

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.

APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:
DIVISION OF INDUSTRIAL AND MEDICAL NUCLEAR SAFETY
OFFICE OF NUCLEAR MATERIALS SAFETY AND SAFEGUARDS
U.S. NUCLEAR REGULATORY COMMISSION
WASHINGTON, DC 20555-0001

ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS:
IF YOU ARE LOCATED IN:
CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, MAINE, MARYLAND, MASSACHUSETTS, NEW HAMPSHIRE, NEW JERSEY, NEW YORK, PENNSYLVANIA, RHODE ISLAND, OR VERMONT, SEND APPLICATIONS TO:

LICENSING ASSISTANT SECTION
NUCLEAR MATERIALS SAFETY BRANCH
U.S. NUCLEAR REGULATORY COMMISSION, REGION I
475 ALLENDALE ROAD
KING OF PRUSSIA, PA 19408-1415

ALABAMA, FLORIDA, GEORGIA, KENTUCKY, MISSISSIPPI, NORTH CAROLINA, PUERTO RICO, SOUTH CAROLINA, TENNESSEE, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA, SEND APPLICATIONS TO:

SAM NUNN ATLANTA FEDERAL CENTER
U. S. NUCLEAR REGULATORY COMMISSION, REGION II
61 FORSYTH STREET, S.W., SUITE 237B5
ATLANTA, GEORGIA 30303-8831

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 JURISDICTIONS.

IF YOU ARE LOCATED IN:
ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCONSIN, SEND APPLICATIONS TO:

MATERIALS LICENSING BRANCH
U.S. NUCLEAR REGULATORY COMMISSION, REGION III
801 WARRENVILLE RD.
LISLE, IL 60632-4351

ALASKA, ARIZONA, ARKANSAS, CALIFORNIA, COLORADO, HAWAII, IDAHO, KANSAS, LOUISIANA, MONTANA, NEBRASKA, NEVADA, NEW MEXICO, NORTH DAKOTA, OKLAHOMA, OREGON, PACIFIC TRUST TERRITORIES, SOUTH DAKOTA, TEXAS, UTAH, WASHINGTON, OR WYOMING, SEND APPLICATIONS TO:

NUCLEAR MATERIALS LICENSING SECTION
U.S. NUCLEAR REGULATORY COMMISSION, REGION IV
611 RYAN PLAZA DRIVE, SUITE 400
ARLINGTON, TX 76011-5064

07000222
X

1. THIS IS AN APPLICATION FOR (Check appropriate item)

A. NEW LICENSE

B. AMENDMENT TO LICENSE NUMBER _____

C. RENEWAL OF LICENSE NUMBER SNM 203

3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED
Lucent technologies
600 Mountain Ave
Murray Hill NJ 07974

2. NAME AND MAILING ADDRESS OF APPLICANT (Include ZIP code)
Bell Laboratories
A division of Lucent technologies
600 Mountain Ave
Murray Hill NJ 07974

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION
Zella Sasnett

TELEPHONE NUMBER
908-582-6439

SUBMIT ITEMS 5 THROUGH 11 ON 8-1/2 X 11" PAPER. THE TYPE AND SCOPE OF INFORMATION TO BE PROVIDED IS DESCRIBED IN THE LICENSE APPLICATION GUIDE.

5. RADIOACTIVE MATERIAL
a. Element and mass number; b. chemical and/or physical form; and c. maximum amount which will be possessed at any one time. NO Change

7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING EXPERIENCE. NO Change

9. FACILITIES AND EQUIPMENT. NO Change

11. WASTE MANAGEMENT. NO Change

6. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED. NO Change

8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS. NO Change

10. RADIATION SAFETY PROGRAM. NO Change

12. LICENSE FEES (See 10 CFR 170 and Section 170.31)
FEE CATEGORY ID AMOUNT ENCLOSED 5

13. CERTIFICATION. (Must be completed by applicant) THE APPLICANT UNDERSTANDS THAT ALL STATEMENTS AND REPRESENTATIONS MADE IN THIS APPLICATION ARE BINDING UPON 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, 36, 39, AND 40, AND THAT ALL INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF.

WARNING: 18 U.S.C. SECTION 1001 ACT OF JUNE 25, 1948 82 STAT. 749 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.

CERTIFYING OFFICER - TYPED/PRINTED NAME AND TITLE: Barry Dambach Director ENHS SIGNATURE: [Signature] DATE: 8/24/05

FOR NRC USE ONLY					
TYPE OF FEE	FEE LOG	FEE CATEGORY	AMOUNT RECEIVED	CHECK NUMBER	COMMENTS
			\$		
APPROVED BY				DATE	
					136510 NMSS/RGNI MATERIALS-002

The table below is designed to help applicants develop their applications. In some instances it is acceptable to simply indicate, by checking the box in the third column (Yes), that applicant commits to adopting the model procedures that are referenced. If the third column contains an asterisk (*), the licensee is expected to describe its program or submit its procedures for the particular item. In this instance, the applicant is requested to check the box in the fourth column indicating that the described program and/or procedures are attached to the application (NRC Form 313). If the third column contains an "N/A," the licensee is not required to describe or submit its programs and/or procedures during the licensing phase. However, these program areas may be reviewed during an inspection.

The table below may also be used as a License Reviewer checklist for applications for SNM licenses.

Table C.1 Suggested Format for Providing Information Requested in Items 5 through 11 of NRC Form 313.

Item No.	Suggested Response	Yes	Description Attached
5.	<p>RADIOACTIVE MATERIAL</p> <p>Unsealed and/or Sealed Sources</p> <ul style="list-style-type: none"> • For unsealed materials: <ul style="list-style-type: none"> – Provide element name with mass number, chemical and/or physical form, and maximum requested possession limit. – For each specified isotope include the principle isotope and significant dose-contributing contaminants. For example the quantity of Pu-236 present in Pu-238 should be specified. • For sealed materials: <ul style="list-style-type: none"> – Identify each radionuclide(s) (element name and mass number) that will be used in each source. – Provide the manufacturer's (distributor's) name and model number for each sealed source and device requested. – Confirm that each sealed source, device, and source/device combination is registered as an approved sealed source or device by NRC or an Agreement State. – Confirm that the activity per source and maximum activity in each device will not exceed the maximum activity listed on the approved certificate of registration issued by NRC or by an Agreement State. • Provide an Emergency Plan (if required). 	*	<input type="checkbox"/>

APPENDIX C

Item No.	Suggested Response	Yes	Description Attached
	<p>Financial Assurance and Recordkeeping for Decommissioning</p> <p>No response is needed from most applicants. If a certification of financial assurance for decommissioning (F/A) or a decommissioning funding plan (DFP) is required, submit the required documents as described in Regulatory Guide 3.66.</p>	☑	
6.	<p>PURPOSE FOR WHICH LICENSED MATERIAL WILL BE USED</p> <p>List the specific use or purpose of each radionuclide.</p>		
7.	<p>INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM-RADIATION SAFETY OFFICER (RSO)- TRAINING AND EXPERIENCE</p> <ul style="list-style-type: none"> • Provide the name of the proposed RSO. • Describe the proposed RSO's training and experience specific to the licensed material that the applicant intends to use. • Provide the name of each proposed AU. • Provide information demonstrating that each proposed AU is qualified by training and experience to use the requested licensed materials. 	* *	☐ ☐
8.	<p>TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS (Occupationally Exposed Individuals and Ancillary Personnel)</p> <p>Submit a description of the radiation safety training program, including topics covered, groups of workers, assessment of training, qualifications of instructors, and the method, frequency of training and refresher training.</p>		☐
9.	<p>FACILITIES AND EQUIPMENT</p> <p>Describe the facilities and equipment to be made available at each location where radioactive material will be used. Include a description of the area(s) assigned for the receipt, storage, preparation and measurement of radioactive materials. Submit a diagram showing the locations of shielding, the proximity of radiation sources to unrestricted areas, and other items related to radiation safety. When applicable to facilities where radioactive materials may become airborne, the diagrams should contain schematic descriptions of the ventilation systems, with pertinent airflow rates, pressures, filtration equipment, and monitoring systems. Diagrams should be drawn to a specified scale, or dimensions should be indicated. For facilities where it is anticipated that</p>	*	☐

Item No.	Suggested Response	Yes	Description Attached
	more than one laboratory or room may be used, a generic laboratory or room diagram may be submitted.		
10	<p>RADIATION SAFETY PROGRAM</p> <p>Audit Program</p> <p>The applicant is not required to, and should not, submit its audit program to NRC for review during the licensing phase. The adequacy of this audit program will be reviewed during NRC inspection.</p>		Need Not be Submitted with Application
	<p>Radiation Monitoring Instruments</p> <p>We will use equipment that meets the radiation monitoring instrument specifications and implement the model survey meter calibration program published in Appendix K to NUREG-1556, Vol. 17, 'Program-Specific Guidance About Special Nuclear Material of Less Than Critical Mass Licenses,' dated November 2000.</p> <p style="text-align: center;">OR</p> <p>We will use equipment that meets the radiation monitoring instrument specifications published in Appendix K to NUREG-1556, Vol. 17, 'Program-Specific Guidance About Special Nuclear Material of Less Than Critical Mass Licenses,' dated November 2000, and instruments will be calibrated by other persons authorized by NRC, an Agreement State, or a licensing State to perform that service.</p> <p style="text-align: center;">OR</p> <p>A description of alternative minimum equipment to be used for radiation monitoring and/or alternative procedures for the calibration of radiation monitoring equipment.</p>	<p><input checked="" type="checkbox"/></p> <p><input type="checkbox"/></p>	<p><input type="checkbox"/></p>
	<p>Material Receipt and Accountability</p> <p>We have developed and will implement and maintain written procedures for sealed shipping packages that meet the requirements in 10 CFR 20.1906.</p> <p style="text-align: center;">AND</p> <p>We will conduct physical inventories of sealed sources of licensed material at intervals not to exceed 6 months.</p> <p style="text-align: center;">AND</p> <p>We have developed and will implement and maintain written procedures for licensed material accountability and control to ensure that</p>	<p><input checked="" type="checkbox"/></p> <p><input checked="" type="checkbox"/></p> <p><input checked="" type="checkbox"/></p>	<p><input checked="" type="checkbox"/></p>

APPENDIX C

Item No.	Suggested Response	Yes	Description Attached
	<p>License possession limits are not exceeded.</p> <ul style="list-style-type: none"> Licensed material in storage is secured from unauthorized access or removal. <p>Material Receipt and Accountability (con't d)</p> <ul style="list-style-type: none"> Licensed material in storage is maintained under constant surveillance and control, and Records of receipt, transfer, and disposal of licensed material are maintained. 		
	<p>Occupational Dose</p> <p>We will maintain, for inspection by NRC, documentation demonstrating that unmonitored individuals are not likely to receive, in one year, a radiation dose in excess of 10% of the allowable limits in 10 CFR Part 20, or we will monitor individuals in accordance with the criteria in Section 8.10.4, 'Radiation Safety Program – Occupational Dose' in NUREG-1556, Vol. 17, 'Program-Specific Guidance About Special Nuclear Material of Less Than Critical Mass Licenses,' dated November 2000.</p>		<p>Need Not be Submitted with Application</p>
	<p>Public Dose</p> <p>The applicant's program to control doses received by individual members of the public will be submitted including inspection, but should not be submitted as a separate application.</p>		<p>Need Not be Submitted with Application</p>
	<p>Operating and Emergency Procedures</p> <p>Develop and maintain operating procedures for safe use and emergencies. State that such procedures have been developed.</p> <p>In addition, if you want the option to make changes to your operating and emergency procedures, state that procedures may be revised if:</p> <ul style="list-style-type: none"> The changes are consistent with the procedures submitted with the license application; The changes are reviewed and approved by licensee management and the RSO; Licensee staff is trained in the revised procedures before they are implemented; The changes do not degrade the effectiveness of the program. 	<p>*</p> <p><input checked="" type="checkbox"/></p>	<p><input type="checkbox"/></p>

Item No.	Suggested Response	Yes	Description Attached
	<p>Leak Test</p> <p>Leak tests will be performed at the intervals approved by NRC or an Agreement State and specified in the SSD Registration Certificate.</p> <p>Leak tests will be performed by an organization authorized by NRC or an Agreement State to provide leak testing services to other licensees or using a leak test kit supplied by an organization authorized by NRC or an Agreement State to provide leak test kits to other licensees and according to the sealed source or plated foil manufacturer's (distributor's) and kit supplier's instructions.</p> <p style="text-align: center;">OR</p> <p>Leak tests will be performed at the intervals approved by NRC or an Agreement State and specified in the SSD Registration Certificate.</p> <p>Leak tests will be performed by an organization authorized by NRC or an Agreement State to provide leak testing services to other licensees or using a leak test kit supplied by an organization authorized by NRC or an Agreement State to provide leak test kits to other licensees and according to the sealed source or plated foil manufacturer's (distributor's) and kit supplier's instructions. As an alternative, we will implement the model leak test program published in Appendix L to NUREG-1556, Vol. 17, 'Program-Specific Guidance About Special Nuclear Material of Less Than Critical Mass Licenses,' dated November 2000.</p>	<p><input checked="" type="checkbox"/></p> <p><input checked="" type="checkbox"/></p>	
	<p>Survey</p> <p>We will survey our facility and maintain contamination levels in accordance with the survey frequencies and contamination levels published in Appendix K to NUREG-1556, Vol. 17, 'Program-Specific Guidance About Special Nuclear Material of Less Than Critical Mass Licenses,' dated November 2000.</p>		
	<p>Transportation</p> <p>The applicant's program for transportation will be examined during inspection, but should not be submitted in a license application.</p>		<p>Need Not Be Submitted with Application</p>
	<p>Minimization of Contamination</p> <p>The applicant does not need to provide a response to this item under the following condition. NRC will consider that the above criteria have been met if the applicant's responses meet the criteria in: Section 8.5.1, "Radioactive Material – Sealed Sources and Devices or Unsealed Radioactive Material," Section 8.9, "Facilities and Equipment," Section 8.10.6, "Radiation Safety Program – Operating and Emergency Procedures," Section 8.10.8, "Radiation Safety Program – Surveys,"</p>		<p>Need Not Be Submitted with Application</p>

APPENDIX C

Item No.	Suggested Response	Yes	Description Attached
	and Section 8.11, "Radiation Safety Program – Waste Management."		
11	<p>WASTE MANAGEMENT</p> <p>We will ensure that all licensed Special Nuclear Material shall be disposed of in accordance with the requirements of 10 CFR Part 20 Subpart K.</p> <p style="text-align: center;">OR</p> <p>If access to a radioactive waste burial site is unavailable, the applicant should request authorization for extended interim storage of waste. Applicant should refer to NRC TN 90-09, "Extended Interim Storage of Low Level Radioactive Waste by Fuel Cycle and Materials Licensees," dated February 1990, for guidance and submit the required information with the application.</p> <p><i>Note:</i> Applicants do not need to provide information to NRC if they plan to dispose of waste via transfer to an authorized recipient.</p>	<p><input type="checkbox"/></p> <p><input checked="" type="checkbox"/></p>	<p><input type="checkbox"/></p>

This is to acknowledge the receipt of your letter/application dated

2/24/2005, and to inform you that the initial processing which includes an administrative review has been performed.

Renew SNM-203 There were no administrative omissions. Your application was assigned to a technical reviewer. Please note that the technical review may identify additional omissions or require additional information.

Please provide to this office within 30 days of your receipt of this card

A copy of your action has been forwarded to our License Fee & Accounts Receivable Branch, who will contact you separately if there is a fee issue involved.

Your action has been assigned **Mail Control Number** 136510.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.

BETWEEN: : (FOR LFMS USE)
 : INFORMATION FROM LTS
 : -----
 :
 License Fee Management Branch, ARM : Program Code: 22110
 and : Status Code: 2
 Regional Licensing Sections : Fee Category: 1D
 : Exp. Date: 20050228
 : Fee Comments: _____
 : Decom Fin Assur Req'd: Y
 : :::::::::::::::::::::::::::::::::::::::

LICENSE FEE TRANSMITTAL

A. REGION I

1. APPLICATION ATTACHED
 Applicant/Licensee: BELL LABORATORIES
 Received Date: 20050228
 Docket No: 7000222
 Control No.: 136510
 License No.: SNM-203
 Action Type: Renewal

2. FEE ATTACHED
 Amount: /
 Check No.:

3. COMMENTS
 Signed *Rebecca J. Wood*
 Date 2/28/2005

B. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered /__/)

1. Fee Category and Amount: _____
 2. Correct Fee Paid. Application may be processed for:
 Amendment _____
 Renewal _____
 License _____
 3. OTHER _____

Signed _____
 Date _____