

December 31, 2003

Colonel Mike G. Mullins
Office of the Commander
Department of the Army
1 Rock Island Arsenal
Rock Island, IL 61299-5000

SUBJECT: AMENDMENT NO. 11 TO SOURCE MATERIAL LICENSE NO. SUB-1435
CHANGING COMMAND FOR JEFFERSON PROVING GROUND TO ROCK
ISLAND ARSENAL, IL (TAC NO. L52058)

Dear Colonel Mullins:

I am responding to your letter dated December 10, 2003, requesting the U.S. Nuclear Regulatory Commission amend Material License No. SUB-1435 to change the certifying official from Dr. John M. Ferriter, Director of Operations, U.S. Army Chemical Materials Agency, 5183 Black Hawk Road, Aberdeen Proving Ground, MD, to Colonel Mike G. Mullins, Office of the Commander, Department of the Army, 1 Rock Island Arsenal, Rock Island, IL. A signed NRC Form 313 and a revised Jefferson Proving Ground (JPG) Security Plan were submitted with the letter. Ms. Joyce E. Kuykendall will continue as the License Radiation Safety Officer for JPG.

The recent realignment of Department of Army activities has resulted in the transfer of management of the JPG site. This is similar to the change in command that resulted in License Amendment No. 10 when the license was transferred from "The U.S. Department of the Army, U.S. Army Test and Evaluation Command, Aberdeen Proving Ground, Maryland 21005-5055" to "The U.S. Department of the Army, U.S. Army Soldier and Biological Chemical Command, Aberdeen Proving Ground, Maryland 21010-5424." A safety evaluation report was prepared for the transfer of command in June 2000 and is still applicable for the current transfer of command (see ADAMS ML003716871). Rock Island Arsenal has assumed responsibility for the management of the existing environmental monitoring program, and will continue the oversight of the radiation safety program and NRC license until its termination.

This license revision meets the condition that: (i) there is no significant change in the types, or significant increase in the amounts of any effluent that may be released offsite; (ii) there is no significant increase in individual or cumulative occupational radiation exposure; (iii) there is no significant construction impact; and (iv) there is no significant increase in the potential for, or consequences from radiological accidents. Therefore, in accordance with 10 CFR 51.22(c)(11), neither an environmental assessment nor an environmental impact statement is warranted for this action.

Based on the review of the licensee's organizational structure, NRC staff has determined that it is acceptable to transfer licensing responsibility for the JPG site to Rock Island Arsenal because the level of U.S. Army management involvement remains the same. To reflect the change of U.S. Army Command responsible for licensed materials at the site, NRC staff has revised the following license conditions:

2. Rock Island Arsenal
1 Rock Island Arsenal
Rock Island, Illinois 61299-5000

10. Authorized place of use:
 - B. This license has been transferred from the "The U.S. Department of the Army, U.S. Army Soldier and Biological Chemical Command, Aberdeen Proving Ground, Maryland 21010-5424" to "U.S. Department of the Army, 1 Rock Island Arsenal, Rock Island, Illinois 61299-5000."

All other license conditions shall remain the same. Enclosed is License No. SUB-1435 Amendment No. 11. If you have any questions, please contact Mr. Tom McLaughlin, of my staff, at (301) 415-5869.

Sincerely,

/RA/

Daniel M. Gillen, Chief
Decommissioning Branch
Division of Waste Management
Office of Nuclear Material Safety
and Safeguards

Docket No. 040-08838
License No. SUB-1435

cc: JPG distribution list

Enclosure:

1. Amendment No. 11 to License SUB-1435

Colonel Mullins

-2-

2. Rock Island Arsenal
1 Rock Island Arsenal
Rock Island, Illinois 61299-5000

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Docket No. 040-08838
License No. SUB-1435
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Enclosure:
1. Amendment No. 11 to License SUB-1435

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*See previous concurrence

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|--------|---------------|------------|--------------|--|-----|--|
| OFFICE | DCB | | DCB | | DCB | |
| NAME | T.McLaughlin* | C.Craig* | D.Gillen | | | |
| DATE | 12/30/2003 | 12/30/2003 | 12 /31 /2003 | | | |

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ENCLOSURE 1

MATERIALS LICENSE

Amendment No. 11

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and the applicable parts of Title 10, Code of Federal Regulations, Chapter I, Parts 19, 20, 30, 31, 32, 33, 34, 35, 36, 39, 40, 51, 70, and 71, and in reliance on statements and representations heretofore made by the licensee, a licensee 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

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|---|---|--|
| Licensee | | |
| 1. U.S. Department of the Army | | 3. License Number SUB-1435 Amendment No.11 |
| 2. Rock Island Arsenal 1 Rock Island Arsenal Rock Island, IL 61299-5000 | | 4. Expiration Date Until terminated |
| | | 5. Docket or Reference Number 040-08836 |
| 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 |
| Uranium | Depleted uranium metal, alloy, and/or other forms | 80,000 kilograms |

9. Authorized Use: For possession only for decommissioning. License renewal applications dated August 29, 1994.

CONDITIONS

10. Authorized place of use:
- A. The licensed material shall be kept onsite, for the purpose of decommissioning, in the restricted area known as the "Depleted Uranium Impact Area." This area is located north of the firing line, at the Jefferson Proving Ground, in Madison, Indiana 47250.
 - B. This license has been transferred from the "The U.S. Department of the Army, U.S. Army Soldier and Biological Chemical Command, Aberdeen Proving Ground, Maryland 21010-5424" to "U.S. Department of the Army, 1 Rock Island Arsenal, Rock Island, Illinois 61299-5000."
11. A. Licensed materials shall be kept under the supervision of the Radiation Safety Officer, who shall have the following education, training, and experience:
- 1. Education: A bachelor's degree in the physical sciences, industrial hygiene, or engineering from an accredited college or university or an equivalent combination of training and relevant experience in radiological protection. Two years of relevant experience are generally considered equivalent to 1 year of academic study
 - 2. Health physics experience: At least 1 year of work experience in applied health physics, industrial hygiene, or similar work relevant to radiological hazards associated with site remediation. This experience should involve actually working with radiation detection and measurement equipment, not strictly administrative or "desk" work.

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License Number SUB-1435

Docket or Reference
Number 040-08836

Amendment No. 11

3. Specialized knowledge: A thorough knowledge of the proper application and use of all health physics equipment used for depleted uranium and its daughters, the chemical and analytical procedures used for radiological sampling and monitoring, methodologies used to calculate personnel exposure to depleted uranium and its daughters, and a thorough understanding of how the depleted uranium was used at the location and how the hazards are generated and controlled.
- B. The licensee, without prior NRC approval, may appoint a RSO provided a) the licensee maintain documentation demonstrating that the requirements of condition 11A are met and b) the NRC is informed of the name of the new RSO by letter to the Regional Administrator, Region III, within 30 days of the appointment.
12. 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 NRC's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulation.
- A. Letter and attachments for license renewal dated August 29, 1994,
- B. Letter dated May 25, 1995,
- C. Application with attachments dated September 29, 1995, and
- D. JPG Security Plan included with the letter dated December 10, 2003.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Dated: 12/31/03

/RA/

Daniel M. Gillen, Chief
Decommissioning Branch
Division of Waste Management
Office of Nuclear Material Safety
and Safeguards