

October 19, 1998

Commandant  
ATTN: AZTM-CM-AHP  
U.S. Army Chemical School  
Ft. McClellan, Alabama 36205

SUBJECT: TERMINATION OF LICENSE NO. 01-02861-0401-02861-04 (REFERENCE:  
CONTROL NO. 257737; DOCKET NO. 030-14759030-14759)

Dear Commandant:

On December 1, 1997, you contacted the U. S. Nuclear Regulatory Commission and indicated that you wished to terminate your NRC radioactive materials license. The NRC staff has reviewed your Allied Technology Group remediation and closeout survey report dated December 1996, Industrial Radiation Survey No. 27-MH-6999-97, Facility Close-out Verification Survey, Fort McClellan, AL, 17-22 August 1997 report dated February 6, 1998, July 16, 1998 memorandum providing additional sample analysis results, and NRC Form 314, Certificate of Disposition of Materials dated December 5, 1997. The NRC performed confirmatory surveys and observed decommissioning work in progress as documented in NRC Inspection Report Nos. 01-02861-04/97-01, 98-01, and 98-02, dated October 7, 1997, April 21, 1998, and May 22, 1998, respectively. Sample analysis results of soil, water, and clay samples obtained during these inspections are contained in the enclosure to this letter.

Based on its review, the staff has concluded that Buildings 3182 and 3192 and the surrounding fenced area at Fort McClellan, Alabama is suitable for unrestricted use in that residual radioactive material attributable to licensed activity does not exceed current NRC criteria.

If there are any errors or questions, please notify this office (ATTN: Ms. Diane Heim at (404) 562-4723) so that we can provide appropriate corrections and answers.

Sincerely,

Orysia Masnyk Bailey, License Reviewer  
Division of Nuclear Materials Safety

Enclosures: 1. NRC Materials License Termination  
2. Sample Analysis Results

cc w/encls: (See page 2)

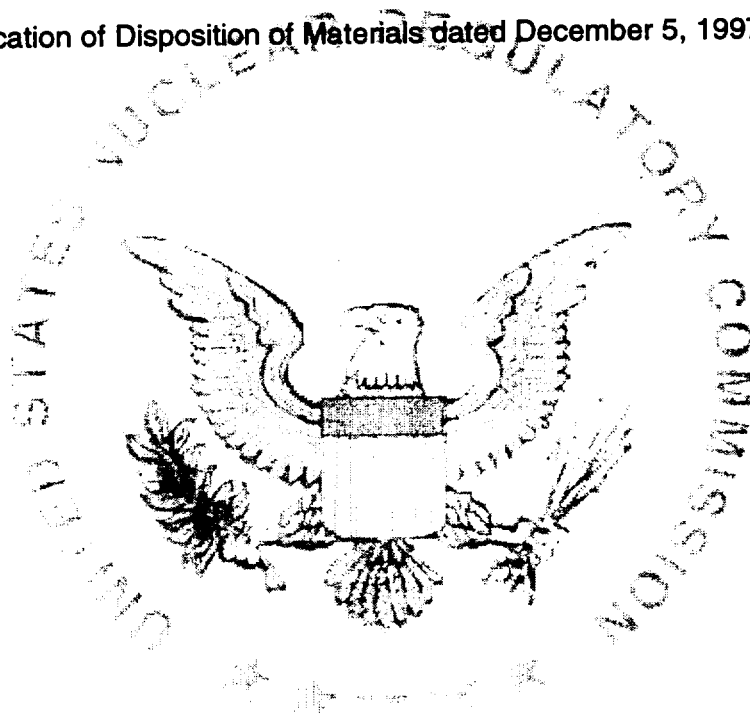
MATERIALS LICENSE  
SUPPLEMENTARY SHEETLicense No.  
01-02861-04Docket or Reference No.  
030-14759

Amendment No. 17

## OFFICIAL RECORD COPY

Commandant  
U.S. Army Chemical School  
ATTN: AZTM-CM-AHP  
Ft. McClellan, Alabama 36205

In accordance with Certification of Disposition of Materials dated December 5, 1997, License No. 01-02861-04, is hereby terminated.



FOR THE U.S. NUCLEAR REGULATORY COMMISSION

ORYSIA MASNYK BAILEY

Date

OCT 19 1998

By

*Orysia Masnyk Bailey*  
Region II, Division of Nuclear Materials Safety  
61 Forsyth Street, SW, Suite 23T85  
Atlanta, GA 30303

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**OFFICIAL RECORD COPY****MATERIALS LICENSE**

Amendment No. 16

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 39, 40, and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

Licensee		In accordance with application dated August 2, 1996	
1. Commandant U.S. Army Chemical School ATTN: AZTM-CM-AHP		3. License Number	01-02861-04
2. Ft. McClellan, Alabama 36205		is renewed in its entirety to read as follows:	
		4. Expiration Date	October 31, 2001
		5. Docket or Reference No.	030-14759
6. Byproduct, Source, and/or Special Nuclear Material	7. Chemical and/or Physical Form	8. Maximum Amount that Licensee May Possess at Any One Time Under This License	
A. Cobalt 60 and cesium 137	A. Surface contamination in hot cell facility	A. 1 millicurie	
9. Authorized Use:			
A. For possession of residual surface contamination in the licensee's hot cell facility and to perform decontamination and decommissioning activities at the hot cell facility and surrounding grounds in accordance with the decommissioning plan dated March 31, 1995, and supplementary documents dated June 1 and August 10, 1995.			

**CONDITIONS**

10. Licensed material shall be possessed only in and around the licensee's hot cell facility (Bldg. 3192).
11. The Radiation Protection Officer for the activities authorized by this license is John W. May or in his absence Kenneth S. Baugh, Robert L. Stephens, or James V. Landingham.
12. Licensed material shall be possessed under the supervision of, John W. May, Kenneth S. Baugh, Robert L. Stephens, or James V. Landingham.
13. The licensee shall maintain records of information important to safe and effective decommissioning at the Health Physics Office, USACML School located in Bldg. 1081, Fort McClellan, Alabama pursuant to the provisions of 10 CFR 30.35(g) until this license is terminated by the Commission.

ML20

# U. S. NUCLEAR REGULATORY COMMISSION MATERIALS LICENSE

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter 1, Parts 30, 31, 32, 33, 34, 35, 36, 40 and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s); and to import such byproduct and source material. This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

Licensee		
1. Department of the Army U. S. Army Military Police School/Training Center and 2. Ft. McClellan Ft. McClellan, Alabama 36205	3. License number	01-02861-04
	4. Expiration date	September 30, 1983
	5. Docket or Reference No.	01-02861-03
6. Byproduct, source, and/or special nuclear material	7. Chemical and/or physical form	8. Maximum amount that licensee may possess at any one time under this license
A. Cobalt 60 and Cesium 137	A. Surface contamination inside hot cell facility	A. 10 millicuries
9. Authorized use		
A. For possession in hot cell facility.		

## CONDITIONS

10. Licensed material shall be possessed only at the licensee's hot cell facility, Fort McClellan, Alabama.
11. The licensee shall comply with the provisions of Title 10, Chapter 1, Code of Federal Regulations, Part 19, "Notices, Instructions and Reports to Workers; Inspections" and Part 20, "Standards for Protection Against Radiation."
12. Licensed material shall be possessed under the supervision of, William E. Wible, Radiological Protection Officer.
13. Except as specifically provided otherwise by this license, the licensee shall possess and use licensed material described in Items 6, 7, and 8 of this license in accordance with statements, representations, and procedures contained in application received September 1, 1978.

For the U. S. Nuclear Regulatory Commission  
Original Signed By

PAUL E. GUINN

Radi isotopes Licensing Branch

by

Date SEP 26 1978

Division of Materials and Fuel Cycle  
Facility Licensing  
Washington, D. C. 20555

PG  
9/26/78

SAMPLE ANALYSIS RESULTS  
DEPARTMENT OF THE ARMY - FORT MCCLELLAN  
MARCH 9-12, 1997

SOIL AND WATER GAMMA ANALYSIS FOR Co-60 AND Cs-137

LOCATION	Cs-137 picocuries per gram)	Co-60 (picocuries per gram)
Grid M-18 (soil)	$0.15 \pm 0.02$	$0.10 \pm 0.02$
Grid M-28 (soil)	$0.46 \pm 0.02$	<0.03
Grid P-20 (soil)	$0.169 \pm 0.013$	$0.025 \pm 0.008$
Grid K-21 (soil)	$0.51 \pm 0.02$	$0.18 \pm 0.02$
Grid H-17 (soil)	$0.235 \pm 0.015$	$0.62 \pm 0.02$
Grid K-26 (soil)	$0.208 \pm 0.015$	$0.029 \pm 0.013$
left side museum door (soil)	$5.17 \pm 0.05$	$0.19 \pm 0.02$
middle museum door (soil)	$1.90 \pm 0.04$	$0.30 \pm 0.02$
Grid Z-18 (soil)	$0.044 \pm 0.010$	$0.03 \pm 0.02$
Well #2 depth 13 feet (water)	< 0.05	<0.04
Well #6 depth 17 feet (water)	<0.04	< 0.05
Well #11 depth 2 feet (water)	<0.03	<0.04
Well #7 depth 2 feet (water)	<0.04	<0.04
hot cell trench (clay)	$0.035 \pm 0.02$	$0.15 \pm 0.02$
Summerall Gate (dirt)	<0.02	$0.094 \pm 0.010$

Two soil samples were obtained on April 15, 1998, for analysis for Sr-90 contamination. These were taken from the area where Building 3180 stood. Sample #1 contained  $0.02 \pm 0.51$  picocuries per gram of soil of Sr-90, and sample #2 contained  $0.08 \pm 0.46$  picocuries per gram.



**DEPARTMENT OF THE ARMY**  
US ARMY CHEMICAL SCHOOL  
FORT MCCLELLAN, ALABAMA 36205-5020

REPLY TO  
ATTENTION OF

1 DEC 1997

Health Physics Office

SUBJECT: Completion of Decommissioning and License Termination.

U.S. Nuclear Regulatory Commission, Region 2,  
Division of Nuclear Materials Safety, Materials Licensing and Inspection Branch,  
Atlanta Federal Center,  
61 Forsyth Street, SW, Suite 23T85,  
Atlanta, Georgia 30303

Gentlemen:

Request termination of License Number 01-02861-04, Docket Number 030-14759 for the hot cell facility. Decommissioning was completed in December 1996 and the final decommissioning report was completed in January 1997. An original copy of the Final Report and supporting documentation was given to Orysia Masnyk Bailey of the U.S. Nuclear Regulatory Commission during her visit August 15-19 to observe the verification survey.

As is Army policy, a verification survey was conducted by the U.S. Army Center for Health Promotion and Preventive Medicine (CHPPM) August 15-19. Their findings show no radiation levels above release limits. A copy of the their report will be forwarded as soon as it arrives.

The point of contact is the Health Physics Manager, Mr. John W. May, (205) 848-5737.

Sincerely,

Daniel F. Uyesugi  
Colonel, U.S. Army  
Assistant Commandant

257737

Materials License Termination/Retirement Form

LICENSE #(s): 01-02861-04 DOCKET #(s): 030-14759  
ADDRESS: Commandant EXPIRATION DATE: 10-31-2001  
US Army Chemical School DATE OF CONTACT: 12-1-97  
ATTN: AZT-M-CM-AHP CONTACTED BY: JOHN MAY  
Fort McClellan AL TITLE: RSO  
36205 TELEPHONE: 856 848 5737

LICENSE TERMINATED: ☒

LICENSE TRANSFERRED: ☐

LICENSE TRANSFERRED TO: Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
Telephone: \_\_\_\_\_

BASIS FOR TERMINATION AND/OR RETIREMENT: \_\_\_\_\_  
Decommissioned FACILITY  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

TERMINATION DOCUMENTATION

1. License termination meets Type I criteria: Y \_\_ N \_\_
- ☐ Licensee used sealed sources only and the most recent leak test demonstrates that they did not leak while in the licensee's possession
- ☐ Licensee used radioactive material with  $T_{1/2} \leq 60$  days and it has decayed to less than the activity in 10 CFR Part 20 Appendix C
2. License termination meets Type II criteria: Y \_\_ N \_\_
- ☐ Licensee possessed and used only sealed sources but cannot demonstrate that the sources did not leak while in the licensee's possession
- ☐ Licensee possessed unsealed radioactive material with  $T_{1/2} \leq 60$  days but the maximum activity authorized under the license has not decayed to less than the quantity specified in 10 CFR Part 20, Appendix C
- ☐ Licensee possessed unsealed radioactive material with  $T_{1/2} > 60$  days but  $\leq 120$  days.
- ☐ Licensee possessed  $^{14}\text{C}$  or  $^3\text{H}$  but the total activity(s) and use authorized under the license warrants decommissioning under Type II (describe rationale above)