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# CERTIFICATE OF DISPOSITION OF MATERIALS

MMJ82

LICENSEE NAME AND ADDRESS

Blue Ridge Community College  
P.O. Box 80 (One College Lane)  
Weyers Cave, Virginia 24486

LICENSE NUMBER

45-14863-01

DOCKET NUMBER

030-08177

LICENSE EXPIRATION DATE

02/28/2013

This license has expired.

**A. LICENSE STATUS (Check the appropriate box)**  
This license has not yet expired; please terminate it.

### B. DISPOSAL OF RADIOACTIVE MATERIAL

(Check the appropriate boxes and complete as necessary. If additional space is needed, provide attachments)

The licensee, or any individual executing this certificate on behalf of the licensee, certifies that:

- 1. No radioactive materials have ever been procured or possessed by the licensee under this license.
- 2. All activities authorized by this license have ceased, and all radioactive materials procured and/or possessed by the licensee under this license number cited above have been disposed of in the following manner.
  - a. Transfer of radioactive materials to the licensee listed below:  
NSSI/Sources & Services, Inc. (License No. L02991) as directed through the Off-Site Source Recovery (OSR) Project, Los Alamos, NM
  - b. Disposal of radioactive materials:
    - 1. Directly by the licensee:
    - 2. By licensed disposal site:
    - 3. By waste contractor:
  - c. All radioactive materials have been removed such that any remaining residual radioactivity is within the limits of 10 CFR Part 20, Subpart E, and is ALARA.

### C. SURVEYS PERFORMED AND REPORTED

- 1. A radiation survey was conducted by the licensee. The survey confirms:
  - a. the absence of licensed radioactive materials
  - b. that any remaining residual radioactivity is within the limits of 10 CFR 20, Subpart E, and is ALARA.
- 2. A copy of the radiation survey results:
  - a. is attached; or  b. is not attached (Provide explanation); or  c. was forwarded to NRC on: \_\_\_\_\_ Date \_\_\_\_\_
- 3. A radiation survey is not required as only sealed sources were ever possessed under this license, and
  - a. The results of the latest leak test are attached; and/or
  - b. No leaking sources have ever been identified.

The person to be contacted regarding the information provided on this form:

NAME Edward Houston Lynch	TITLE Associate Professor of Physics	TELEPHONE (Include Area Code) (540) 453-2235	E-MAIL ADDRESS lynche@brcc.edu
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Mail all future correspondence regarding this license to:  
Edward Houston Lynch, Blue Ridge Community College, P.O. Box 80, Weyers Cave, VA 24486

### C. CERTIFYING OFFICIAL

I CERTIFY UNDER PENALTY OF PERJURY THAT THE FOREGOING IS TRUE AND CORRECT

PRINTED NAME AND TITLE EDWARD HOUSTON LYNCH, ASSOC. PROF. PHYSICS	SIGNATURE <i>Edward Houston Lynch</i>	DATE 12/15/2005
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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 RESPECT. 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.

138224  
NUCLEAR 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: 665-7913

Date: November 7, 2005  
Refer to: N2-05: 154

William D. Travers, Regional Administrator  
Nuclear Regulatory Commission  
Sam Nunn Atlanta Federal Center  
61 Forsyth Street, SW  
Suite 23T85  
Atlanta, GA 30303-3415

Re: ASRO#2005:26, License Number 45-14863-01

Dear Mr. Travers:

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

Blue Ridge Community College  
One College Lane  
Weyers Cave, VA 24486

The radioactive source described on the form has been removed from Blue Ridge Community College in Weyers Cave, VA and is in storage at NSSI/Sources and Services Inc. in Houston, TX. This source has been transferred to Department of Energy (DOE) ownership and is 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: Edward Lynch, Blue Ridge Community College  
Michele Burgess, NRC HQ  
Robert Campbell, U.S. DOE, NA-211  
Joel Grimm, DOE-AL/WMD  
N2 File, B228  
OSRP File, J552

JUL 12 2005

**ASRO # 2005:26**  
**Off-Site Source Recovery Project**  
**Authorization to Ship/Relinquishment of Ownership**

SOURCE OWNER: Blue Ridge Community College TELEPHONE: (540) 453-2235  
LICENSE: 2 NRC - Region II FAX: (540) 234-9066  
No.: 45-14863-01  
CONTACT NAME: Edward Lynch  
ADDRESS: One College Lane  
Weyers Cave, VA 24486

Blue Ridge Community College 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

Blue Ridge Community College 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: 241Am/Be Model: MRC-Am-Be Serial No: MRC-AmBe-1286 Activity (Ci): 1.040

**SOURCE OWNER:**

OFFICIAL NAME/TITLE: James R. Perkins President  
NAME (Please Print or Type) TITLE (Please Print or Type)  
SIGNATURE James R. Perkins DATE June 28, 2005

**UC/LANL AUTHORIZATION:**

OFFICIAL NAME/TITLE: Shelby J. Leonard, Team Leader, Off-Site Source Recovery Project  
SIGNATURE Shelby J. Leonard DATE 7-6-05

**ACKNOWLEDGEMENT OF RECEIPT BY DESIGNATED UC/LANL SUPPORT SUBCONTRACTOR:**  
NAME OF UC/LANL SUPPORT SUBCONTRACTOR: NSSI / Sources & Services, Inc.

OFFICIAL NAME/TITLE: CARLOS R. HICAR Radiation Specialist  
NAME (Please Print or Type) TITLE (Please Print or Type)  
SIGNATURE Carlos R. Hicar DATE 10-20-05



Radiation Service Organization

Edward Lynch  
Blue Ridge Community College  
One College Lane  
Weyers Cave, VA 24488

SUBJECT: Analysis of Samples from Empty Source Holder

Dear, Mr. Lynch:

On July 29<sup>th</sup> a technician from our company collected three wipe test samples off of an empty source holder. These samples were delivered to our laboratory in Laurel Maryland for analysis.

A gamma screen for each sample was conducted using a Packard Cobra II Model 5003 gamma counter (S/N: 424559). The samples were then analyzed using a Packard Tri-Carb 3100 liquid scintillation counter (S/N: 424558). Neither analysis had any results that were distinguishable from background.

Since the analysis results did not identify any radioactive contamination, it indicated that the empty source holder is free from removable contamination.

Thank you for this opportunity to be of service. If you have any questions or need additional information please do not hesitate to contact us.

Sincerely,

David Bisson, CHP  
Manager, RSS

Enclosures


Assay Definition-

Assay Description:  
 BLUE RIDGE COMMUNITY COLLEGE

Assay Type: DPM (Triple)  
 Report Name: Report1  
 Output Data Path: C:\Packard\Tricarb\Results\LEAK TESTS\1 LEAK TEST Triple Label DPM  
 Raw Results Path: C:\Packard\Tricarb\Results\LEAK TESTS\1 LEAK TEST Triple Label  
 DPM\20050801\_1103.results  
 Assay File Name: C:\Packard\TriCarb\Assays\1 LEAK TEST Triple Label DPM.lsa

Count Conditions-

Nuclide: Triple Label  
 Quench Indicator: tSIE/AEC  
 External Std Terminator (sec): 0.5 2s%  
 Pre-Count Delay (min): 0.00  
 Quench Sets:  
 Low Energy: 3H-TOL-05-26-05  
 Mid Energy: 14C-TOL-05-26-05  
 High Energy: 32P-UG-02-28-05  
 Count Time (min): 1.00  
 Count Mode: Normal  
 Assay Count Cycles: 1 Repeat Sample Count: 1  
 #Vials/Sample: 1 Calculate % Reference: Off

REVIEWED BY:  8/8/05
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Background Subtract: On - 1st Vial  
 Low CPM Threshold: Off  
 2 Sigma % Terminator: On - Any Region

Regions	LL	UL	Bkg Subtract	2Sigma % Terminator
A	0.0	12.0	1st Vial	0.00
B	12.0	156.0	1st Vial	0.00
C	156.0	2000.0	1st Vial	0.00

Count Corrections-

Static Controller: On Luminescence Correction: On  
 Colored Samples: On Heterogeneity Monitor: n/a  
 Coincidence Time (nsec): 18 Delay Before Burst (nsec): 75

Half Life-

Half Life Correction: Off

Regions	Half Life	Units	Reference Date	Reference Time
A				
B				
C				

Cycle 1 Results

S#	Time	CPMA	CPMB	CPMC	DPM1	DPM2	DPM3	SIS	tSIE	LUM
1	10.00	5	9	5	0	0	0	61.47	604.19	1
2	1.00	2	11	10	1	11	11	84.75	573.62	7
3	1.00	0	2	-1	-1	3	-2	0.00	463.40	0
4	1.00	1	0	3	2	-1	3	49.49	496.67	0

BLUE RIDGE COMMUNITY COLLEGE

Count Time(minutes): 1.00  
 Assay Type: CPM  
 Background Subtract : IPA Bkg  
 Outlier: 5.0 FLAG  
 %Spillup: 0.00  
 %Spilldown: 0.00  
 Screening: OFF

	Window A		Window B		Window C	
Nuclide:	MAN	650 - 670 keV	Co-60	1050 - 1550 keV	MAN	15 - 2000 keV
Bkg:	2.06		26.9		218	
Sigma:	0.00		0.00		2.00	
LCR:	0		0		0	
Half Life(hours):	0.00		0.00			
Multiplier:	1.0000					
%CV Flag Limit:	0.00		0.00			

S#	A:CPM	A:%SIG	B:CPM	B:%SIG	C:CPM	C:%SIG
1	0.0		0.1	267	0.1	289
2	0.0		0.0		0.0	
3	0.9	103	0.1	267	4.1	49.3

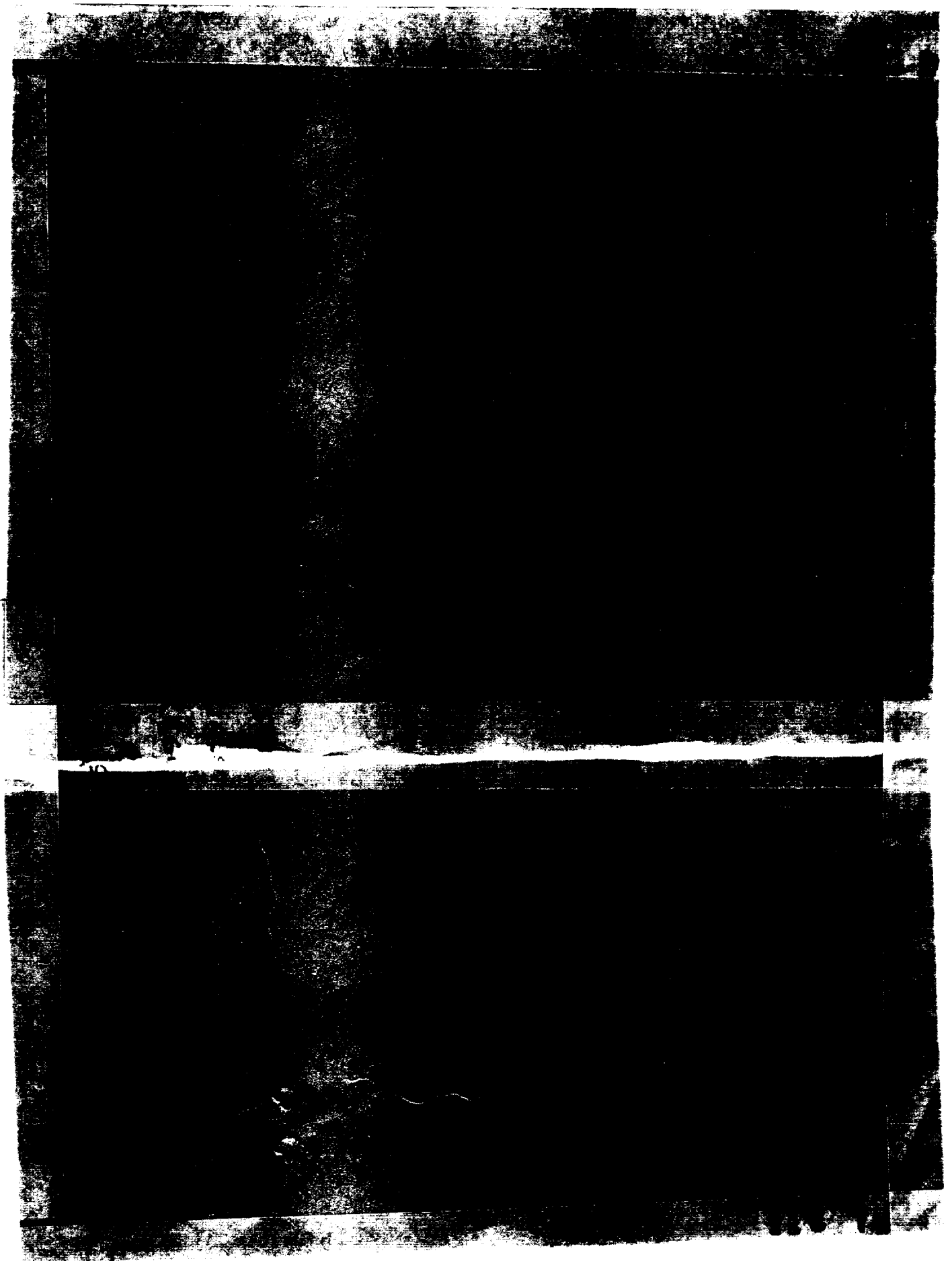
EDITDATA.D04 Archived to C:\ARCH\ARCH04D.650  
 C:\DATA\P4DATA Copied to C:\DATA\ARCH04A.650

REVIEWED BY:  
*JB*  
 8/8/05

01 Aug 05 09:32:10 Packard Model 5003 COBRA SN: 424559

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 PROTOCOL # 4  
 Leak Test  
 BLUE RIDGE COMMUNITY COLLEGE  
 COUNT TIME 1.00 Minutes  
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	Window A		Window B		Window C	
LLD:	650 keV		LLD:	1050 keV	LLD:	15 keV
ULD:	670 keV		ULD:	1550 keV	ULD:	2000 keV
EFF:	57 %		EFF:	20 %	EFF:	80 %
Sample #	A:CPM	A:DPM	B:CPM	B:DPM	C:CPM	C:DPM
1	0	0	0	1	0	0
2	0	0	0	0	0	0
3	1	2	0	1	4	5



138224

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

12/15/2005, and to inform you that the initial processing which includes an administrative review has been performed.

*TEAM. 45-14863-01* 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

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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** 138224.  
When calling to inquire about this action, please refer to this control number.  
You may call us on (610) 337-5398, or 337-5260.