

EXHIBIT 1

21516  
6.5  
030-03465

U.S. NUCLEAR REGULATORY COMMISSION APPROVED BY DMS 3190-0120 Exempt 5-21-87									
<p>10 CFR 30.32, 33, 34 30 and 40</p> <h2 style="text-align: center;">APPLICATION FOR MATERIAL LICENSE</h2>									
<p>INSTRUCTIONS: SEE THE APPROPRIATE LICENSE APPLICATION GUIDE FOR DETAILED INSTRUCTIONS FOR COMPLETING APPLICATION. SEND TWO COPIES OF THE ENTIRE COMPLETED APPLICATION TO THE NRC OFFICE SPECIFIED BELOW.</p>									
<p>FEDERAL AGENCIES FILE APPLICATIONS WITH:</p> <p>U.S. NUCLEAR REGULATORY COMMISSION DIVISION OF FUEL CYCLE AND MATERIAL SAFETY, NMSS WASHINGTON, DC 20555</p> <p>ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS, IF YOU ARE LOCATED IN:</p> <p>CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, MAINE, MARYLAND, MASSACHUSETTS, NEW JERSEY, NEW YORK, PENNSYLVANIA, RHODE ISLAND, OR VERMONT, SEND APPLICATIONS TO:</p> <p>U.S. NUCLEAR REGULATORY COMMISSION, REGION I NUCLEAR MATERIAL SECTION 8 631 PARK AVENUE KING OF PRUSSIA, PA 19406</p> <p>ALABAMA, FLORIDA, GEORGIA, KENTUCKY, MISSISSIPPI, NORTH CAROLINA, PUERTO RICO, SOUTH CAROLINA, TENNESSEE, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA, SEND APPLICATIONS TO:</p> <p>U.S. NUCLEAR REGULATORY COMMISSION, REGION II MATERIAL RADIATION PROTECTION SECTION 101 MARIETTA STREET, SUITE 2000 ATLANTA, GA 30333</p>	<p>IF YOU ARE LOCATED IN:</p> <p>ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCONSIN, SEND APPLICATIONS TO:</p> <p>U.S. NUCLEAR REGULATORY COMMISSION, REGION III MATERIALS LICENSING SECTION 799 ROOSEVELT ROAD GLEN ELLYN, IL 60137</p> <p>ARKANSAS, COLORADO, IDAHO, KANSAS, LOUISIANA, MONTANA, NEBRASKA, NEW MEXICO, NORTH DAKOTA, OKLAHOMA, SOUTH DAKOTA, TEXAS, UTAH, OR WYOMING, SEND APPLICATIONS TO:</p> <p>U.S. NUCLEAR REGULATORY COMMISSION, REGION IV MATERIAL RADIATION PROTECTION SECTION 611 RYAN PLAZA DRIVE, SUITE 1000 ARLINGTON, TX 76011</p> <p>ALASKA, ARIZONA, CALIFORNIA, HAWAII, NEVADA, OREGON, WASHINGTON, AND U.S. TERRITORIES AND POSSESSIONS IN THE PACIFIC, SEND APPLICATIONS TO:</p> <p>U.S. NUCLEAR REGULATORY COMMISSION, REGION V MATERIAL RADIATION PROTECTION SECTION 1450 MARIA LANE, SUITE 210 WALNUT CREEK, CA 94596</p>								
<p>PERSONS LOCATED IN AGREEMENT STATES SEND APPLICATIONS TO THE U.S. NUCLEAR REGULATORY COMMISSION ONLY IF THEY WISH TO POSSESS AND USE LICENSED MATERIAL IN STATES SUBJECT TO U.S. NUCLEAR REGULATORY COMMISSION JURISDICTION.</p>									
<p>1. THIS IS AN APPLICATION FOR (Check appropriate item):</p> <p><input type="checkbox"/> A. NEW LICENSE</p> <p><input checked="" type="checkbox"/> B. AMENDMENT TO LICENSE NUMBER <u>29-03047-01</u></p> <p><input type="checkbox"/> C. RENEWAL OF LICENSE NUMBER _____</p>	<p>2. NAME AND MAILING ADDRESS OF APPLICANT (Include Zip Code):</p> <p>Beth Israel Hospital 70 Parker Avenue Passaic, NJ 07055</p>								
<p>3. ADDRESS(ES) WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED:</p> <p>Same as in 2.</p>									
<p>4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION:</p> <p>Sreenivasa Murthy, M.S., Radiation Safety Officer</p> <p>TELEPHONE NUMBER: 201-365-5250</p>									
<p>SUBMIT ITEMS 5 THROUGH 11 ON ENCL. 11. PAPER: THE TYPE AND SCOPE OF INFORMATION TO BE PROVIDED IS DESCRIBED IN THE LICENSE APPLICATION GUIDE.</p>									
<p>5. RADIOACTIVE MATERIAL:</p> <p>a. Element and mass number; b. Chemical and/or physical form; and c. Maximum amount which will be possessed at any one time.</p>	<p>6. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED:</p>								
<p>7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING AND EXPERIENCE:</p>	<p>8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS:</p>								
<p>9. FACILITIES AND EQUIPMENT:</p>	<p>10. RADIATION SAFETY PROGRAM:</p>								
<p>11. WASTE MANAGEMENT:</p>	<p>12. LICENSEE FEE (See 10 CFR 170 and Section 170.31):</p> <p>FEE CATEGORY: 7B AMOUNT ENCLOSED: \$ 120.00</p>								
<p>13. CERTIFICATION: (Must be completed by applicant) THE APPLICANT UNDERSTANDS THAT ALL STATEMENTS AND REPRESENTATIONS MADE IN THIS APPLICATION ARE BINDING UPON THE APPLICANT. THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATION ON BEHALF OF THE APPLICANT, NAMED IN ITEM 2, CERTIFY THAT THIS APPLICATION IS PREPARED IN CONFORMITY WITH TITLE 10 CODE OF FEDERAL REGULATIONS PARTS 30, 32, 33, 34, 35, AND 40 AND THAT ALL INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF.</p> <p>WARNING: 18 U.S.C. SECTION 1001 ACT OF JUNE 25, 1948 (18 STAT. 149) 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.</p>									
<p>SIGNATURE—CERTIFYING OFFICER:</p> <p><i>Jeffrey Moll</i></p>	<p>TYPED/PRINTED NAME:</p> <p>Jeffrey Moll</p> <p>TITLE:</p> <p>President &amp; Chief Executive Officer</p> <p>DATE:</p> <p>11/12/90</p>								
<p>14. FINANCIAL RECORDS:</p> <p>a. ANNUAL RECEIPTS:</p> <table border="1"> <tr> <td>&lt; \$750K</td> <td>\$1M - 3.5M</td> </tr> <tr> <td>\$750K - 500K</td> <td>\$2.5M - 7M</td> </tr> <tr> <td>\$500K - 750K</td> <td>\$7M - 10M</td> </tr> <tr> <td>\$750K - 1M</td> <td>&gt; \$10M</td> </tr> </table> <p>b. NUMBER OF EMPLOYEES (Total for entire facility excluding outside contractors):</p> <p>c. NUMBER OF BEOs:</p>	< \$750K	\$1M - 3.5M	\$750K - 500K	\$2.5M - 7M	\$500K - 750K	\$7M - 10M	\$750K - 1M	> \$10M	<p>15. WOULD YOU BE WILLING TO FURNISH COST INFORMATION (Costs and/or profit) ON THE ECONOMIC IMPACT OF CURRENT NRC REGULATIONS OR ANY FUTURE PROPOSED NRC REGULATIONS THAT MAY AFFECT YOU? (NRC regulations permit it to protect confidential commercial or "independent" proprietary information furnished to the agency in confidence):</p> <p><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</p>
< \$750K	\$1M - 3.5M								
\$750K - 500K	\$2.5M - 7M								
\$500K - 750K	\$7M - 10M								
\$750K - 1M	> \$10M								
<p>FOR NRC USE ONLY</p>									
<p>TYPE OF FEE:</p> <p>License Fee</p>	<p>FEE CATEGORY:</p> <p>7C</p> <p>COMMENTS:</p> <p>Part of Rm. Pkg. Response to a discrepancy letter.</p>								
<p>AMOUNT RECEIVED:</p> <p>\$ 120</p>	<p>CHECK NUMBER:</p> <p>248346-58631 / Check Returned</p>								
<p>APPROVED BY:</p> <p><i>[Signature]</i></p> <p>DATE:</p> <p>12/2/90</p>									

PRIVACY ACT STATEMENT ON THE REVERSE

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PDR FOIA  
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PDR

EXH-3

OFFICIAL RECORD COPY MI 10

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# BETH ISRAEL HOSPITAL

70 PARKER AVENUE / PASSAIC, NEW JERSEY 07055 / (201) 365-5000

Renewal Request of NRC license 29-03047-01

## Item 8 Training Program

"We will establish and implement the model training program that was published in Appendix A to Regulatory Guide 10.8, Revision 2, and have appended a table ATT 8.1 that identifies the groups of workers who will receive training and the method and frequency of training."

## Item 8.2 Other Training Program

Not Applicable



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Item 9.2 Survey Instrument Calibration

"The licensee uses a private contractor for calibrating survey instruments. Our contractor, Bio-Med Associates of 4 Main Street, Blemington, NJ, NRC license 29-14967-01 has adopted the "Model Procedure for Calibrating Survey Instruments", published in Appendix B to Regulatory Guide 10.8, Revision 2.

Item 9.3 Dose Calibrator Calibration

"We will establish and implement the model procedure for calibrating our dose calibration that was published in Appendix C to Regulatory Guide 10.8, Revision 2."

Item 9.4 Personnel Monitoring Program

"We will establish and implement the model personnel external exposure monitoring program published in Appendix D to Regulatory Guide 10.8, Revision 2."

Item 9.5 Imaging Equipment

Not Applicable



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Item 10.1 Radiation Safety Program

"We will issue the model Radiation Safety Committee Charter and Radiation Safety Officer Delegation of Authority that was published in Appendix F to Regulatory Guide 10.8, Revision 2."

Item 10.2 ALARA Program

"We will establish and implement the model ALARA program that was published in Appendix G to Regulatory Guide 10.8, Revision 2."

Item 10.3 Leak Test

"We will establish and implement the model procedure for leak-testing sealed sources that was published in Appendix H to Regulatory Guide 10.8, Revision 2."



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## Item 10

### 10.4, Safe Use of Radiopharmaceuticals

"We will establish and implement the model Safety Rules published in Appendix I to Regulatory Guide 10.8, Revision 2."

### 10.5, Model Spill Procedures

"We will establish and implement the model Spill Procedures published in Appendix J to Regulatory Guide 10.8, Revision 2."

### 10.6, Ordering and Receiving

"We will establish and implement the model Guidance Ordering and Receiving Radioactive Material that was published in Appendix K to Regulatory Guide 10.8, Revision 2."



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10.11

"We will establish and implement the model procedure for keeping an inventory of implant sources that was published in Appendix M.4 to Regulatory Guide 10.8, Revision 2."

\*The licensee wishes to amend No. 1 - to read some implant sources shipped in manufacturers containers may be held in a designated locked room which has as its only function, the storage of implant sources.

This variation is requested because in certain circumstances it would be warranted to remove radioactive material from a shielded container in order to place this material in a safe or locked cabinet.

These designated shielded shipping containers shall be maintained behind a lead shield or "L" block in the secured room.

NOTE: Access to this room is restricted via appropriate signs, and key access-only authorized personnel have keys.





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## 10.12 Area Survey Procedures

"We will establish and implement the model procedure for area surveys that was published in Appendix N to Regulatory Guide 10.8, Revision 2."



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## 10.13.1 Air Concentration Control

"We will collect spent noble gas in a shielded container and will establish and implement one model procedure for checking trap effluent that was published in Appendix 0.3 to Regulatory Guide 10.8, Revision 2."

## 10.13.2 Not Applicable

## 10.13.3

"We will not directly vent spent aerosols and gases to the atmosphere and therefore no effluent estimation is necessary."

## 10.13.4

"We will calculate spilled gas clearance times according to the procedure that was published in Appendix 0.4 to Regulatory Guide 10.8, Revision 2."





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## 10.14 Radiopharmaceutical Therapy

"We will establish and implement the model procedure for radiation safety during radiopharmaceutical therapy that was published in Appendix P to Regulatory Guide 10.8, Revision 2."

## 10.15 Implant Therapy

"We will establish and implement the model procedure for radiation safety during implant therapy that was published in Appendix Q to Regulatory Guide 10.8, Revision 2."

## 10.16 Not Applicable



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## 10.7 Opening Packages

"We will establish and implement the model procedure for opening packages that was published in Appendix L to Regulatory Guide 10.8, Revision 2."



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## 10.8 Unit Dose Records

"We will establish and implement the model procedure for a unit dosage record system that was published in Appendix M.1 to Regulatory Guide 10.8, Revision 2."

## 10.9 Multidose Vial Records

"We will establish and implement the model procedure for a multidose vial record system that was published in Appendix M.2 to Regulatory Guide 10.8, Revision 2."

## 10.10 Molybdenum Concentration Records

"We will establish and implement the model procedure for measuring and recording molybdenum concentration that was published in Appendix M.3 to Regulatory Guide 10.8, Revision 2."



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Renewal Request of NRC license 29-03047-01

## 11.1 Waste Disposal

"We shall establish and implement the general guidance and model procedures for waste disposal that were published in Appendix R to Regulatory Guide 10.8, Revision 2.