

**ABANDONED SHEET**

TO: License Fee Management Branch  
FROM: Region I  
SUBJECT: **ABANDONED APPLICATION**

Control Number: 126178

Applicant: Department of the Army

Date Abandoned: June 23, 1999

Reason for Abandonment: No response from licensee since 3/3/99 deficiency letter and followup phone calls (6/3 and 6/9/99) regarding termination of license SUC-1275 (040-08526). After review.

M. A. Perkins 6/23/99  
Signature Date

Attachment: Official Record Copy  
of Abandoned Action

**FOR LFMB USE ONLY**

Final Review of ABANDONMENT Completed:

Refund Authorized and Processed  
No Refund Due  
Fee Exempt or Fee Not Required

Comments: TERMINATION Denied Log Completed

Processed By: M

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OFFICIAL RECORD COPY

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June 23, 1999

Docket No. 040-08526  
Control No. 126178

License No. SUC-1275

LTC Donald C. Olson  
Commanding Officer  
Department of the Army  
Seneca Army Depot Activity  
ATTN: SDSSE-CO  
Romulus, NY 14541-5001

Dear LTC. Olson:

This concerns the application dated October 5, 1998, to terminate your material license and our letter dated March 3, 1999, in which we notified you that the application was deficient and that certain additional information was required. The letter stated that if we did not receive a response from you within 30 calendar days, we would assume that you no longer wished to pursue the action. The application was also discussed during the March 1999 inspection of your license, and in a telephone conversation between John Cleary of your staff and Betsy Ullrich of this office on June 3, 1999. To date, we have not received a response to our letter. Based on a telephone message on June 9, 1999, from John Cleary, we understand that additional time may be required to gather information prior to terminating the license.

We are notifying you that we have deemed your application abandoned. This action is taken without prejudice to the resubmission of your request.

Sincerely,

***Original signed by Francis M. Costello***

Francis M. Costello, Acting Chief  
Nuclear Materials Safety Branch 2  
Division of Nuclear Materials Safety

cc:  
John F. Cleary, Radiation Safety Officer

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D. Olson  
Department of the Army

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DOCUMENT NAME: B:\DNMS Documents\Lic Cover Letter\LSUC-1275.126178.wpd

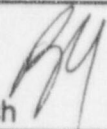
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To receive a copy of this document, indicate in the box: "C" = Copy w/o attach/encl "E" = Copy w/ attach/encl "N" = No copy

OFFICE	DNMS/RI	<input checked="" type="checkbox"/> N	DNMS/RI	<input checked="" type="checkbox"/> W			
NAME	EUI/rch		FCostello				
DATE	06/23/99		06/ /99		06/ /99		06/ /99

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TELEPHONE CONVERSATION RECORD		
Licensee Name: Army - Seneca	Date: June 3, 1999	Time: 10:45 AM
License No.: SUC-1275	Docket No.: 040-08526	Control No.: 126178
Licensee Contact:	Telephone No: 607-869-1235	
NRC Contact: Betsy Ullrich	Telephone No: 610-337-5040	
Subject: response to march 3, 199 deficiency letter		
<p><b>Summary:</b>  John cleary returned my call from earlier in the day inquiring about their response to the 3/3 deficiency letter. He stated that they know they need to do a decommissioning plan. I told him that a decommissioning plan may not be necessary, but they have to provide a better explanation - they need to answer the questions in the deficiency letter. Cleary said that all of the DU has been transferred, including commodity items from the Rock Island license. He is going to review the letter and get back to me early next week by telephone to discuss any further questions that he may have. The base is closed tomorrow, so most likely he will not get to this until Monday.</p>		
Action Required/Taken: Call Cleary 6/9 if he has not called back. Update monthly report.		
Signature:  Betsy Ullrich	Date: June 3, 1999	



March 3, 1999

Docket No. 040-08526  
Control No. 126178

License No. SUC-1275

LTC Donald C. Olson  
Commanding Officer  
Department of the Army  
Seneca Army Depot Activity  
ATTN: SDSSE-CO  
Romulus, NY 14541-5001

Dear LTC Olson:

This is in reference to your letter dated October 5, 1998 requesting to terminate Nuclear Regulatory Commission License No. SUC-1275. In order to continue our review, we need the following additional information:

1. Your letter requested relief from submitting a decommissioning plan, based on the results of past surveys, the results of surveys performed recently after removal of material from storage buildings, and the fact that demilitarization activities were never performed of the solid metal uranium alloy in the munitions, only storage.

Pursuant to 10 CFR 40.42(g)(1), a decommissioning plan must be submitted if required by license condition or if procedures and activities necessary to carry out decommissioning have not been previously approved. Currently, Condition 14 of Amendment No. 11 of your license requires that a decommissioning plan for Seneca Army Depot be submitted by January 4, 1999, in accordance with letters dated December 5, 1996 and August 13, 1997. The letter dated December 5, 1996 states that decommissioning would begin after a site-wide Environmental Impact Statement was being prepared. The letter dated August 13, 1997 requested that the due date for the decommissioning plan be extended because the Department of Defense was seeking approval of a radiation survey plan for the north end of the Depot from the EPA and the State of New York. The letter further stated that the plan is based on MARSSIM and would be the basis for the decommissioning plan.

If an Environmental Impact Statement was prepared, provide a copy to us. Confirm if the radiation survey plan described in the August 13, 1997 letter was approved, and inform us if the plan has been implemented. If not, please explain why a decommissioning plan was originally considered necessary, and the additional information you used to determine that it is not necessary at this time.

2. Your letter states that a small amount of licensed materials will continue to be possessed at the Seneca Army Depot pursuant to NRC License No. SUC-1380, which is under the

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jurisdiction of the Army Industrial Operations Command, based in Rock Island, Illinois. Therefore, although the NRC can terminate License No. SUC-1275, we will not release the facilities at Seneca Army Depot for unrestricted use until such time as License SUC-1380 is terminated or amended to release the Seneca Army Depot facilities for unrestricted use. Provide us with a copy of a letter or other document from the Army Industrial Operations Command that confirms the continued use of Seneca Army Depot facilities for licensed activities in accordance with SUC-1380, and that confirms the following:

- a. All other source material possessed under License No. SUC-1275, including any radioactive waste, has been properly disposed of or transferred to License No. SUC-1380.
  - b. All records required by 10 CFR 40.61 for activities previously authorized by License No. SUC-1275 at the Seneca Army Depot will be transferred to and maintained by the Army Industrial Operations Command pursuant to License No. SUC-1380.
3. If you wish to release the facilities at the Seneca Army Depot for unrestricted use then all source material must be removed from the facilities, including the material possessed pursuant to License No. SUC-1380. 10 CFR 40.42(j)(2) and 40.42(k)(3) require that radiation surveys be performed which demonstrate compliance with the criteria for decommissioning in 10 CFR 20.1401 through 20.1406. 10 CFR 20.1402 requires, in part, that a site will be considered acceptable for unrestricted use if the residual radioactivity that is distinguishable from background radiation results in a total effective dose equivalent (TEDE) to an average member of a critical group that does not exceed 25 millirem per year. The results provided in your letter include only surveys for removable alpha contamination (swipes).
- a. Describe how the results of swipes for removable alpha contamination are used as a measure of residual depleted uranium.
  - b. Provide results of radiation surveys to identify fixed residual contamination and radiation levels in the former storage facilities that demonstrate that the residual contamination in the facilities will not result in a TEDE of 25 millirem per year.

Guidance for demonstrating that your facilities meet the criteria for decommissioning is found in DG-4006 "Demonstrating Compliance with the Radiological Criteria for License Termination". A copy is enclosed for your information.

We will continue our review upon receipt of this information. Please reply in duplicate to my attention at the Region I Office and refer to Mail Control No. 126178. If you have any technical questions regarding this deficiency letter, please call me at (610) 337-5040.

D. Olson  
Department of the Army

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If we do not receive a reply from you within 30 calendar days from the date of this letter, we shall assume that you do not wish to pursue your application.

Sincerely,

***Original signed by Elizabeth Ullrich***

Elizabeth Ullrich  
Senior Health Physicist  
Nuclear Materials Safety Branch 2  
Division of Nuclear Materials Safety

Enclosure:

1. 10 CFR Parts 19, 20, 30, and 40
2. DG-4006 "Demonstrating Compliance with the Radiological Criteria for License Termination"

cc:

John F. Cleary, Radiation Safety Officer



D. Olson  
Department of the Army

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To receive a copy of this document, indicate in the box: "C" = Copy w/o attach/encl "E" = Copy w/ attach/encl "N" = No copy

OFFICE	DNMS/RI	N	DNMS/RI				
NAME	EU/RI						
DATE	03/03/99		03/ /99		03/ /99		03/ /99

OFFICIAL RECORD COPY

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

10/5/98, and to inform you that the initial processing which includes an administrative review has been performed.

☒ There were no administrative omissions. *TERMINATE SUC-1275* 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** 1 2 6 1 7 8  
When calling to inquire about this action, please refer to this control number.  
You may call us on (610) 337-5398, or 337-5260.

Sincerely,  
Licensing Assistance Team Leader



REPLY TO  
ATTENTION OF

DEPARTMENT OF THE ARMY

SENECA ARMY DEPOT ACTIVITY  
5786 STATE RTE 96  
ROMULUS, NEW YORK 14541-5001



October 5, 1998

Office of the Commander

040-08526

United States Nuclear Regulatory Commission  
Attention: Sattar Lodhi, Ph.D.  
Region I  
475 Allendale Road  
King of Prussia, PA 19406-1415

Dear Dr. Lodhi:

This letter is in reference to our NRC license number SUC-1275 amended August 31, 1998 (enclosure 1).

All source materials referenced in Section 6 of the Materials License were properly packaged and shipped to properly licensed Department of Defense installations. Request the license be terminated effective October 1, 1998.

Based on negative results from years of semi-annual radiation surveys, followed by several years of annual radiation surveys in all affected buildings, we request relief from submitting a decommissioning plan as listed in Condition 14 of our license. Enclosure 2 is a copy of the dry smear analysis of our most recent surveys, taken after the buildings were empty of all licensed material during the July-August 1998 timeframe. These results, when coupled with all previous surveys and the fact that demilitarization of these items never occurred at this site, clearly indicate that any further surveys of these same buildings is unwarranted.

We still hold a small amount of material under the Industrial Operations Command's NRC license number 1390 (enclosure 3), and will comply with all requirements of that license.

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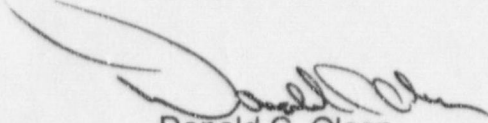
OCT 13 1998



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Thank you for your assistance in this matter.

Sincerely,

A handwritten signature in black ink, appearing to read "Donald C. Olson", written in a cursive style.

Donald C. Olson  
LTC, U.S. Army  
Commanding Officer

3 Enclosures

## 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 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.

<p>Licensee</p> <p>1. Department of the Army Commander, Seneca Army Depot Activity ATTN: SDSSE-CO</p> <p>2. Romulus, New York 14541-5001</p>	<p>In accordance with the application dated June 18, 1998,</p> <p>3. License number SUC-1275 is amended in its entirety to read as follows:</p> <hr/> <p>4. Expiration date February 28, 2005</p> <hr/> <p>5. Docket No. 040-08526 Reference No.</p>
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- |   |                                  |  |
|---|----------------------------------|--|
| 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. Uranium (depleted in the isotope uranium 235)      | A. Solid metal alloy             | A. 5,000,000 kilograms   |
| B. Uranium (depleted in the isotope uranium 235)      | B. Solid metal alloy             | B. 5,000,000 kilograms   |
9. Authorized use:
- A. For receipt, possession, storage, transportation, inspection and disposal incident to the demilitarization of munitions.
- B. For receipt, possession, storage, transportation, inspection, and disposal incident to demilitarization of munitions from other licensed U.S. Army and U.S. Navy installations.

## CONDITIONS

10. Licensed material may be used only at the licensee's facilities located at the Seneca Army Depot, Romulus, New York.
11. A. Licensed material shall be used by, or under the supervision of John F. Cleary, Michael R. Lewis, or Thomas E. Reynolds.
- B. The Radiation Safety Officer for this license is John Cleary.
12. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."

*Encl 1*

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**

License Number

SUC-1275

Docket or Reference Number

040-08526

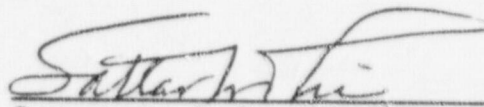
Amendment No. 11

13. Radioactive waste generated shall be stored in accordance with the statements, representations, and procedures included with the waste storage plan described in the licensee's letter dated January 27, 1995.
14. In accordance with 10 CFR 40.42(g)(2) and the licensee's letters dated December 5, 1996 and August 13, 1997, a decommissioning plan for the licensee's facilities at the Seneca Army Depot, Romulus, New York, must be submitted to the NRC by January 4, 1999.
15. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below, except for minor changes in the medical use radiation safety procedures as provided in 10 CFR 35.31. The U.S. Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.
- A. Letter dated January 17, 1992
  - B. Letter dated March 31, 1992
  - C. Application dated October 30, 1992
  - D. Letter dated November 2, 1992
  - E. Letter dated December 21, 1992
  - F. Letter dated September 2, 1993
  - G. Letter dated September 27, 1993
  - H. Letter dated December 15, 1993
  - I. Letter dated January 27, 1995
  - J. Letter dated December 5, 1996
  - K. Letter dated August 13, 1997

For the U.S. Nuclear Regulatory Commission

Date August 31, 1998

By



Sattar Lodhi, Ph.D.

Nuclear Materials Safety Branch 2

Division of Nuclear Materials Safety

Region I

King of Prussia, Pennsylvania 19406

22821504





REPLY TO  
ATTENTION OF

DEPARTMENT OF THE ARMY  
UNITED STATES ARMY AVIATION AND MISSILE COMMAND  
REDSTONE ARSENAL, ALABAMA 35898-5000

AMSAM-TMD-SR(C) (385-11d)

10 September 1998

MEMORANDUM FOR Commander, Seneca Army Depot Activity, ATTN: SIOSE-S,  
5786 State Rte 96, Romulus, NY 14541-5001

SUBJECT: Wipe Tests

1. The results of wipe tests taken from 120 igloos used for dU storage made at your facility, which this laboratory received on 20 August 1998, are indicated on the enclosed sheets.
2. Traceability to NIST is provided by an Am-241 source, SN: CS957, last calibrated date: 2 June 1997. This source was calibrated at NIST and was used to calibrate the counters used to evaluate your wipe tests. The NIST calibration documents are maintained on file at this facility.
3. The POC is Sun Almond, COM 256-876-3340/0472 or DSN 746-3340/0472.

Encls

PATRICK J. KUYKENDALL  
Chief, Rad Standards and Dos Lab

Seneca Army Depot  
dU Survey

IDENTIFICATION	DRM(A)PHA	IDENTIFICATION	DRM(A)PHA	IDENTIFICATION	DRM(A)PHA	IDENTIFICATION	DRM(A)PHA
A0201		A0901		B0609		B0802	
1	0.0	1	0.0	1	0.0	1	0.0
2	0.0	2	0.0	2	0.0	2	0.0
3	0.0	3	0.0	3	0.0	3	0.8
4	0.0	4	0.0	4	0.0	4	0.0
5	0.0	5	0.0	5	0.0	5	0.0
A0316		A0905		B0610		B0804	
1	0.0	1	0.0	1	0.0	1	0.0
2	0.0	2	0.0	2	0.0	2	0.0
3	0.0	3	0.0	3	0.0	3	0.0
4	0.0	4	0.0	4	0.0	4	0.0
5	0.0	5	0.0	5	0.0	5	0.0
A0317		A1108		B0701		B0809	
1	0.0	1	0.0	1	0.0	1	0.0
2	0.0	2	0.0	2	0.0	2	0.0
3	0.0	3	0.0	3	0.0	3	0.0
4	0.0	4	0.0	4	0.0	4	0.0
5	0.0	5	0.0	5	0.0	5	0.0
A0508		A1109		B0705		B0810	
1	0.0	1	0.0	1	0.0	1	0.0
2	0.0	2	0.0	2	0.0	2	0.0
3	0.0	3	0.0	3	0.0	3	0.0
4	0.0	4	0.0	4	0.0	4	0.0
5	0.0	5	0.0	5	0.0	5	0.0
A0701		B0109		B0707		B0811	
1	0.0	1	0.0	1	0.0	1	0.0
2	0.0	2	0.0	2	0.0	2	0.8
3	0.0	3	0.0	3	0.0	3	0.0
4	0.0	4	0.0	4	0.0	4	0.0
5	0.0	5	0.0	5	0.0	5	0.0
A0706		B0411		B0708		B0909	
1	0.0	1	0.0	1	0.0	1	0.0
2	0.0	2	0.0	2	0.0	2	0.0
3	0.0	3	0.0	3	0.0	3	0.0
4	0.0	4	0.0	4	0.0	4	0.0
5	0.0	5	0.0	5	0.0	5	0.0
A0707		B0501		B0709		C0203	
1	0.0	1	0.0	1	0.0	1	0.0
2	0.0	2	0.0	2	0.0	2	0.0
3	0.0	3	0.0	3	0.0	3	0.0
4	0.0	4	0.0	4	0.0	4	0.0
5	0.0	5	0.0	5	0.0	5	0.8
A0710		B0602		B0711		C0303	
1	0.0	1	0.0	1	0.0	1	0.0
2	0.0	2	0.0	2	0.0	2	0.0
3	0.0	3	0.0	3	0.0	3	0.0
4	0.0	4	0.0	4	0.0	4	0.0
5	0.0	5	0.0	5	0.8	5	0.8
A0711		B0603		B0801		C0307	
1	0.0	1	0.0	1	0.0	1	0.0
2	0.0	2	0.0	2	0.0	2	0.0
3	0.0	3	0.0	3	0.0	3	0.8
4	0.0	4	0.0	4	0.0	4	0.0
5	0.0	5	0.0	5	0.0	5	0.0

Seneca Army Depot  
dU Survey

IDENTIFICATION	DRM(AIRPHA)	IDENTIFICATION	DRM(AIRPHA)	IDENTIFICATION	DRM(AIRPHA)	IDENTIFICATION	DRM(AIRPHA)
C0308		C0504		C0606		C0809	
1	0.0	1	0.7	1	0.0	1	0.0
2	0.0	2	0.0	2	0.0	2	0.0
3	0.0	3	0.0	3	0.0	3	0.0
4	0.0	4	0.0	4	0.0	4	0.0
5	0.0	5	0.0	5	0.0	5	0.0
C0401		C0505		C0608		C0901	
1	0.0	1	0.0	1	0.0	1	0.0
2	0.0	2	0.0	2	0.0	2	0.0
3	0.0	3	0.7	3	0.0	3	0.0
4	0.0	4	0.0	4	0.0	4	0.0
5	0.0	5	0.0	5	0.0	5	0.0
C0403		C0508		C0701		C0902	
1	0.0	1	0.7	1	0.0	1	0.0
2	0.0	2	0.0	2	0.0	2	0.0
3	0.0	3	0.9	3	0.0	3	0.0
4	0.0	4	0.0	4	0.0	4	0.0
5	0.0	5	0.0	5	0.0	5	0.9
C0405		C0510		C0706		C0906	
1	0.0	1	0.0	1	0.0	1	0.0
2	0.0	2	0.7	2	0.0	2	0.0
3	0.0	3	0.0	3	0.0	3	0.0
4	0.0	4	1.5	4	0.0	4	0.0
5	0.0	5	0.0	5	0.0	5	0.0
C0406		C0511		C0707		C0907	
1	0.0	1	1.5	1	0.0	1	0.0
2	0.0	2	0.7	2	0.0	2	0.0
3	0.0	3	0.0	3	0.0	3	0.0
4	0.0	4	0.0	4	0.0	4	0.0
5	0.7	5	0.7	5	0.0	5	0.0
C0407		C0513		C0708		C0908	
1	0.0	1	0.0	1	0.0	1	1.3
2	0.0	2	0.0	2	0.0	2	0.0
3	0.0	3	0.0	3	0.0	3	0.0
4	0.0	4	0.0	4	0.0	4	1.3
5	0.7	5	0.0	5	0.0	5	0.0
C0408		C0603		C0801		C0909	
1	0.0	1	0.0	1	0.0	1	0.0
2	0.0	2	0.0	2	0.0	2	0.0
3	0.7	3	0.0	3	0.0	3	0.0
4	0.0	4	0.0	4	0.0	4	0.0
5	0.7	5	0.0	5	0.0	5	0.9
C0501		C0604		C0803		C0912	
1	0.0	1	0.0	1	0.0	1	0.0
2	0.0	2	0.0	2	0.0	2	0.9
3	0.7	3	0.0	3	0.0	3	0.0
4	0.0	4	0.0	4	0.0	4	0.9
5	0.0	5	0.0	5	0.0	5	0.0
C0503		C0605		C0807		D0104	
1	0.0	1	0.0	1	0.0	1	0.0
2	0.0	2	0.0	2	0.0	2	0.9
3	0.0	3	0.0	3	0.0	3	0.0
4	1.2	4	0.0	4	0.0	4	0.9
5	0.0	5	0.0	5	0.0	5	0.0



Seneca Army Depot  
dU Survey

IDENTIFICATION (DEMILPHAY)	IDENTIFICATION (DEMILPHAY)	IDENTIFICATION (DEMILPHAY)	IDENTIFICATION (DEMILPHAY)
D0105	D0312	D0711	E0302
1 0.0	1 0.0	1 0.0	1 0.0
2 0.0	2 0.0	2 1.1	2 0.0
3 0.0	3 0.0	3 0.0	3 0.0
4 0.0	4 0.0	4 0.0	4 0.0
5 0.0	5 0.0	5 0.0	5 0.0
D0107	D0406	D0712	E0303
1 0.0	1 0.0	1 0.0	1 0.0
2 0.9	2 0.0	2 0.0	2 0.0
3 0.0	3 0.0	3 0.0	3 0.0
4 0.0	4 0.0	4 0.0	4 0.0
5 0.0	5 0.0	5 0.0	5 0.0
D0108	D0407	D0801	E0312
1 0.0	1 0.0	1 0.0	1 0.0
2 0.0	2 0.0	2 0.0	2 0.0
3 0.0	3 0.0	3 0.0	3 0.0
4 1.3	4 0.0	4 0.0	4 0.0
5 0.0	5 0.0	5 1.1	5 0.0
D0110	D0413	D0805	E0402
1 0.0	1 0.0	1 0.0	1 0.0
2 0.0	2 0.0	2 0.0	2 0.0
3 0.0	3 0.0	3 0.0	3 0.0
4 0.0	4 0.0	4 0.0	4 0.0
5 0.9	5 0.0	5 0.0	5 0.0
D0113	D0601	E0103	E0410
1 0.0	1 0.0	1 0.0	1 0.0
2 0.0	2 0.0	2 0.0	2 0.0
3 0.0	3 0.0	3 0.0	3 0.0
4 0.0	4 0.0	4 0.0	4 0.0
5 0.0	5 0.9	5 0.0	5 0.0
D0206	D0604	E0105	E0411
1 0.0	1 0.0	1 0.0	1 0.0
2 0.0	2 0.0	2 0.0	2 0.0
3 0.0	3 0.0	3 0.0	3 0.0
4 0.0	4 0.0	4 0.0	4 0.0
5 0.0	5 0.0	5 0.0	5 0.0
D0207	D0607	E0112	E0413
1 0.0	1 0.0	1 0.0	1 0.0
2 0.0	2 0.0	2 0.0	2 0.0
3 0.0	3 0.0	3 0.0	3 0.0
4 0.0	4 0.0	4 0.0	4 0.0
5 0.0	5 0.0	5 0.0	5 0.0
D0305	D0704	E0211	E0504
1 0.0	1 0.0	1 0.0	1 0.0
2 0.0	2 0.0	2 0.0	2 0.0
3 0.0	3 0.0	3 0.0	3 0.0
4 0.0	4 0.0	4 0.0	4 0.0
5 0.0	5 0.0	5 0.0	5 0.0
D0306	D0705	E0301	E0506
1 0.0	1 0.0	1 0.0	1 0.0
2 0.0	2 0.0	2 0.0	2 1.3
3 0.0	3 0.0	3 0.0	3 0.0
4 0.0	4 0.0	4 0.0	4 0.0
5 0.0	5 0.0	5 0.0	5 0.0

**Seneca Army Depot  
dU Survey**

IDENTIFICATION NO. DEPTH (ft) ALPHA		IDENTIFICATION NO. DEPTH (ft) ALPHA	
E0508		E0610	
1	0.0	1	0.0
2	0.0	2	0.0
3	0.0	3	0.0
4	0.0	4	0.0
5	0.0	5	0.0
E0510		E0702	
1	0.0	1	0.0
2	0.0	2	0.0
3	0.0	3	0.0
4	0.0	4	0.0
5	0.0	5	0.0
E0512		E0706	
1	0.0	1	0.0
2	0.0	2	0.0
3	0.0	3	0.0
4	0.0	4	0.0
5	0.0	5	0.0
E0602		E0711	
1	0.0	1	0.0
2	0.0	2	0.0
3	0.0	3	0.0
4	0.0	4	0.0
5	0.0	5	0.0
E0604		E0801	
1	0.0	1	0.0
2	0.0	2	0.0
3	0.0	3	0.0
4	0.0	4	0.0
5	0.0	5	0.0
E0609		E802	
1	0.0	1	0.0
2	0.0	2	0.0
3	0.0	3	0.0
4	0.0	4	0.6
5	0.0	5	1.1

Note: Limit of Detection (LD) is 3 dpm for Alpha.

SIOSE-S (385-11)

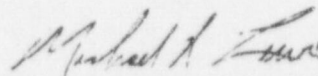
13 Aug 98

MEMORANDUM FOR U.S. Army Ionizing Radiation Dosimetry Center,  
U.S. Army TMDE Activity, ATTN: AMSMI-TMDE-SR-DR  
Redstone Arsenal, AL 35898-5400

SUBJECT: Request for Evaluation

1. Request you evaluate the following swipes as listed on the enclosure.
2. The swipes where taken from 120 iglcos used for DU storage. The swipes where taken using medium pressure over an area of approximately 100 cm2.
3. Please call immediately if any swipe exceeds Army standards.
4. Please separate reports by month
5. Point of contact is Mr. Michael R. Lewis, DSN 489-5261.

Encl



MICHAEL R. LEWIS  
Radiation Protection Officer

RECEIVED  
AUG 20 1998

600 DU wipes



# Rad Igloos 1998

A0201	B0109	C0203	D0104	E0103
A0316	B0411	C0303	D0105	E0105
A0317	B0501	C0307	D0107	E0112
A0508	B0602	C0308	D0108	E0211
A0701	B0603	C0401	D0110	E0301
A0706	B0609	C0403	D0113	E0302
A0707	B0610	C0405	D0206	E0303
A0710	B0701	C0406	D0207	E0312
A0711	B0705	C0407	D0305	E0402
A0901	B0707	C0408	D0306	E0410
A0905	B0708	C0501	D0312	E0411
A1108	B0709	C0503	D0406	E0413
A1109	B0711	C0504	D0407	E0504
	B0801	C0505	D0413	E0506
	B0802	C0508	D0601	E0508
	B0804	C0510	D0604	E0510
	B0809	C0511	D0607	E0512
	B0810	C0513	D0704	E0602
	B0811	C0603	D0705	E0604
	B0909	C0604	D0711	E0609
		C0605	D0712	E0610
		C0606	D0801	E0702
		C0608	D0805	E0706
		C0701		E0711
		C0706		E0801
		C0707		E0802
		C0708		
		C0801		
		C0803		
		C0807		
		C0809		
		C0901		
		C0902		
		C0906		
		C0907		
		C0908		
		C0909		
		C0912		

NOTE ALL IGLOOS HAVE 5 SWIPES LABELED -1 THRU 5

## MATERIALS LICENSE

Amendment No. 30

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 18.2 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  
Commander  
U.S. Army Industrial Operations Command
2. ATTN: AMSIO-DMW  
Rock Island, IL 61299-6000

In accordance with letter dated  
March 17, 1997

3. License Number SUC-1380 is amended in  
its entirety to read as follows:

4. Expiration Date November 30, 2002

5. Docket or  
Reference No. 040-08767, SUB-1195

6. Byproduct, Source, and/or  
Special Nuclear Material7. Chemical and/or Physical  
Form8. Maximum Amount that Licensee  
May Possess at Any One Time  
Under This License

A. Depleted uranium

A. Solid Metal alloy

A. 42,000,000  
Kilograms

B. Depleted uranium

B. Solid Metal alloy

B. 14,000 Kilograms

## 9. Authorized Use:

- A. To be used for receipt, storage and transfer of military devices containing depleted uranium components.
- B. For possession and storage incident to decommissioning of facilities.

CONDITIONS

10. A. Licensed material listed in subitem 7.A. may be stored in bulk quantities at the Sierra Army Depot, Herlong, California; Seneca Army Depot, Romulus, New York; Hawthorne Army Ammunition Plant, Hawthorne, Nevada; the Letterkenny Army Depot, Chambersburg, Pennsylvania; Crane Army Activity, Crane, Indiana; Bluegrass Army Depot, Richmond, Kentucky; Anniston Army Depot, Anniston, Alabama; Tooele Army Depot, Tooele, Utah; McAlester Army Ammunition Plant, McAlester, Oklahoma; and Red River Army Depot, Texarkana, Texas. Licensed material for deployment may be stored at temporary locations at U.S. Army bases anywhere in the United States.
- B. Licensed material listed in Subitem 7.B. may be stored at the Lake City Army Ammunition plant, Independence, Missouri, incident to decommissioning of facilities.

Encl 3

MATERIALS LICENSE  
SUPPLEMENTARY SHEET

License Number

SUC-1380

Docket or Reference Number

040-08767, SUB-1195

Amendment No. 30

11. A. Licensed material shall be used by, or under the supervision of, Stephen R. Mapley, Kelly Crooks, Gary W. Buckrop, or Patricia A. Haworth.
- B. The Radiation Safety Officer for this license is Kelly Crooks.
- C. First alternative Radiation Safety Officer for this license is Gary W. Buckrop.
- D. Second Alternate Radiation Safety Officer for this license is Patricia A. Haworth.
12. This license does not authorize the firing of ammunition containing licensed material.
13. The license shall not store more than 10,000,000 kilograms of licensed material at each bulk location and not more than 50,000 kilograms at each temporary storage location.
14. The licensee shall maintain records of information important to safe and effective decommissioning at the Department of the Army HQ, U.S. Army Industrial Operations Command, Rock Island, Illinois per the provisions of 10 CFR 30.35(g) until this license is terminated by the Commission.
15. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. The U.S. Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.
- A. Application dated November 20, 1996; and
- B. Letter dated march 17, 1997 (with enclosures).

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date

JUN 13 1997

By

*Loren J. Hunter*

Nuclear Materials Licensing Branch, Region III





UNITED STATES  
NUCLEAR REGULATORY COMMISSION

REGION III  
801 WARRENVILLE ROAD  
LISLE, ILLINOIS 60532-4351

JUN 13 1997

Stephen R. Mapley, Chief  
Radioactive Waste Disposal Division  
U.S. Army Industrial Operations Command  
Department of the Army  
ATTN: AMSIO-DMW  
Rock Island, IL 61299-6000

Dear Mr. Mapley:

Enclosed is Amendment No. 30 to your NRC Material License No. SUC-1380 in accordance with your request.

Please review the enclosed document carefully and be sure that you understand all conditions. If there are any errors or questions, please notify the U.S. Nuclear Regulatory Commission, Region III office at (630) 829-9887 so that we can provide appropriate corrections and answers.

The enclosed amendment authorizes you to release for unrestricted use, Building Nos. 603, 608 and part of Building No. 1503, at McAlester Army Ammunition Plant, McAlester, Oklahoma, where contaminated manufacturing equipment had previously been stored. The amendment modifies License Items 6., 7., 8. and 9. and License Condition 10.B., accordingly.

The authorization to release the specified facilities for unrestricted use is based on your disposal of the contaminated equipment followed by the Army's close-out survey, INDUSTRIAL RADIATION SURVEY NO. 27-MH-5113-96, FACILITY CLOSE-OUT AND TERMINATION SURVEY, MCALESTER ARMY AMMUNITION PLANT, MCALESTER, OKLAHOMA. Please note that Chemrad's "USRAD and INSRAD System" survey was not considered necessary and therefore was not used as a basis for the release for unrestricted use of the specified facilities. The survey data demonstrate that the residual contamination is within NRC guidelines for unrestricted release.

Please be advised that your license expires at the end of the day, in the month, and year stated in the license. Unless your license has been terminated, you must conduct your program involving byproduct materials in accordance with the conditions of your NRC license, representations made in your license application, and NRC regulations. In particular, note that you must:

1. Operate in accordance with NRC regulations 10 CFR Part 19, "Notices, Instructions and Reports to Workers; Inspections," 10 CFR Part 20, "Standards for Protection Against Radiation," and other applicable regulations.

1 6 JUN 1997

2. Notify NRC, in writing, within 30 days:
  - a. When the Radiation Safety Officer permanently discontinues performance of duties under the license or has a name change; or
  - b. When the mailing address listed on the license changes. (No fee is required if the location of byproduct material remains the same.)
3. In accordance with 10 CFR 30.36(b) and/or license condition, notify NRC, promptly, in writing, and request termination of the license when a decision is made to terminate all activities involving materials authorized under the license.

Request and obtain a license amendment before you:

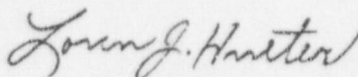
  - a. Change Radiation Safety Officers;
  - b. Order byproduct material in excess of the amount, or radionuclide, or form different than authorized on the license;
  - c. Add or change the areas of use or address or addresses of use identified in the license application or on the license; or
  - d. Change ownership of your organization.
5. Submit a complete renewal application with proper fee or termination request at least 30 days before the expiration date of your license. You will receive a reminder notice approximately 90 days before the expiration date. Possession of byproduct material after your license expires is a violation of NRC regulations. A license will not normally be renewed, except on a case-by-case basis, in instances where licensed material has never been possessed or used.

In addition, please note that NRC Form 313 requires the applicant, by his/her signature, to verify that the applicant understands that all statements contained in the application are true and correct to the best of the applicant's knowledge. The signatory for the application should be the licensee or certifying official rather than a consultant.

You will be periodically inspected by NRC. Failure to conduct your program in accordance with NRC regulations, license conditions, and representations made in your license application and supplemental correspondence with NRC will result in enforcement action against you. This could include issuance of a

notice of violation, or imposition of a civil penalty, or an order suspending, modifying or revoking your license as specified in the General Statement of Policy and Procedure for NRC Enforcement Actions. Since serious consequences to employees and the public can result from failure to comply with NRC requirements, prompt and vigorous enforcement action will be taken when dealing with licensees who do not achieve the necessary meticulous attention to detail and the high standard of compliance which NRC expects of its licensees.

Sincerely,



Loren J. Hueter  
Nuclear Materials Licensing Branch

License No.: SUC-1380  
Docket No.: 040-08767

Enclosures: 1. Amendment No. 30  
2. NRC Form 313



BETWEEN:

License Fee Management Branch: ARM  
and  
Regional Licensing Sections

Program Code: 11300  
Status Code: 0  
Fee Category: EX 2C  
Exp. Date: 20050228  
Fee Comments: NOT SHIELDING  
Decom Fin Assur Req: Y

LICENSE FEE TRANSMITTAL

A. REGION I

1. APPLICATION ATTACHED

Applicant/Licensee: ARMY, DEPARTMENT OF THE  
Received Date: 981013  
Docket No: 4008526  
Control No.: 126178  
License No.: SUC-1275  
Action Type: Termination

2. FEE ATTACHED

Amount: /  
Check No.: /

3. COMMENTS

Signed M. A. Carline  
Date 10/14/98

8. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 02 is entered / /)

1. Fee Category and Amount: FEE EXEMPT

2. Correct Fee Paid. Application may be processed for:

Amendment: \_\_\_\_\_  
Renewal: \_\_\_\_\_  
License: \_\_\_\_\_

3. OTHER \_\_\_\_\_

Signed \_\_\_\_\_  
Date \_\_\_\_\_