

US Nuclear Regulatory Commission
Attn: Michael Perkins
475 Allendale Rd
King of Prussia, PA 19406-1415

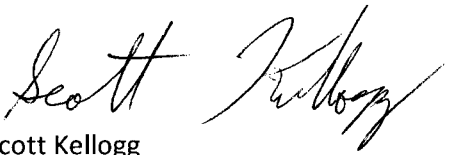
Br. 2

Dear Mr. Perkins,

04008850

Please find the enclosed License Amendment for our NRC License # SUB-1440 covering the Allegany Ballistics Lab in Rocket Center, WV.

Thank you,



Scott Kellogg
NDT/Appraisal Engineer / Deputy Radiation Safety Officer
ATK Tactical Systems Division
210 State Route 956
Rocket Center, WV 26726
(301) 697-0893 cell
Scott.Kellogg@ATK.com

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NMSS/RGN1 MATERIALS-002

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|---|--|--------------|-----------------|-----------------|--------------|----------|--|--|--|----|--|--|------------------------------|
| 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 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 , 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. | | | | | | | | | | | | |
| APPLICATION FOR MATERIALS LICENSE | | | | | | | | | | | | | |
| 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 | 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 | | | | | | | | | | | | |
| 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 | 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) <input type="checkbox"/> A. NEW LICENSE <input checked="" type="checkbox"/> B. AMENDMENT TO LICENSE NUMBER <u>SUB-1440</u> <input type="checkbox"/> C. RENEWAL OF LICENSE NUMBER _____ | 2. NAME AND MAILING ADDRESS OF APPLICANT (Include ZIP code) Alliant Techsystems Allegany Ballistics Laboratory (ABL) 210 State Route 956 Rocket Center, WV 26726 | | | | | | | | | | | | |
| 3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED Allegany Ballistics Laboratory (ABL) 210 State Route 956 Rocket Center, WV 26726 | 4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION Randall N. Lancaster TELEPHONE NUMBER <div style="text-align: right;">3047265327</div> | | | | | | | | | | | | |
| 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) <table style="width: 100%; border: none;"> <tr> <td style="width: 70%;">FEE CATEGORY</td> <td style="width: 10%;">AMOUNT ENCLOSED</td> <td style="width: 20%;">\$</td> </tr> </table> | FEE CATEGORY | AMOUNT ENCLOSED | \$ | | | | | | | | | |
| 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 10 JUL 10 | | | | | | | | | | | | |
| FOR NRC USE ONLY | | | | | | | | | | | | | |
| <table style="width: 100%; border: none;"> <tr> <td style="width: 15%;">TYPE OF FEE</td> <td style="width: 15%;">FEE LOG</td> <td style="width: 15%;">FEE CATEGORY</td> <td style="width: 15%;">AMOUNT RECEIVED</td> <td style="width: 15%;">CHECK NUMBER</td> <td style="width: 30%;">COMMENTS</td> </tr> <tr> <td colspan="3"></td> <td style="text-align: center;">\$</td> <td></td> <td></td> </tr> </table> | TYPE OF FEE | FEE LOG | FEE CATEGORY | AMOUNT RECEIVED | CHECK NUMBER | COMMENTS | | | | \$ | | | APPROVED BY _____ DATE _____ |
| TYPE OF FEE | FEE LOG | FEE CATEGORY | AMOUNT RECEIVED | CHECK NUMBER | COMMENTS | | | | | | | | |
| | | | \$ | | | | | | | | | | |



ATK Tactical Systems Company, LLC Tel 304 726-5000
210 State Route 956
Rocket Center, WV 26726

July 15, 2010

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

Attention: Ms. Diane Screnci

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, and a program name change.

1. 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 will be added, and listed as **Scott S. Kellogg**



ATK Tactical Systems Company, LLC Tel 304 726-5000
210 State Route 956
Rocket Center, WV 26726

Scott S. Kellogg

- BA Degree from Wesleyan University in Physics
 - 1 Year Graduate training in Medical Physics from the University of Texas Health Science Center at San Antonio
 - Received 40 hours Radiation Safety Officer training from The Radiation Safety Academy – 05/22/09
 - Chairman of the ABL Radiation Safety Committee.
2. Item 11 of SUB-1440 listed the users and supervisors of the licensed material. The licensed material was used by, or under the supervision of, Terry A. Barnes, David F. James, Floyd N. Johnson, Randall N. Lancaster, Charles S. Weber, Raymond E. Fisher.
3. The license should be amended to list: Randall N. Lancaster, Scott S. Kellogg, David F. James, Terry A. Barnes, Frank J. Cornachia, and James Maybury.

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 a 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 4th 2010
- Trained in classified material security
- Experienced in the following:
- XRD, SEM analysis, polarized light analysis, TGA, and DMA

4. 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.
5. Three of the Varian X-ray generators, in buildings 180 and 360, utilizing DU shielding have been returned to the manufacturer, leaving us with one X-ray tube with DU shielding, located in building 180. This is no longer in use and it is our intention to return it to the manufacturer as well.

These returned units include:

- Varian Linatron L200A: Serial Number 8
- Varian Linatron L400: Serial Number 48
- Varian Linatron L1000A Serial Number 4

The remaining unit is:

- Varian Linatron L400. Serial Number 38

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

Form 313 Section 8 There is no change in the Training program.

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.

Sincerely,

A handwritten signature in black ink, appearing to read "E. H. Hughes", written in a cursive style.

Eric Hughes
Director of Mission Assurance, Safety & Environment

Suggested Format for Providing Information Requested in Items 5 through 11 of NRC Form 313

[[Prev](#) | [Next](#) | [Top of file](#)]

The table below is designed to help applicants develop their applications. In some instances it is acceptable to simply indicate, by checking the box in the third column (Yes), that applicant commits to adopting the model procedures that are referenced. If the third column contains an asterisk (*), the licensee is expected to describe its program or submit its procedures for the particular item. In this instance, the applicant is requested to check the box in the fourth column indicating that the described program and/or procedures are attached to the application (NRC Form 313). If the third column contains an "N/A," the licensee is not required to describe or submit its programs and/or procedures during the licensing phase. However, these program areas may be reviewed during an inspection.

The table below may also be used as a License Reviewer Checklist for applications for ARDL licenses.

| Item No. | Suggested Response | Yes | Description Attached |
|----------|--|-----|----------------------|
| 5. | RADIOACTIVE MATERIAL | | |
| | Unsealed and/or Sealed Sources | | |
| | • For unsealed materials: | * | |
| -- | Provide element name with mass number, chemical and/or physical form, and maximum requested possession limit. | | [✓] |
| -- | For potentially volatile materials (e.g., I-125, I-131, H-3), specify whether the material will be free (volatile) or bound (non-volatile) and the requested possession limit for each form. | | [] |
| | • For sealed materials: | | |
| -- | Identify each Radionuclide (element name and mass number) that will be used in each source. | * | [NA] |
| -- | Provide the manufacturer's (distributor's) name and model number for each sealed source and device requested. | | |
| -- | Confirm that each sealed source, device, and source/device combination is registered as an approved sealed source or device by NRC or an Agreement State. | | |
| -- | Confirm that the activity per source and maximum activity in each device will not exceed the maximum activity listed on the approved certificate of registration issued by NRC or by an Agreement State. | | |
| | • Provide an Emergency Plan (if required). | | |
| | Financial Assurance and Recordkeeping for Decommissioning | | |
| | No response is needed from most applicants. If F/A or a DFP is required, submit the required documents as described in Regulatory Guide 3.66. | N/A | [] |
| 6. | PURPOSE FOR WHICH LICENSED MATERIAL WILL BE USED | | |
| | List the specific use or purpose of each radioisotope. | * | [✓] |
| 7. | INDIVIDUALS RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING AND EXPERIENCE | | |
| | RSO | | |
| | Provide the name of the proposed RSO and information demonstrating that the proposed RSO is qualified by training and experience. | * | [✓] |

| | | | |
|-----|--|-----|-----|
| | AUs | | |
| | Provide the name of each proposed AU, with the types and quantities of licensed material to be used. Also provide information demonstrating that each proposed AU is qualified by training and experience to use the requested licensed materials. | * | [✓] |
| 8. | TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS (Occupationally Exposed Individuals and Ancillary Personnel) | | |
| | Submit a description of the radiation safety training program, including topics covered, groups of workers, assessment of training, qualifications of instructors, and the method and frequency of training. | * | [✓] |
| 9. | FACILITIES AND EQUIPMENT | | |
| | Describe the facilities and equipment to be made available at each location where radioactive material will be used. Include a description of the area(s) assigned for the receipt, storage, preparation and measurement of radioactive materials. Submit a diagram showing the locations of shielding, the proximity of radiation sources to unrestricted areas, and other items related to radiation safety. When applicable to facilities where radioactive materials may become airborne, the diagrams should contain schematic descriptions of the ventilation systems, with pertinent airflow rates, pressures, filtration equipment, and monitoring systems. Diagrams should be drawn to a specified scale, or dimensions should be indicated. For facilities where it is anticipated that more than one laboratory or room may be used, a generic laboratory or room diagram may be submitted. | * | [✓] |
| 10. | RADIATION SAFETY PROGRAM | | |
| | Audit Program | | |
| | The applicant is not required to, and should not, submit its audit program to the NRC for review during the licensing phase. | N/A | N/A |
| | Radiation Monitoring Instruments | * | |
| | Describe the instrumentation that will be used to perform required surveys and state that: "We will use instruments that meet the radiation monitoring instrument specifications published in Appendix M to NUREG - 1556, Vol. 7, 'Program-Specific Guidance About Academic, Research and Development, and Other Licenses of Limited Scope,' dated December 1999. We reserve the right to upgrade our survey instruments as necessary." | | [✓] |
| | OR | | |
| | Describe the instrumentation that will be used to perform required surveys and state that: "We will use instruments that meet the radiation monitoring instrument specifications published in Appendix M to NUREG - 1556, Vol. 7, 'Program-Specific Guidance About Academic, Research and Development, and Other Licenses of Limited Scope,' dated December 1999. Additionally, we will implement the model survey meter calibration program published in Appendix M to NUREG - 1556, Vol. 7, 'Program-Specific Guidance About Academic, Research and Development, and Other Licenses of Limited Scope,' dated December 1999. We reserve the right to upgrade our survey instruments as necessary." | | [] |
| | Material Receipt and Accountability | | |
| | Develop and maintain procedures for ensuring material | | |

| | | | |
|--|---|-----|-----|
| | accountability, | | |
| | AND | | |
| | State that: "Physical inventories will be conducted at intervals not to exceed 6 months, to account for all sealed sources and devices received and possessed under the license." | * | [✓] |
| | Occupational Dose | | |
| | State that: "we have done a prospective evaluation and determined that unmonitored individuals are not likely to receive, in one year, a radiation dose in excess of 10% of the allowable limits in 10 CFR Part 20," or "we will monitor individuals in accordance with the criteria in the section entitled 'Radiation Safety Program - Occupational Dose' in NUREG - 1556, Vol. 7, 'Consolidated Guidance about Materials Licenses: Program-Specific Guidance about Academic, Research and Development and Other Licenses of Limited Scope,'" dated December 1999." | * | [✓] |
| | Public Dose | | |
| | No response is required from the applicant in a license application. | N/A | N/A |
| | Safe Use of Radionuclides and Emergency Procedures | | |
| | Develop and maintain procedures for safe use and emergencies. State that such procedures have been developed. | * | [✓] |
| | If an emergency response plan is needed, submit it as a separate part of the application. | [] | [] |
| | Survey | * | |
| | State that: "We will survey our facility and maintain contamination levels in accordance with the survey frequencies and contamination levels published in Appendix Q to NUREG - 1556, Vol. 7, 'Program-Specific Guidance About Academic, Research and Development, and Other Licenses of Limited Scope,' dated December 1999. Leak tests will be performed at the intervals approved by NRC or an Agreement State and specified in the SSD Registration Certificate. Leak tests will be performed by an organization authorized by NRC or an Agreement State to provide leak testing services to other licensees or using a leak test kit supplied by an organization authorized by NRC or an Agreement State to provide leak test kits to other licensees and according to the sealed source or plated foil manufacturer's (distributor's) and kit supplier's instructions." | [] | [✓] |
| | OR | | |
| | State that: "We will survey our facility and maintain contamination levels in accordance with the survey frequencies and contamination levels published in Appendix Q to NUREG - 1556, Vol. 7, 'Program-Specific Guidance About Academic, Research and Development, and Other Licenses of Limited Scope,' dated December 1999. Leak tests will be performed at the intervals approved by NRC or an Agreement State and specified in the SSD Registration Certificate. Leak tests will be performed by an organization authorized by NRC or an Agreement State to provide leak testing services to other licensees or using a leak test kit supplied by an organization authorized by NRC or an Agreement State to provide leak test kits to other licensees and according to the sealed source or plated foil manufacturer's (distributor's) and kit supplier's instructions. As an alternative, we will implement the model leak test program published in Appendix R to NUREG-1556, Vol. 7, "Consolidated Guidance about Materials Licenses: 'Program-Specific Guidance | [] | |

| | | | |
|-----|--|-----|-----|
| | About Academic, Research and Development, and Other Licensees of Limited Scope,' dated December 1999." | | |
| | Transportation | | |
| | No response is needed from applicants during the licensing phase. | N/A | N/A |
| | Minimization of Contamination | | |
| | The applicant does not need to provide a response to this item under the following condition. NRC will consider that the above criteria have been met if the applicant's responses meet the criteria in the following sections: "Radioactive Material - Unsealed and/or Sealed Sources," "Facilities and Equipment," "Radiation Safety Program - Safe use of Radioisotopes and Emergency Procedures," "Radiation Safety Program - Surveys," and "Radiation Safety Program - Waste Management." | N/A | N/A |
| 11. | WASTE MANAGEMENT | * | |
| | State that: "We will use the model waste procedures published in Appendix T to NUREG - 1556, Vol. 7, 'Program-Specific Guidance About Academic, Research and Development, and Other Licenses of Limited Scope,' dated December 1999." | [] | [✓] |
| | OR | | |
| | "We will use the (<i>specify either (1) Decay-In-Storage, (2) Disposal of Liquids Into Sanitary Sewerage</i>) model waste procedures that are published in Appendix T to NUREG - 1556, Vol. 7, 'Program-Specific Guidance About Academic, Research and Development, and Other Licenses of Limited Scope,' dated December 1999." | | |

Attachments

Form 313 Section 5 (RAM)

There is no change only depleted uranium (DU) is involved.

DU consists predominantly of the isotopes ${}_{92}\text{U}^{238}$, ${}_{92}\text{U}^{235}$ and ${}_{92}\text{U}^{234}$.

Form 313 Section 6 (Use)

- A. For possession, storage and assembly into military munitions, packaging and distribution to authorized recipients
- B. Shielding in x-ray equipment
 - a. Note: All but one of our x-ray generators that included DU for columnation were decommissioned and removed from the facility by Varian.

Form 313 Section 7 (RSO & AU)

The Radiation Safety Officer will be Randall N. Lancaster rather than E. Kenneth Bohrer, Jr. The deputy RSO will be Scott S. Kellogg. Both completed RSO training of 40 hours in May 2009 conducted by the Radiation Safety Academy in Gaithersburg, MD. The certificates are attached.

The following names should be removed from the license: John Nydam and Floyd Johnson, Terry Barnes and Dave James.

The license should continue to list the following Authorized Users, all of whom have attended our in-house radiation safety training performed by the RSO.

Leonard W. Gares.

In addition the following names should be added to the AU list:

Frank J Cornachia

Mr. Cornachia attended Allegany Community College with a 1 year Business/Supervision Certificate. Mr. Cornachia received in-house radiation safety training in April 2009. He has been employed by ATK at Allegany Ballistics Laboratory (ABL) for 1 year as a A3 Composites Supervisor. Mr. Cornachia will supervise the daily activities in the DU/projectile assembly area.

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.

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
1. The name of the licensee has changed from ATK Tactical Systems Company, LLC to Alliant Techsystems – Allegany Ballistics Laboratory

Form 313 Section 8 (Training)

There is no change in the Training program. It continues to include:

Purpose of Radiation Training

Fundamentals of Radiation Properties

Biological Effects

Protective Measures

Radiation Measurements

NRC Regulations, including 10 CFR 19, 20, 40 and 71

Depleted Uranium (DU) operations

Scope of license

Basic operating rules

Control of DU

Potential hazards

Personnel requirements

Personal protection

Contamination and waste control

The RSO trains all employees working in the DU area. This includes hands-on workers as well as Quality Assurance employees. The class typically is 2½ hours in duration, plus review training in the operating procedures occurs annually. Employees leaving the radiation area to work elsewhere in the plant are often retrained upon returning. A record of training is maintained. Frequent visits to the restricted area by the RSO assure employees questions are answered and topical refresher training occurs.

Form 313 Section 9 (Facilities and Equipment)

Please add Building 532 for storage of completed parts. Building 532 is a earth covered concrete bunker 8-10 inch thick with comparable thickness steel doors. It is in compliance with DOD Closed Area Specs. It is in a controlled access area, 0.8 of a mile from the nearest access gate. It is checked every four hours by armed security personnel. The Floor Plan is attached below.

Form 313 Section 10 (Radiation Safety Program)

Instrumentation

Inventory Control

Physical inventory control is maintained, and confirmed every 6 months. This facility is enclosed by fencing, is continuously monitored by a guard force and all RAM shipments require the approval of the RSO.

Occupational Dose

As the RSO, I can state, "we have done a prospective evaluation and determined that unmonitored individuals are not likely to receive, in one year, a radiation dose in excess of 10% of the allowable limits in 10 CFR Part 20". In fact, even those who are monitored (hands-on employees) do not receive 10% of the allowable limits.

Safe Use of Radionuclides and Emergency Procedures

ATK developed and maintains procedures for safe use and emergencies. This is documented in the Radiation Safety Manual.

Surveys

ATK conducts surveys of the facilities and maintains contamination levels in accordance with the survey frequencies and contamination levels published in Appendix Q to NUREG - 1556, Vol. 7, 'Program-Specific Guidance About Academic, Research and Development, and Other Licenses of Limited Scope,' dated December 1999. Leak tests are unnecessary and not performed due to the physical nature of the RAM on-site.

Form 313 Section 11 Waste Management

"We will use the model waste procedures published in Appendix T to NUREG - 1556, Vol. 7, 'Program-Specific Guidance About Academic, Research and Development, and Other Licenses of Limited Scope,' dated December 1999."

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 Moeller & Associates

428 N. Frederick Avenue, Suite 220, Gaithersburg, MD 20877

www.radiationsafetyacademy.com • 301.996.6306

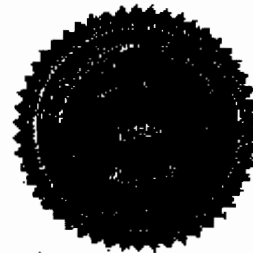
AAEP has awarded this course 32 Continuing Education Credits, 2007-00-031

ABH has awarded this course 4.5 CE Points, CE Approval # 05-211

ARRT and SNM have awarded 40 CE's, 02/134 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

135 N. Kodelisk Avenue, Suite 220, Gettysburg, MD 20877

www.radiationsafetyacademy.com - 301-990-6000

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

ABH has awarded this course 4.5 CE Points, CM Approval # 05 211

ARRT and ENMT have awarded 16.75 CEH's, 027194-027227

Ray Johnson

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



This is to acknowledge the receipt of your letter application dated

7/15/2010, and to inform you that the initial processing which includes an administrative review has been performed.

☒ Amendment (SUB-1440) (04008850)
There were no administrative omissions. 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** 573197.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.