

August 08, 2010

U.S. Nuclear Regulatory Commission, Region I  
Nuclear Materials Licensing Section  
475 Allendale Road  
King of Prussia, PA 19406-1415

Q-5

MS-16

SUB-1440

04008850

2010 SEP 1 11 33 AM

RECEIVED

Attention: Ms. Betsy Ullrich

As we discussed on the phone, in light of your deficiency letter in response to our Amendment Request, (Mail Control No. 573197) we have decided to resubmit our amendment, rather than to simply clarify it. This way, we hope to keep the paperwork history as clear as possible.

This letter is intended as a cover letter to the amendment, to specifically address the concerns you brought up:

Section 1:

I have simplified the structure of the letter to remove extraneous material that was covered in previous amendment letters. Reverences to NUREG 1556 were inadvertently left in from the form 313 guide as it was downloaded off the internet and should be ignored.

- a. Here is the list of people who should be on the license:

Randall N. Lancaster: Radiation Safety Officer  
Scott S. Kellogg: NDT Engineer  
David F. James: Operations Management  
Terry A. Barnes: Operations Management  
Frank J. Cornachia: Supervisor  
Leonard Gares: Product Engineer  
James Maybury: Product Engineer

Those who should no longer be listed are:

E. Kenneth Bohrer Jr.,  
Raymond E. Fisher,  
Floyd N. Johnson,  
John Nydam,  
Charles S. Weber

- b. Concerning the purpose of the use of the licensed material: No changes have been made. The disassembly of units was inadvertently left off the list of operations. Distribution was also mentioned in error. We do not perform commercial transactions with the material. The DU material is the property of

the US government, we perform operations with that material and return it to the US government when our operations are finished. There have been no changes to those operations.

- c. Concerning the amount of metal plated DU shielding we have at our facility: While we have shipped some of our DU shielding back to the manufacturer, some has been retained until such time as they are ready to receive it. Until such time, we'd rather keep the limit on our license at 300 kilograms. When we ship off the last of the material, we shall submit an amendment to take the limit to zero. Since the limit is not being updated, I will simply leave that part off of the resubmitted amendment.
- d. As above, our reference to NUREG 1556 was made inadvertently and should be ignored. With regard to our Radiation Safety Training Program, we have made an additional requirement that Radiation Workers will receive annual refresher training. However, no changes have been made to the material covered in the training.

Section 2:

We, the Licensee have undergone a name change. Previously we were listed as ATK Tactical Systems Company, LLC, Allegany Ballistics Laboratory. We are now ATK Missile Products Group, Allegany Ballistics Laboratory. This is a name change only, and does not reflect a change of ownership.

Section 3:

Scott Kellogg has the position of Deputy Radiation Safety Officer. While it is not necessary to list him on the license as such, he should be listed as an Authorized User, titled as an NDT Engineer.

I hope this answers your concerns adequately. Should you have any questions, or need additional information, please contact Randall N. Lancaster at 304-726-5327 or [randy.lancaster@atk.com](mailto:randy.lancaster@atk.com).

Thank you for your help,



Eric Hughes

Director of Mission Assurance, Safety & Environmental and Security

**NRC FORM 313**  
(3-2009)  
10 CFR 30, 32, 33,  
34, 35, 36, 39, and 40

**U.S. NUCLEAR REGULATORY COMMISSION**

**APPROVED BY OMB: NO. 3150-0120**

**EXPIRES: 3/31/2012**

**APPLICATION FOR MATERIALS LICENSE**

Estimated burden per response to comply with this mandatory collection request: 4.3 hours. Submittal of the application is necessary to determine that the applicant is qualified and that adequate procedures exist to protect the public health and safety. Send comments regarding burden estimate to the Records and FOIA/Privacy Services Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to [infocollects.resource@nrc.gov](mailto:infocollects.resource@nrc.gov), and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0120), 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.

**INSTRUCTIONS: SEE THE APPROPRIATE LICENSE APPLICATION GUIDE FOR DETAILED INSTRUCTIONS FOR COMPLETING APPLICATION. SEND TWO COPIES OF THE ENTIRE COMPLETED APPLICATION TO THE NRC OFFICE SPECIFIED BELOW.**

**APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:**

OFFICE OF FEDERAL & STATE MATERIALS AND ENVIRONMENTAL MANAGEMENT PROGRAMS  
DIVISION OF MATERIALS SAFETY AND STATE AGREEMENTS  
U.S. NUCLEAR REGULATORY COMMISSION  
WASHINGTON, DC 20555-0001

**ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS:**

**IF YOU ARE LOCATED IN:**

ALABAMA, CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, FLORIDA, GEORGIA, KENTUCKY, MAINE, MARYLAND, MASSACHUSETTS, NEW HAMPSHIRE, NEW JERSEY, NEW YORK, NORTH CAROLINA, PENNSYLVANIA, PUERTO RICO, RHODE ISLAND, SOUTH CAROLINA, TENNESSEE, VERMONT, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA, SEND APPLICATIONS TO:

LICENSING ASSISTANCE TEAM  
DIVISION OF NUCLEAR MATERIALS SAFETY  
U.S. NUCLEAR REGULATORY COMMISSION, REGION I  
475 ALLENDALE ROAD  
KING OF PRUSSIA, PA 19406-1415

041008850

**IF YOU ARE LOCATED IN:**

ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCONSIN, SEND APPLICATIONS TO:

MATERIALS LICENSING BRANCH  
U.S. NUCLEAR REGULATORY COMMISSION, REGION III  
2443 WARRENVILLE ROAD, SUITE 210  
LISLE, IL 60532-4352

ALASKA, ARIZONA, ARKANSAS, CALIFORNIA, COLORADO, HAWAII, IDAHO, KANSAS, LOUISIANA, MISSISSIPPI, MONTANA, NEBRASKA, NEVADA, NEW MEXICO, NORTH DAKOTA, OKLAHOMA, OREGON, PACIFIC TRUST TERRITORIES, SOUTH DAKOTA, TEXAS, UTAH, WASHINGTON, OR WYOMING, SEND APPLICATIONS TO:

NUCLEAR MATERIALS LICENSING BRANCH  
U.S. NUCLEAR REGULATORY COMMISSION, REGION IV  
612 E. LAMAR BOULEVARD, SUITE 400  
ARLINGTON, TX 76011-4125

**PERSONS LOCATED IN AGREEMENT STATES SEND APPLICATIONS TO THE U.S. NUCLEAR REGULATORY COMMISSION ONLY IF THEY WISH TO POSSESS AND USE LICENSED MATERIAL IN STATES SUBJECT TO U.S. NUCLEAR REGULATORY COMMISSION JURISDICTIONS.**

1. THIS IS AN APPLICATION FOR (Check appropriate item)

- A. NEW LICENSE
- B. AMENDMENT TO LICENSE NUMBER SUB 1440
- C. RENEWAL OF LICENSE NUMBER \_\_\_\_\_

2. NAME AND MAILING ADDRESS OF APPLICANT (Include ZIP code)

**ATK Missile Products Group  
Allegany Ballistics Laboratory (ABL)  
210 State Route 956  
Rocket Center, WV 26726**

3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

**Randall N. Lancaster**

TELEPHONE NUMBER

**3047265327**

SUBMIT ITEMS 5 THROUGH 11 ON 8-1/2 X 11" PAPER. THE TYPE AND SCOPE OF INFORMATION TO BE PROVIDED IS DESCRIBED IN THE LICENSE APPLICATION GUIDE.

5. RADIOACTIVE MATERIAL

a. Element and mass number; b. chemical and/or physical form; and c. maximum amount which will be possessed at any one time.

6. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED.

7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING EXPERIENCE.

8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS.

9. FACILITIES AND EQUIPMENT.

10. RADIATION SAFETY PROGRAM.

11. WASTE MANAGEMENT.

12. LICENSE FEES (See 10 CFR 170 and Section 170.31)

FEE CATEGORY	AMOUNT ENCLOSED	\$

13. CERTIFICATION. (Must be completed by applicant) THE APPLICANT UNDERSTANDS THAT ALL STATEMENTS AND REPRESENTATIONS MADE IN THIS APPLICATION ARE BINDING UPON THE APPLICANT.

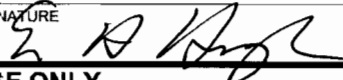
THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATION ON BEHALF OF THE APPLICANT, NAMED IN ITEM 2, CERTIFY THAT THIS APPLICATION IS PREPARED IN CONFORMITY WITH TITLE 10, CODE OF FEDERAL REGULATIONS, PARTS 30, 32, 33, 34, 35, 36, 39, AND 40, AND THAT ALL INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF.

WARNING: 18 U.S.C. SECTION 1001 ACT OF JUNE 25, 1948 62 STAT. 749 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.

CERTIFYING OFFICER -- TYPED/PRINTED NAME AND TITLE

**Eric Hughes, Director of Mission Assurance, Safety & Env**

SIGNATURE



DATE

07 Sept 10

**FOR NRC USE ONLY**

TYPE OF FEE	FEE LOG	FEE CATEGORY	AMOUNT RECEIVED	CHECK NUMBER	COMMENTS
			\$		
APPROVED BY				DATE	

August 08, 2010

U.S. Nuclear Regulatory Commission, Region I  
Nuclear Materials Licensing Section  
475 Allendale Road  
King of Prussia, PA 19406-1415

Attention: Ms. Betsy Ullrich

Request for Amendment to Materials License SUB-1440 Docket No. 040-08850

This letter is a request to amend the subject materials license and includes Form 313. The following modifications should be made to the license as a result of the following changes: **company name, personnel changes, additional training introduced** and a **program name change**.

**1. Company Name Change:**

The company was previously listed as the licensee as ATK Tactical Systems Company, LLC, Allegany Ballistics Laboratory. The division has undergone a name change to ATK Missile Products Group, Allegany Ballistics Laboratory. This is a name change only, and does not reflect a change of ownership.

**2. Personnel Changes**

The Radiation Safety Officer was **E. Kenneth Bohrer, Jr.** (Item 12 on SUB-1440 Docket No. 040-08850), will change to **Randall N. Lancaster**.

Randy Lancaster

- AA degree from Allegany Community College in Business
- Four year degree from Frostburg State University in Business with minors in Accounting and Economics
- Radiographic Inspection Supervision for 32 years
- Presently Radiographic Inspection Area Manager – since 1993
- Originally received radiation safety training in 1986
- Received Fundamentals of Radiation Safety from The Radiation Safety Academy – 05/04/09
- Received 40 hours Radiation Safety Officer training from The Radiation Safety Academy – 05/22/09
- Certified in house Level 3 Radiographer since 1981

The Position of Deputy Radiation Safety Officer has been added, he should be listed on the license as NDT Engineer: **Scott S. Kellogg**

Scott S. Kellogg

Mr. Kellogg is a Wesleyan University graduate with 1 years graduate training in Medical Physics from the University of Texas Health Science Center at San Antonio. Additional Radiation Safety Training was obtained through the Radiation Safety Academy where he completed the 40 hour RSO program. He has been employed by ATK at Allegany Ballistics Laboratory (ABL) for 1½ years in the NDT group. Mr. Kellogg will act as the Deputy Radiation Safety Officer for ABL as well as the Chairman of the Radiation Safety Committee. He conducts the radiation safety training at the facility.

**3. Personnel Changes**

Item 11 of SUB-1440 lists the users and supervisors of the licensed material. The list should be updated to include the following people:

Randall N. Lancaster: Radiation Safety Officer  
Scott S. Kellogg: NDT Engineer  
David F. James: Operations Management  
Terry A. Barnes: Operations Management  
Frank J. Cornachia: Supervisor  
Leonard Gares: Product Engineer  
James Maybury: Product Engineer

The qualifications of the newly listed follow:

Frank J Cornachia

Mr. Cornachia attended Allegany Community College with a 1yr Business/Supervision Certificate. Mr. Cornachia received in-house radiation safety training in 4/09. He has been employed by ATK at Allegany Ballistics Laboratory (ABL) for 1 year as an A3 Composite Supervisor. Mr. Cornachia will supervise the daily activities in the DU/projectile assembly area.

James Joshua Maybury

- BS Mechanical Engineering from West Virginia University
- MS Mechanical Engineering from West Virginia University
- 4 years Research Associate for Carbon Products Research Group of West Virginia University
- 1.5 years Material Science Engineer at Performance Friction Brakes
- Product Engineer at ATK, Information Systems Security Officer for M829E4
- Received in-house radiation safety training January 4<sup>th</sup> 2010
- Trained in classified material security
- Experienced in the following:
- XRD, SEM analysis, polarized light analysis, TGA, and DM

4. The list should no longer include the following people:

E. Kenneth Bohrer Jr.,  
Raymond E. Fisher,  
Floyd N. Johnson,  
John Nydam,

Charles S. Weber

**5. Additional Training Introduced**

Our Radiation Safety Training Program is being updated to include a requirement for an annual refresher course for radiation workers. No change is being made to the material covered.

**6. Program Name Change**

Item 17 B. of SUB-1440 lists the amendment letters. Previous correspondence dated July, 2004 identifies the program using the DU as M829 **A3**, that program is now in the process of transitioning into a preproduction mode for an updated design: M829 **E4**. Both will run concurrently until M829 A3 is phased out of production. This will not mean that the amount of DU located at the facility will be increased and no license amendment is required for the amount of DU.

As required in Regulatory Guide 10.4 section 3. Contents of an Application the sections of Form 313 (sections 5-11) that are changing as a result of this requested amendment follow according to the section numbers of Form 313.

**Form 313 Section 5.** There is no change of RAM used.

**Form 313 Section 6.** There is no change of purpose for which the licensed material is used.

**Form 313 Section 7.** The Radiation Safety Officer is Randall N. Lancaster phone 304-726-5327 and [randy.lancaster@atk.com](mailto:randy.lancaster@atk.com). See above for the list of Authorized Users.

**Form 313 Section 8** Our Radiation Safety Training program is being updated to include a requirement for an annual refresher course for radiation workers. No change is being made to the material covered.

**Form 313 Section 9** There is no change in the Facilities and Equipment used.

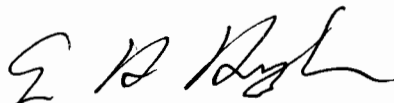
**Form 313 Section 10** There is no change in the Radiation Safety Program.

**Form 313 Section 11** There is no change in Waste Management.

**Form 313 Section 12** There is no fee enclosed, \$18,700 was submitted 5/5/10.

Should you have any questions, or need additional information, please contact Randall N. Lancaster at 304-726-5327 or [randy.lancaster@atk.com](mailto:randy.lancaster@atk.com).

Sincerely,



Eric Hughes  
Director of Mission Assurance, Safety & Environmental and Security

# Certificate of Training

Awarded To

***Randy Lancaster***

Recognizing completion of 40 hours of specialized instruction in

## Radiation Safety Officer

May 22, 2009

Presented By

***Radiation Safety Academy***  
A Division of Dade Moller & Associates

438 N. Frederick Avenue, Suite 220, Gettysburg, MD 20877  
www.radiationsafetyacademy.com • 301.990.0105

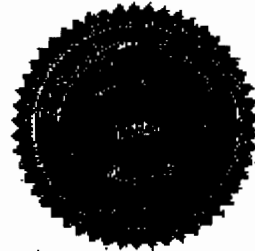
AAEP has awarded this course 32 Continuing Education Credits, 2007-00-031

ABIH has awarded this course 4.5 CE Points, CE Approval # CE 211

ARRT and NRP have awarded 46.75 CE's, 02/194 02/227

*Ray Johnson*

Ray Johnson, MS, PE, FHPS, CHP  
Vice President, Training Programs



# Certificate of Training

Awarded To

*Scott Kellogg*

Recognizing completion of 40 hours of specialized instruction in

## Radiation Safety Officer

May 22, 2009

Presented By

***Radiation Safety Academy***

A Division of Dade Mosier & Associates

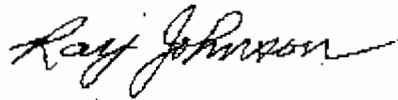
138 N. Federal Avenue, Suite 220, Gainesville, FL 32607

[www.radiationacademy.com](http://www.radiationacademy.com) - 351-990-6006

AAHP has awarded this course 32 Continuing Educator Credits, 2007-CC-031

ABIR has awarded this course 4.5 CEU Points, CE Approval # 05 211

ARRT and ENMT have awarded 16.75 CEUs, D27194-027227



Ray Johnson, MS, PE, FHPS, CIIP  
Vice President, Training Programs

