



United States Nuclear Regulatory Commission
Nuclear Materials Safety Branch
Division of Nuclear Materials Safety
Region I
475 Allendale Road
King of Prussia, PA 19406

August 10, 2006

Q-5

Re: Termination of License SNM-203

07000222

To Whom It May Concern:

Lucent Technologies' R&D management has determined that there will no longer be a need for the licensed radioactive material that was formerly used under the above license. All materials held under SNM-203 have been disposed of. Enclosed is the record issued by Los Alamos National Laboratory (LANL) wherein it states that it has received the Pu-Be source from the Lucent Technologies' inventory (ATRC #2006:33). This source was the only one held under this license – contrary to the LANL record. The other source received by LANL (ASRO #2006:36), an Am-Be, was held under the Lucent Byproduct license. Also enclosed are copies of the last two leak tests of this source showing that it was intact. Lucent Technologies will retain its Byproduct and Irradiator licenses and continue to use the sources covered by them, 29-00170-03 and 29-00170-08. As soon as resources are available, Lucent will contract for the necessary measurements to terminate the remaining license, SMB-1260.

If you have questions regarding this request, please contact me at (908) 582-5907.

Sincerely,

Richard Quick,
Senior Manager – Radiation Safety Officer

Attachments: LANL Receipts
Source Leak Tests 8/17/05, 12/14/05

Cc:
With Attachments-
NRC Correspondence File
Without Attachments-
RPC Committee

RECEIVED
NRC
2006 AUG 11 PM 12:10

138958
NMSS/RGNI MATERIALS-002



*N2 Advanced Nuclear Technology
Off-Site Source Recovery (OSR) Project*
P.O. Box 1663, Mail Stop: J552
Los Alamos, New Mexico 87545
505-667-6701/Fax: 505-665-7913

Date: May 30, 2006
Refer to: N2-06: 147

Samuel J. Collins, Regional Administrator
Nuclear Regulatory Commission
475 Allendale Road
King of Prussia, PA 19406-1415

Re: ATRC#2006:33 & ASRO#2006:36, License Number SNM-203

Dear Mr. Collins:

Enclosed please find two signed *Authorization to Transfer/Relinquishment of Custody* form & a *Ship/Relinquishment of Ownership* form concerning:

Lucent Technologies
600 Mountain Ave., Room 7B-514
Murray Hill, NJ 07974

The radioactive sources described on the forms have been removed from Lucent Technologies in Murray Hill, NJ and are in storage at Los Alamos National Laboratory and at NSSI Sources & Services, Inc. These sources have been transferred to Department of Energy (DOE) ownership and are being stored under DOE license exemption.

This action was completed as part of the Off-Site Source Recovery (OSR) Project managed by this office. If you need any further information on this action, please contact the OSR Project Office at 505/667-6701.

Sincerely,

A handwritten signature in cursive script that reads 'Shelby Leonard'.

Shelby Leonard
Team Leader OSR Project

SL/lh

Cy:

Shaun Van Doren, Lucent Technologies
Michele Burgess, NRC HQ
Robert Campbell, U.S. DOE, NA-211
Joel Grimm, DOE-AL/WMD
N2 File
OSRP File

Los Alamos

NATIONAL LABORATORY

ATRC # 2006:33

Off-Site Source Recovery Project Authorization to Transfer/Relinquishment of Custody

SOURCE CUSTODIAN: Lucent Technologies
CONTACT NAME: Shaun Van Doren
ADDRESS: 600 Mountain Ave.
Room 7B-514
Murray Hill, NJ 07974

TELEPHONE: 908-582-7586
FAX: 908-582-3904

Lucent Technologies is authorized by the University of California at Los Alamos National Laboratory (UC/LANL), on behalf of the U.S. Department of Energy (DOE), to transfer the sealed source(s) indicated below to Los Alamos National Laboratory.

Lucent Technologies hereby relinquishes and UC/LANL, on behalf of DOE, hereby accepts all ownership of the sealed source(s) indicated below upon receipt or acceptance of the source(s) at Los Alamos National Laboratory.

SOURCE INFORMATION

Type:	Model:	Serial No:	Date of Mfg:	Grams Isotopic:
239Pu/Be		80S12		7.949

SOURCE CUSTODIAN:

OFFICIAL NAME/TITLE: Shaun Van Doren
NAME (Please Print or Type)

SIGNATURE 

EHS Protect Specialist
TITLE (Please Print or Type)

DATE 5/10/06

UC/LANL AUTHORIZATION:

OFFICIAL NAME/TITLE: Shelby J. Leonard, Team Leader, Off-Site Source Recovery Project

SIGNATURE 

DATE 5-15-06

ACKNOWLEDGEMENT OF RECEIPT BY LANL:

OFFICIAL NAME/TITLE: CARLOS RINCON
NAME (Please Print or Type)

SIGNATURE 

RADIATION SPECIALIST
TITLE (Please Print or Type)

DATE 5-16-06

Los Alamos

NATIONAL LABORATORY

ASRO # 2006:36

Off-Site Source Recovery Project Authorization to Ship/Relinquishment of Ownership

SOURCE OWNER: Lucent Technologies
LICENSE: 1 NRC - Region I
No.: SNM 203
CONTACT NAME: Shaun Van Doren
ADDRESS: 600 Mountain Ave.
Room 7B-514
Murray Hill, NJ 07974

TELEPHONE: 908-582-7586
FAX: 908-582-3904

Lucent Technologies is authorized by the University of California at Los Alamos National Laboratory (UC/LANL), on behalf of the U.S. Department of Energy (DOE), to transfer the sealed source(s) indicated below to the following designated UC/LANL support subcontractor:

NSSI / Sources & Services, Inc.
Texas Department of State Health Services
Radioactive Material License No. L02991

Lucent Technologies hereby relinquishes and UC/LANL, on behalf of DOE, hereby accepts all ownership of the sealed source(s) indicated below upon receipt or acceptance of the source(s) by the designated UC/LANL support subcontractor.

SOURCE INFORMATION

Type:	Model:	Serial No:	Activity (Ci):
241Am/Be		MRC-AmBe -3520	0.033

SOURCE OWNER:

OFFICIAL NAME/TITLE: Shaun Van Doren
NAME (Please Print or Type)
SIGNATURE Shaun Van Doren
TITLE (Please Print or Type) EH&S Project Specialist
DATE 5/10/06

UC/LANL AUTHORIZATION:

OFFICIAL NAME/TITLE: Shelby J. Leonard, Team Leader, Off-Site Source Recovery Project
SIGNATURE Shelby J. Leonard
DATE 5-15-06

ACKNOWLEDGEMENT OF RECEIPT BY DESIGNATED UC/LANL SUPPORT SUBCONTRACTOR:

NAME OF UC/LANL SUPPORT SUBCONTRACTOR: NSSI / Sources & Services, Inc.

OFFICIAL NAME/TITLE: Carlos Rincon
NAME (Please Print or Type)
SIGNATURE Carlos Rincon
TITLE (Please Print or Type) RADIATION SPECIALIST
DATE 5-16-06

MH Source Leak Testing

John E. Riley

8/17/05

jer

Wipe tests for removable radioactive contamination were conducted 8/3-9/05 on sealed sources in the 1G Radiation Lab. The leak test materials were counted for radioactivity on the Oxford LB5100 low background alpha/beta system. The system has been calibrated using activity standards whose accuracy is traceable to NIST. The results of the analyses are as shown in the following table.

Count #	Nuclide Inventory #	Nuclide	Result
1	14-0001	Co-60	<MDA
2	14-0175	Am-241	<MDA
3	14-0551	Co-60	<MDA
4	14-0978	Pu-239	<MDA
5	14-1408	Am-241	<MDA
6	14-2052	Am-241	<MDA
	Alpha	MDA	<0.0001 μ Ci
	Beta/Gamma	MDA	<0.001 μ Ci

- Pu BE
- Am BE

There was no detectable radioactivity in the leak tests. The leakage is less than the 0.005 μ Ci required under the NRC licenses.

John E. Riley
12/14/05

MH Source Leak Testing

Wipe tests for removable radioactive contamination were conducted 12/14/2005 on sealed sources on the inventory. The leak test materials were counted for radioactivity on the Oxford LB5100 low background alpha/beta system. Prior to counting, the system was calibrated using activity standards whose accuracy is traceable to NIST - 14-2787, 14-2788, 14-2789. The results of the analyses are as shown in the following table.

Count #	Nuclide Inventory #	Nuclide	Result
1	20-0001	Ni-63	<MDA
2	20-0002	Ni-63	<MDA
3	20-0003	Ni-63	<MDA
4	14-1809	Co-60	<MDA
5	14-2278	Cs-137	<MDA
6	14-2120	Ni-63	<MDA
7	14-2121	Ni-63	<MDA
8	14-2128	Fe-55	<MDA
9	14-0001	Co-60	<MDA
10	14-0175	Am-241	<MDA
11	14-0551	Co-60	<MDA
12	14-0978	Pu-239	<MDA
13	14-1408	Am-241	<MDA
14	14-2052	Am-241	<MDA
	Alpha	MDA	<0.0001 μ Ci
	Beta/Gamma	MDA	<0.001 μ Ci

There was no detectable radioactivity in the leak tests. The leakage is less than the 0.005 μ Ci required under the NRC licenses.