to all byproduct, source, or special nuclear material which I possess and use in non-Agreement States or offshore waters under the general license for which this report is filed with the U.S. Nuclear Regulatory Commission.
- I understand that activities, including storage, conducted in non-Agreement States under general license 10 CFR 150.20 are limited to a total of 180 days in calendar year. With the exception of work conducted in off-shore waters, which is authorized for an unlimited period of time in the calendar year.
- I understand that I may be inspected by NRC at the above listed work site locations and at the Licensee home office address for activities performed in non-Agreement States or offshore waters.
- I understand that conduct of any activities not described above, including conduct of activities on dates or locations different from those described above or without NRC authorization, may subject me to enforcement action, including civil or criminal penalties.

CERTIFYING OFFICER - RSO or Management Representative <i>(Name and Title)</i>	SIGNATURE	DATE
Glenn Alto, Exec. Vice Pres./C.O.O.	<i>Glenn Alto</i>	12/10/02

WARNING: False statements in this certificate may be subject to civil and/or criminal penalties. NRC regulations require that submissions to the NRC be complete and accurate in all material respects. 18 U.S.C. Section 1001 makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

FOR NRC USE ONLY	REVIEWING OFFICIAL <i>(Typed/Printed Name and Title)</i>	SIGNATURE	DATE	TOTAL USAGE -- DAYS TO DATE
		<i>John McCreath</i>	1/6/03	8

@ 01/06/03

IBL 437C FIELD SERVICE SITES BY USNRC JURISDICTION

12. Initial CY'03 1 sched day	12. Amend Clarify date(s)	13-15. Work Days, +/-	16. NRC Ref #	8., 9. CLIENT NAME	8., 9. ADDRESS	CITY	ST	ZIP	10, 11 PHONE	USNRC LICENSE #	IBL S/N, TYPE	CSL-15 Cs-137 Sources
				ALASKA	1							
30-Jul-03				BLOOD BANK OF ALASKA, INC.	4000 LAUREL STREET	ANCHORAGE	AK	99523	907-563-3110	50-29114-01	97-572 H	1
				CONNECTICUT	1							
15-Feb-03				THE STAMFORD HOSPITAL	SHELBURNE @ W. BROAD	STAMFORD	CT	06904	203/325-7422	06-06697-03	94-444 H	1
				DELAWARE	1							
18-Apr-03				A. I. DUPONT INSTITUTE	1600 ROCKLAND ROAD	WILMINGTON	DE	19899	302-651-5678	07-16199-03	91-338 H	1
				HAWAII	1							
25-Mar-03				QUEENS MEDICAL CENTER	1301 PUNCHBOWL ST.	HONOLULU	HI	96813	808-547-4884	53-16533-02	90-312 H	3
				IDAHO	1							
20-Jun-03				ST. LUKES REGIONAL MC	190 EAST BANNOCK ST	BOISE	ID	83712	208-386-2612	IDA-13-2	88-279 G	3
				INDIANA	2							
19-Nov-03				INDIANA UNIVERSITY MEDICAL CENTER	550 N. UNIVERSITY BLVD.	INDIANAPOLIS	IN	46202	317/274-4797	13-02752-03	94-471 H	1
7-Aug-03				FLOYD MEMORIAL HOSPITAL	1850 STATE STREET	NEW ALBANY	IN	47150	812/949-7409	13-12371-01	95-519 H	1
				MICHIGAN	4							
17-Dec-03				WILLIAM BEAUMONT HOSPITAL	3601 W. 13 MILE ROAD	ROYAL OAK	MI	48073	313-551-9010	21-01333-01	85-219 B	2
21-May-03				EDWARD E. SPARROW HOSPITAL	1215 E. MICHIGAN AVE.	LANSING	MI	48909	517/483-2560	21-01430-01	94-432 H	1
5-Nov-03				OAKWOOD HOSPITAL & MEDICAL CENTER	18101 OAKWOOD BLVD.	DEARBORN	MI	48123	313/593-7301	21-04515-01	95-492 H	2
6-Aug-03				HURLEY MEDICAL CENTER	ONE HURLEY PLAZA	FLINT	MI	48502	810/257-9422	21-00338-02	95-528 H	1
				MINNESOTA	2							
17-Jan-03				MINNEAPOLIS CHILDREN'S HOSPITAL	2525 CHICAGO AVE. SOUTH	MINNEAPOLIS	MN	55404	612-863-6824	22-20499-01	87-255 G	3
16-Jan-03				AMERICAN RED CROSS BLOOD SERVICES	100 SO. ROBERT STREET	ST. PAUL	MN	55107	612/291-6789	22-15414-02	93-416 H	1
				MISSOURI	7							
22-May-03				UNIVERSITY HOSPITAL @ ST. LOUIS	3635 VISTA AVE. AT GRAND	ST. LOUIS	MO	63110	314-577-8379	24-25819-01	87-253 G	3
24-Jul-03				CHILDRENS MERCY HOSPITAL	2401 GILLHAM ST.	KANSAS CITY	MO	64108	816-234-3236	24-15513-01	87-247 G	2
26-Mar-03				ST. JOHN'S MERCY MEDICAL CENTER	615 S. NEW BALLAS RD.	ST. LOUIS	MO	63141	314-569-6398	24-00794-03	88-282 G	3
23-Apr-03				ST. JOHNS REGIONAL HEALTH CENTER	1235 EAST CHEROKEE	SPRINGFIELD	MO	65804	417-885-2883	24-00866-02	90-329 H	3
22-May-03				ST. LOUIS CHILDREN'S HOSPITAL	400 SOUTH KINGHIGHWAY	ST. LOUIS	MO	63110	314-362-2988	24-00167-13	92-387 H	3
6-Nov-03				SAINT LUKE'S HOSPITAL	WORNALL RD. AT W 44TH TER	KANSAS CITY	MO	64111	816/932-2575	24-00889-01	95-498 H	1
13-Feb-03				CARDINAL GLENNON CHILDREN'S	1465 GRAND BLVD	ST. LOUIS	MO	63104	314/577-5626	24-32264-01	99-652 H	2
				NEW JERSEY	7							
17-Sep-03				COOPER HOSPITAL	1 COOPER PLAZA	CAMDEN	NJ	08103	609-342-2452	29-08285-02	90-322 H	3
3-Jun-03				BERGEN COMM. REGIONAL BLOOD CNTR.	W-970 LINWOOD AVENUE	PARAMUS	NJ	07652		29-28744-01	92-372 H	3
4-Dec-03				NEW JERSEY BLOOD SERVICES	167 NEW STREET	NEW BRUNSWIC	NJ	08901	908/829-9105	29-30023-01	93-413 H	3
17-Sep-03				CENTRAL JERSEY BLOOD CENTER	494 SYCAMORE AVE.	SHREWSBURY	NJ	07702	908/842-5750	29-30150-01	94-435 H	3
4-Jun-03				R.W. JOHNSON UNIV. HOSPITAL	ONE R.W. JOHNSON PLACE	NEW BRUNSWIC	NJ	08903	908/937-8611	29-10173-03	95-491 H	2
13-Feb-03				HACKENSACK MEDICAL CENTER	30 PROSPECT STREET	HACKENSACK	NJ	07601	201-996-4813	29-02641-05	97-559 H	3
12-Feb-03				MORRISTOWN MEMORIAL HOSPITAL	100 MADISON AVE.	MORRISTOWN	NJ	07960	973-971-5620	29-05139-03	97-571 H	1

IBL 437C FIELD SERVICE SITES BY USNRC JURISDICTION

12. Initial CY'03 1 sched day	12. Amend Clarify date(s)	13.-15. Work Days, +/-	16. NRC Ref #	8., 9. CLIENT NAME	8., 9. ADDRESS	CITY	ST	ZIP	10, 11 PHONE	USNRC LICENSE #	IBL S/N, TYPE	CSL-15 Cs-137 Sources
				PENNSYLVANIA	9							
8-Apr-03			<i>000044</i>	ALLEGHENY GENERAL HOSPITAL	320 EAST NORTH AVE	PITTSBURGH	PA	15214	412-359-4051	37-01317-03	88-260 G	3
23-Oct-03				MERCY HOSPITAL	1400 LOCUST ST.	PITTSBURGH	PA	15219	412-232-7832	37-01321-04	88-266 G	3
23-Oct-03				TEMPLE UNIVERSITY HOSPITAL	3401 NORTH BROAD ST.	PHILADELPHIA	PA	19140	215-221-8247	37-00697-32	90-300 H	3
27-Mar-03				JEANES HOSPITAL	7600 CENTRAL AVE.	PHILADELPHIA	PA	19111	215/721-2000	37-05819-07	93-418 H	1
5-Jun-03				CHILDREN'S HOSPITAL OF PHILADELPHIA	34TH 7 CIVIC CENTER BLVD.	PHILADELPHIA	PA	19104	215/898-7187	37-00118-11	94-466 H	1
15-Aug-03				UNIV. OF PENNSYLVANIA	437 GUARDIAN DRIVE	PHILADELPHIA	PA	19104	215/573-9275	20-00118-11	94-470 H	1
19-Feb-03				MILTON S. HERSHEY MEDICAL CENTER	500 UNIVERSITY DRIVE	HERSHEY	PA	17033	717/531-8232	37-13831-04	95-517 H	2
28-Aug-03				THOMAS JEFFERSON UNIVERSITY HOSPITAL	111 SO. 11TH STREET	PHILADELPHIA	PA	19107	215/955-7813	37-00148-07	95-532 H	2
5-Jun-03				CHILDREN'S HOSPITAL OF PHILADELPHIA	34TH 7 CIVIC CENTER BLVD.	PHILADELPHIA	PA	19104	215/590-7085	37-00118-11	643	3
				VIRGINIA	1							
21-Feb-03				RICHMOND METRO. BLOOD SERVICE	2201 WESTWOOD AVE.	RICHMOND	VA	23230	804-359-5100	45-24871-01	88-261 G	1
				VERMONT	1							
7-Aug-03				FLETCHER ALLEN MEMORIAL MC	111 COLCHESTER AVE	BURLINGTON	VT	05401	802-656-3506	44-10187-04	91-354 H	2
				WISCONSIN	1							
20-Nov-03				BLOOD CENTER of S.E. WISCONSIN	1701 W. WISCONSIN AVE.	MILWAUKEE	WI	53233	414-937-6111	48-02000-02	90-301 H	3
				PUERTO RICO	1							
23-Jan-03				BANCO DE SANGRE DE SERVICIOS MUTUOS	662 PONCE DE LEON AVE.	HATO REY	PR	00918	809/751-6161	52-25344-01	94-462 H	1
				U.S. FEDERAL FACILITIES	7							
15-Dec-03				EISENHOWER ARMY MEDICAL CENTER		FORT GORDON	GA	30905	706-791-6392	10-12044-04	92-360 H	3
26-Jun-03				HHS-NATIONAL INSTITUTES OF HEALTH	9000 ROCKVILLE PIKE, BLDG. 10	BETHESDA	MD	20892	301-496-5774	19-00296-17	92-382 H	3
20-Jun-03				NEW BROOKE ARMY MEDICAL CENTER	3600 GEORGE C. BEACH AVE	SAN ANTONIO	TX	78234	210/916-6179	42-01368-01	94-463 H	3
17-Jun-03				WILLIAM BEAUMONT ARMY MEDICAL CENTER	5005 N. PIEDRAS STREET	EL PASO	TX	79920	915/568-7588	42-05255-07	95-516 H	2
23-Jan-03				WILFRED HALL MEDICAL CENTER-USAF	2200 BERQUIST DRIVE	LACKLAND AFB	TX	78236	210-292-4604	4-02682-00/09AF	95-527 H	3
2-Dec-03				NAVAL MEDICAL CENTER/CHARETTE HCC	260 JOHN PAUL JONES CIR.	PORTSMOUTH	VA	3708-219	757/953-1220	45-00183-11NP	98-588 H	2
11-Dec-03				DARNALL ARMY HOSPITAL	36000 WRATTEN DRIVE	FORT HOOD	TX	76544	254/288-8249	42-19113-01	99-651	2
				Days in 14 NRC STATES	39							
				Days in P.R. & FED FACILITIES	8							
				TOTAL DAYS AT NRC IBL SITES	47							



THE COMMONWEALTH OF MASSACHUSETTS
 DEPARTMENT OF PUBLIC HEALTH
 RADIATION CONTROL PROGRAM
 MATERIALS LICENSE

Pursuant to Massachusetts General Laws Chapter 111, Sections 3, 5M, 5N, 5O and 5P and Massachusetts Regulations for the Control of Radiation, Section 120.100, Licensing of Radioactive Material, and in reliance on statements and representation heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer radioactive materials 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 105 CMR 120.000. This license shall be deemed to contain the conditions specified in 105 CMR 120.000 and is subjected to all applicable rules, regulations of the Department of Public Health, Commonwealth of Massachusetts, now or hereafter in effect and to any conditions specified below.

<p style="text-align: center;">Licensee</p> <p>1. CIS-US, Incorporated</p> <p>2. 10 DeAngelo Drive Bedford, Massachusetts 01730</p>	<p>3. License Number: 20-9734 is renewed in its entirety, in accordance with letter dated July 29, 2002, to read as follows:</p> <p style="padding-left: 40px;">Amendment No: 07</p> <p>4. Expiration Date: September 30, 2007</p> <p>5. Docket No: 99-0120</p>
---	---

6. Radioactive Material	7. Chemical / Physical Form	8. Maximum Possession Limit
A. Cesium 137	A. Sealed sources (CSL-15)	A. Not to exceed 1870 curies per source and 11220 curies total.

9. Authorized use:
- A. For possession incident to installation, maintenance and repair of ORIS/CBI Model IBL-437C irradiators. This authorization does not include installation, replacement or disposal of the sealed sources; and disassembly, breach, or modification of the source shield.

CONDITIONS

- 10. Licensed material may be used only at temporary job sites of the licensee anywhere in the Commonwealth of Massachusetts except areas under exclusive Federal jurisdiction. This condition does not prohibit use in states under the jurisdiction of the U.S. Nuclear Regulatory Commission or Agreement States under reciprocity procedures which may be established by the NRC or those states.

COMMONWEALTH OF MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH RADIATION CONTROL PROGRAM	LICENSE NUMBER: 20-9734
MATERIALS LICENSE SUPPLEMENTARY SHEET	DOCKET NUMBER: 99-0120
	AMENDMENT NUMBER: <u>07</u>

11. This license is subject to an annual fee as determined by the Executive Office for Administration and Finance.
12. The Radiation Safety Officer for the activities authorized by this license is Paul Tyree.
13. Licensed material listed in Item 6 above is only authorized for use by, or under the supervision and in the physical presence of, Richard L. McGrane, Michael M. Thomson, or Ronald G. McCoy.
14. Sealed sources or detector cells containing licensed material shall not be opened or sources removed from source holders or detector cells by the licensee.
15.
 - A. Sealed sources 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 105 CMR 120.128(N).
 - B. 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.
 - C. Sealed sources need not be leak tested if they are in storage and 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.
 - D. The leak test shall be capable of detecting the presence of 185 becquerel (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 Agency. If the test reveals the presence of 185 becquerel (0.005 microcurie) or more of removable contamination, a report shall be filed with the Agency 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 Massachusetts Department Of Public Health, ATTN: Director, Radiation Control Program, 174 Portland Street, Boston, Massachusetts, 02114. The report shall specify the source involved, the test results, and corrective action taken.

COMMONWEALTH OF MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH RADIATION CONTROL PROGRAM	LICENSE NUMBER: 20-9734
	DOCKET NUMBER: 99-0120
	AMENDMENT NUMBER: 07

- E. The licensee is authorized to collect leak test samples for analysis by the CIS-US, Incorporated. Alternatively, tests for leakage and/or contamination may be performed by persons specifically licensed by the Agency, the NRC or an Agreement State to perform such services.
16. The licensee shall only transport radioactive material or deliver radioactive material to a carrier for transport in accordance with the provisions of 49 CFR Parts 170 through 189, 10 CFR Part 71, and 105 CMR 120.770 "Transportation of Radioactive Material."
17. Except as specifically provided otherwise by this license, the licensee shall conduct its program in accordance with statements, representations and procedures contained in the documents, including any enclosures, listed below. The Massachusetts Regulations for the Control of Radiation (105 CMR 120.000) shall govern, unless statements, representations and procedures in the licensee's application and correspondence are more restrictive than the regulations.
- A. Letter dated July 29, 2002
B. Application dated July 29, 2002

FOR THE COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF PUBLIC HEALTH
RADIATION CONTROL PROGRAM

Date 08/05/02

By Robert Walker
for Robert M. Hallisey, Director

