



THE CATHOLIC UNIVERSITY OF AMERICA

*Environmental Health and Safety
Washington, DC 20064
202-319-5789
Fax 202-319-4446*

Br. 2

June 16, 2016

U.S. Nuclear Regulatory Commission, Region 1
Licensing Assistance Team
Attention: Mr. Dennis Lawyer
2100 Renaissance Boulevard, Suite 100
King of Prussia, PA 19406-2713

License No. 08-02075-03
Docket No. 03000638

Subject: Removal Maloney Hall as licensed facility

Dear Mr. Lawyer;

The Catholic University of America respectfully requests the removal of Maloney Hall as a licensed facility from our broad scope license. The sealed radionuclides that were used/stored in Maloney Hall have been disposed.

Attached are copies of the manifests that verify disposal of the sealed sources as radioactive waste. Also, attached are copies of the leak tests conducted on the sealed sources that were designated for disposal.

Please note that Mr. Jerry Conrad is no longer with the University. Ms. Margaret Carney, will be his replacement starting July 11th. We will send a notification under separate cover after July 11th when Ms. Carney can sign the letter. Meanwhile, continued communications may be directed to either me or Mr. Haleem.

If you require additional information please contact the Radiation Safety Officer, Mahmoud Haleem at 202-319-5206 and email Haleem@cua.edu. Thank you in advance for your time.

Sincerely,

Mr. Louis P. Alar
Director of Environmental Health & Safety

Cc: Mr. Mahmoud Haleem, Radiation Safety Officer, EHS

Enclosures

1. Copy of Uniform Low Level Radioactive Waste Manifests for Sm-151 (100 mCi), Co-57 (50 mCi) and Sn-119m (10 mCi).
2. Copies of the leak tests of the sealed listed in 1.

591169
NMS2/RGN1 MATERIALS-002

REC'D 10617 16 PM 0300

Estimated burden per response to comply with this information collection request: 45 minutes. This uniform manifest is required by NRC to meet reporting requirements of Federal and State Agencies for the safe transportation and disposal of low-level waste. Send comments regarding burden estimates to the Records and FOIA/Privacy Services Branch (T-4 P52), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to infocollists@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NRC-18292, (3150-0164), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

NRC FORM 540 (8-2010)		U.S. NUCLEAR REGULATORY COMMISSION UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST SHIPPING PAPER		8. SHIPPER - NAME AND FACILITY ESI @ The Catholic University of America Radiation Safety Office, Marsit Annex, 620 Michigan Ave., NE Washington, DC 20084		SHIPMENT ID NUMBER 0315-111815ALA		7. FORM 540 AND 540A FORM 541 AND 541A FORM 542 AND 542A ADDITIONAL INFORMATION		PAGE 1 OF 1 PAGE(S) 1 PAGE(S) 1 PAGE(S) NONE PAGE(S)		8. MANIFEST NUMBER (Use this number on all continuation pages) 0315-111815ALA							
1. EMERGENCY TELEPHONE NUMBER (Include Area Code) 855-347-8197				USER PERMIT NUMBER T-MD004-L15		SHIPMENT NUMBER 0315-111815ALA		PROCESSOR X COLLECTOR		9. CONSIGNEE - Name and Facility Address Alaron Nuclear Services Operated By Alaron Nuclear Services 2136 State Route 18 Wampum, PA 16157		CONTACT Mike Ottowski TELEPHONE NUMBER (Include Area Code) (724) 536-5777							
ORGANIZATION 3E Company				CONTACT Mahmoud Hakeem		TELEPHONE NUMBER (Include Area Code) (202) 319-5206		GENERATOR TYPE (Specify)		SIGNATURE - Authorized consignee acknowledging waste receipt		DATE							
2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST 1		6. CARRIER - Name and Address Ecology Services, Inc. 9135 Guilford Road, Suite 200 Columbia, MD 21046		Truck #: Trailer #:		EPA I.D. NUMBER MDR000524712		SHIPPING DATE 11/18/2015		10. CERTIFICATION This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and in proper condition for transportation and disposal in accordance with the requirements of 10 CFR Parts 20 and 81, or equivalent state regulation.							
4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? If "Yes", provide Manifest Number		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		EPA MANIFEST NUMBER N/A		CONTACT Greg Keck		TELEPHONE NUMBER (Include Area Code) 301-362-6700		DATE 11-18-15		AUTHORIZED SIGNATURE TITLE ESI DATE 11-18-15							
11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)				12. DOT LABEL "RADIOACTIVE"		13. TRANSPORT INDEX		14. PHYSICAL AND CHEMICAL FORM		15. INDIVIDUAL RADIOISOTOPES		16. TOTAL PACKAGE ACTIVITY MBq mCi		17. LSA/SCO CLASS		18. TOTAL WEIGHT OR VOLUME (Use appropriate units)		19. IDENTIFICATION NUMBER OF PACKAGE	
UN2915, RADIOACTIVE MATERIAL, TYPE A PACKAGE, 7 SEALED SOURCES 1 - 5 GAL DRUM				NA WHITE I CK		NA		SOLID/METAL OXIDES		SM-151		3.7000E+03 (1.0000E+02)		NA		0.68 ft ³ 5.00000 lb		CUA AL-SOURCE (15-001946)	
FOR CONSIGNEE USE ONLY				20. Generator Certification Statement A) Radioactive Materials. Certification is hereby made that this shipment of low-level radioactive waste has been prepared in accordance with a radioactive waste management program which has been approved by the Nuclear Regulatory Commission or an Agreement State regulatory agency and with the current revision of the site Material Acceptance Criteria. B) Hazardous Materials. Generator hereby certifies that the material does not contain a hazardous waste as defined in 40 CFR 261. C) Date. Generator hereby represents and warrants that all data set forth in this UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and site Radioactive Material License. D) INFECTIOUS SUBSTANCE: Generator hereby certifies that this material does not contain an infectious substance as defined in 40 CFR 173.134. Mahmoud Hakeem Print Name Signature 11/18/2015 Date															

RADIOACTIVE SEALED SOURCES REQUIRING LEAK TESTS

Date: 11/18/2015

RMIC#	Isotope	Source #	Device Authorized User	Location	Date	Results μCi
14-01	Co-57	S-165	Mossbauer Dr. Viragh	Han-230	11/18/2015	<0.005
	Sm-151	S-056	RSO	Disposed	11/18/2015	<0.005

Tennelec Series S4PC
Unit ID: SBAFC
User: Guest

SWIPE SURVEY ART
Procedure: Proc0

18Nov2015
11:40:00
Rev 4.05

Nodes: 48 Time Min: 1.00 Sap1 Rpt: 1 Exp Rpt: 001:001
Bkg Sub: Auto/Sys Eff Calc: Auto/Sys Act Calc: yes/On Sp1 Corr: yes/On
A Preset: 90000000 B Preset: 90000000 Wt Time: 0 Wt Cts: 0
BLD NFS: 0.25 BLD NFS: 21.20 dLLD NFS: 37.20 dULD NFS: 100.00

o/p Flat: 1c-99 03Apr2012 1380
o Bkg: BkgBlank 03Apr2012 0.90 ± 8.87E-02
B Bkg: BkgBlank 03Apr2012 19.98 ± 0.31
o Eff: Po239 03Apr2012 38.10 ± 1.90 a-18: 10.34 ± 7.86E-02
B Eff: 1c-99 03Apr2012 35.55 ± 1.77 B-10: 6.49E-02 ± 4.87E-03
Tas: 1.00 ± 0.00 a Action: 50.00 a MDA: 4.12 dpm
T8: 1.00 ± 0.00 B Action: 100.00 B MDA: 20.72 dpm

SAMPLE NUMBER	TIME MIN	ALPHA CTS	BETA CTS	ALPHA NORM	BETA NORM	ALPHA dpm	BETA dpm	SAMPLE START
001:001	1.00	2143	10960	2135.08	10718.44	5600.61	30146.58	11:33:28
002:001	1.00	1	17461	-11.08	17441.04	-29.08	49034.45	11:36:00
010:001	1.00	0	6	-0.65	-13.85	-0.35	-36.97	11:37:13
067:001	1.00	0	8	-0.65	-13.35	-2.00	-38.37	11:38:00
019:001	1.00	0	13	-0.90	-6.85	-0.36	-19.28	11:39:01

- Alpha Check Source
 - Beta Check Source
 → Background
 → Sm-151 sealed Source
 → Co-57 Sealed Source

Estimated burden per response to comply with this information collection request: 48 minutes. This uniform manifest is required by NRC to meet reporting requirements of Federal and State Agencies for the safe transportation and disposal of low-level waste. Send comments regarding burden estimate to the Records and FOIA/Privacy Services Branch (7-6 PE2), U.S. Nuclear Regulatory Commission, Washington, DC 20545-0091, or by Internet e-mail to info@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NRC-16222, (202-616-6144), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

FORM 548 Energy Solutions / Bear Creek Operations UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST SHIPPING PAPER		5. SHIPPER - NAME AND FACILITY Catholic University of America / DC C/O EnergySolutions 820 Michigan Ave. NE Washington, DC 20084		SHIPMENT ID NUMBER T132881		7. FORM 548 AND 549A FORM 541 AND 541A FORM 543 AND 543A ADDITIONAL INFORMATION		PAGE 1 OF 1 PAGE(S) 1 PAGE(S) 1 PAGE(S) 2 PAGE(S)		8. MANIFEST NUMBER (Use this number on all continuation pages) T132881							
1. EMERGENCY TELEPHONE NUMBER (Include Area Code) 888-220-1866		USER PERMIT NUMBER T-TND12-L-13		SHIPMENT NUMBER T132881		9. CONSIGNEE - Name and Facility Address Energy Solutions / Bear Creek Operations Operated By EnergySolutions 1580 Bear Creek Road Oak Ridge, TN 37830		CONTACT Fred Schultz		TELEPHONE NUMBER (Include Area Code) (865) 481-0222							
ORGANIZATION EnergySolutions / Brad Nelson Attn: Emergency Duty Officer		CONTACT Mahmoud Halem		TELEPHONE NUMBER (Include Area Code) (202) 319-6206		SIGNATURE - Authorized consignee acknowledging waste receipt		DATE									
2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? [] YES [X] NO		3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST 1		6. CARRIER - Name and Address Hitman Transport Services 1580S Bear Creek Road Oak Ridge, TN 37830		Truck #: 5437 Trailer #: 73086		EPA I.D. NUMBER TNR00034888		16. CERTIFICATION This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and in proper condition for transportation and disposal in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulation.							
4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? If "Yes", provide Manifest Number		EPA MANIFEST NUMBER NA		CONTACT Karen Kirby		EPA I.D. NUMBER TNR00034888		SHIPPING DATE 07/30/2013		DATE 7/30/13							
11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)		12. DOT LABEL "RADIOACTIVE"		13. TRANSPORT INDEX		14. PHYSICAL AND CHEMICAL FORM		15. INDIVIDUAL RADIONUCLIDES		16. TOTAL PACKAGE ACTIVITY MBq mCi		17. LSA/SCO CLASS		18. TOTAL WEIGHT OR VOLUME (Use appropriate units)		19. IDENTIFICATION NUMBER OF PACKAGE	
UN2915, RADIOACTIVE MATERIAL, TYPE A PACKAGE NON-SPECIAL FORM, 7 SEALED SOURCES 1 - METAL PAIL		Yellow II		0.5		SOLID/METAL OXIDES		CO-57 ; CO-60 ; SN-119M		3,1840E+00 (8,6324E-02)		NA		0.87 R ³ 10.00 lb		13-000341 (CUA 1)	
FOR CONSIGNEE USE ONLY				20. Generator Certification Statement													
Tennessee "License For Delivery" No. _____				A) Radioactive Materials: Certification is hereby made that this shipment of low-level radioactive waste has been prepared in accordance with a radioactive waste management program which has been approved by the Nuclear Regulatory Commission or an Agreement State regulatory agency and with the current edition of the site Material Acceptance Criteria.													
South Carolina Transport Permit No. _____				B) Hazardous Materials: Generator hereby certifies that this material does not contain a hazardous waste as defined in 49 CFR 261.													
US Ecology Generator No. _____				C) Date: Generator hereby certifies that all data set forth in this (RESPONSE TO LOW-LEVEL RADIOACTIVE WASTE SHIPMENT) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and site specific Site Material License.													
US Ecology Permit No. _____				D) INFECTIOUS SUBSTANCE: Generator hereby certifies that this material does not contain an infectious substance as defined in 49 CFR 173.154													
				Signature: <u>Mahmoud Halem</u> Date: <u>7/30/2013</u> Title: <u>Trucker/Driver</u>													

RADIOACTIVE SEALED SOURCES REQUIRING LEAK TESTS

Date: 05/03/2013

Isotope	RMIC#	License #	Device Authorized User	Location	Date	Results μ Ci
Sm-151	88-324	6.CC	RSO	RSO-SAFE	05/03/2013	<0.005
Co-57	06-11	LL	RSO	RSO-SAFE	05/03/2013	<0.005
Sn-119m	10-47	A	RSO	RSO-SAFE	05/03/2013	<0.005
Co-57	09-28	MM	Mossbauer Dr. Muller	Han-230	05/03/2013	<0.005
Co-60		6Z	RSO	RSO-SAFE	05/03/2013	<0.005

Transfer Series: SAPE
Unit ID: 55APE
User: Guest

SWIPE SURVEY RPT
Procedure: ProcC

03May2013
13:28:07
Rev4.05

Mode: a8 Time Min: 1.00 Smp Rpt: 1 Grp Rpt: 001:001
Bkg Sub: Auto/Sys Eff Calc: Auto/Sys Act Calc: Yes/On Spl Corr: Yes/On
a Preset: 90000000 B Preset: 90000000 Wk Time: 0 Wk Dts: 0
BLLD NFS: 0.25 BULD NFS: 21.20 ALLD NFS: 37.20 aULD NFS: 100.00

a+B Plat: Tc-99 03Apr2012 1380
a Bkg: BkgBlank 03Apr2012 0.90 ± 8.83E-02
B Bkg: BkgBlank 03Apr2012 19.95 ± 0.31
a Eff: Pu239 03Apr2012 38.10 ± 1.90 a-18: 10.34 ± 7.86E-02
B Eff: Tc-99 03Apr2012 35.55 ± 1.77 B-137: 6.40E-02 ± 4.87E-03
a: 1.00 ± 0.00 a Action: 50.00 a MDA: 4.12 dpm
B: 1.00 ± 0.00 B Action: 200.00 B MDA: 20.72 dpm

SAMPLE NUM:RPT	TIME MIN	ALPHA CTS	BETA CTS	ALPHA NCPM	BETA NCPM	ALPHA dpm	BETA dpm	SAMPLE START
001:001	1.00	8710	7443	8704.33	6522.09	22840.81	18343.95	13:13:32
002:001	1.00	1	31517	-20.08	31497.03	-52.71	88588.19	13:18:10
020:001	1.00	0	15	-0.90	-4.85	-2.36	-13.65	13:19:20
061:001	1.00	0	23	-0.90	3.14	-2.37	8.84	13:20:29
018:001	1.00	2	20	1.09	-6.3E-02	2.87	-0.17	13:21:39
099:001	1.00	0	22	-0.90	2.14	-2.37	6.02	13:22:48
066:001	1.00	0	19	-0.90	-0.85	-2.37	-2.40	13:23:57
007:001	1.00	0	16	-0.90	-3.85	-2.36	-10.84	13:25:07

- Alpha source
 - Beta source
 - Background
 - Co-57, Room 230 VSL, 50mci
 - Sn-119m, safe, Radwaste storage
 - Sm-151, safe, Radwaste storage
 - Co-57, safe, Radwaste storage
 - Co-60, safe Radwaste storage



ACKNOWLEDGEMENT - RECEIPT OF CORRESPONDENCE

Name and Address of Applicant and/or Licensee Mahmoud S. Haleem Radiation Safety Officer The Catholic University of America Cardinal Station Marist Annex Building Washington, DC 20064	Date June 24, 2016
	License Number(s) 08-02075-03
	Mail Control Number(s) 591169
	Licensing and/or Technical Reviewer or Branch Commercial, Industrial, R&D, and Academic Branch

This is to acknowledge receipt of your: Letter and/or Application **Dated:** June 16, 2016

The initial processing, which included an administrative review, has been performed.
 Amendment Termination New License Renewal

There were no administrative omissions identified during our initial review.

This is to acknowledge receipt of your application for renewal of the material(s) license identified above. Your application is deemed timely filed, and accordingly, the license will not expire until final action has been taken by this office.

Your application for a new NRC license did not include your taxpayer identification number. Please complete and submit NRC Form 531, Request for Taxpayer Identification Number, located at the following link: <http://www.nrc.gov/reading-rm/doc-collections/forms/nrc531.pdf>
 Follow the instructions on the form for submission.

The following administrative omissions have been identified:

Your application has been assigned the above listed MAIL CONTROL NUMBER. When calling to inquire about this action, please refer to this control number. Your application has been forwarded to a technical reviewer. Please note that the technical review, which is normally completed within 180 days for a renewal application (90 days for all other requests), may identify additional omissions or require additional information. If you have any questions concerning the processing of your application, our contact information is listed below:

Region I
U. S. Nuclear Regulatory Commission
Division of Nuclear Materials Safety
2100 Renaissance Boulevard, Suite 100
King of Prussia, PA 19406-2713
(610) 337-5260, (610) 337-5313,
(610) 337-5398, (610) 337-5239