

NRC FORM 313

(4-2008)

10 CFR 30, 32, 33,  
34, 35, 36, 39, and 40

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED BY OMB: NO. 3150-0120

EXPIRES: 10/31/2008

## APPLICATION FOR MATERIALS LICENSE

Estimated burden per response to comply with this mandatory collection request: 4 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@nrc.gov](mailto:infocollects@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:

DIVISION OF INDUSTRIAL AND MEDICAL NUCLEAR SAFETY  
OFFICE OF NUCLEAR MATERIALS SAFETY AND SAFEGUARDS  
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

## 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  
☒ C. RENEWAL OF LICENSE NUMBER

03034878  
39-32137-01

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

Asten Johnson  
4399 Corporate Rd  
Charleston, SC, 29405

## 3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED

Please see attachment  
"item 3"

## 4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

Jason Barnett

## TELEPHONE NUMBER

843-202-6234

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 *Need assistance?* AMOUNT ENCLOSURE \$ ?

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

Jason Barnett Diagnostic Services Humboldt, KS

## SIGNATURE

[Signature]

## DATE

1/13/09

## FOR NRC USE ONLY

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

REC'D IN LAT

JAN 21 2009

143217/143218

FROM MATERIALS



## AstenJohnson US NRC License Renewal

### Item 3 – Address where licensed material will be used or possessed:

1. 8703 Walton Farms Ct, Richmond, VA
  2. 4399 Corporate Rd, Charleston, SC 29405
  3. 4788 Dorchester Ave, Unit A65, Charleston, SC 29405
  4. Temporary job sites of the licensee anywhere in the United States where the US Nuclear Regulatory Commission maintains jurisdiction for regulating the use of licensed material.
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### 5. Radioactive Material

- a. Americium-241
- b. Sealed Sources (Amersham Model AMC.P1, Isotope Products Model GFS, BEBIG Model AM1.P08, or Amersham Model AMCP6)
- c. No single source to exceed 150 millicuries. Total activity 450 millicuries.

### 6. Purpose

- a. To be used in NDC Systems Model 104P/104PD gauge for thickness measurements.

### 7. Individuals responsible for radiation safety program and their training experience

- a. The Radiation Safety Officer is Jason Barnett
  - i. Attended portable gauge manufacturer's course for users (certificate of training attached)
  - ii. Attended RSO Training administered by Engelhardt & Associates Inc. (certificate of training attached)
- b. Licensed material shall be used by, or under the supervision and in the physical presence of, individuals who have completed the NDC Systems training program, or individuals who have been trained as specified in letter dated February 11, 1987, and have been designated by the licensee's Radiation Protection Officer. The licensee shall maintain records of the individuals who have been designated as authorized users.

### 8. Training for individuals entering restricted areas

- a. Before using licensed materials, authorized users will have successfully completed one of the training courses described in criteria in the section entitled 'Training for Individuals Working In or Frequenting Restricted Areas' in NUREG-1556, Vol.1 "Consolidated Guidance about Materials Licenses: Program-Specific Guidance about Portable Gauge Licenses," dated May 1997.

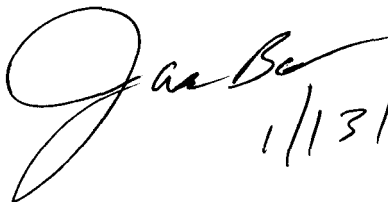
## **9. Facilities and Equipment**

- a. "No info needs to be submitted in response to this item"

## **10. Radiation Safety Program**

- a. We will have access to and use a radiation survey meter that meets the criteria in the section entitled 'Radiation Safety Program – Instruments' in NUREG-1556, Vol.1, 'Consolidated Guidance about Materials Licenses: Program-Specific Guidance about Portable Gauge Licenses,' dated May 1997 in the event of an incident. The radiation survey meter resides with the RSO at the Corporate office.
- b. The licensee shall conduct a physical inventory every six (6) months or at other intervals specified by the NRC to account for all sealed sources received and possessed under the license. The records of the inventories shall be maintained for two (2) years from the date of the inventory for inspection by the Commission, and shall include the quantities and kinds of byproduct material, manufacturer's name and model numbers, location of sealed sources and the date of the inventory.
- c. We will maintain, for inspection by NRC, documentation demonstrating that unmonitored individuals are not likely to receive, in one year, a radiation dose in excess of 10 percent of the allowable limits in 10 CFR Part 20.
- d. Operating and emergency procedures have been developed, implemented, and will be maintained to meet the criteria in the section entitled "Radiation Safety Program – Operating and Emergency Procedures" in NUREG-1556 Vol. 1 'Consolidated Guidance about Materials Licenses: Program Specific Guidance about Portable Gauge Licenses,' dated May 1997."
- e. Leak tests
  1. The sources shall be tested for leakage and/or contamination at intervals not to exceed 6 months. Any source received from another person which is not accompanied by a certificate indicating that a test was performed within 6 months before the transfer shall not be put into use until tested
  2. Notwithstanding the periodic leak test required by this condition, any licensed sealed source is exempt from such leak tests when the source contains 100 microcuries or less of beta and/or gamma emitting material or 10 microcuries or less of alpha emitting material.
- ii. Any source in storage and not being used need not be tested. When the source is removed from storage for use or transfer to another person, it shall be tested before use or transfer
- iii. The leak test shall be capable of detecting the presence of 0.005 microcurie (185 becquerels) of radioactive material on the test sample. If the test reveals the presence of 0.005 microcurie (185 becquerels) or more of removable contamination, a report shall be filed with the US Nuclear Regulatory Commission in accordance with 10 CFR 30.50©(2), and the source shall be removed immediately from service and decontaminated, repaired, or disposed of in accordance with Commission regulations.

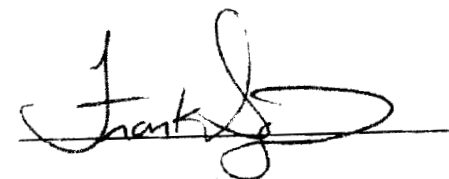
- iv. Tests for leakage and/or contamination shall be performed by persons specifically licensed by the Commission or an Agreement State to perform such services. In addition, the licensee is authorized to collect leak test samples but not perform analysis; analysis of leak test samples must be performed by persons specifically licensed by the commission or an agreement state to perform such services.
- f. Sealed sources containing licensed material shall not be opened or removed from the gauges by the licensee.

  
1/13/08

Jason Barnett  
Diagnostic Services Team Leader, RSO

## CERTIFICATE OF TRAINING

*This is to certify that Jason Barnett of Asten Johnson has successfully completed a course in the use, maintenance and repair of the NDC measurement sensors - Models 104, 104P and 104PD. This course was completed at Irwindale, California on November 06, 2006.*



Frank Aguirre  
Radiation Safety Officer  
NDC Infrared Engineering

*Dated: November 10, 2006*

# *Certificate of Completion*

*awarded to*

***Jason Barnett***

*for participation in*

Radiation Safety Training – Las Vegas

February 5-7, 2008



ENGELHARDT & ASSOCIATES, INC.


RADIATION CONSULTANTS


6400 Gisholt Dr., Suite, 111 Madison, WI 53713

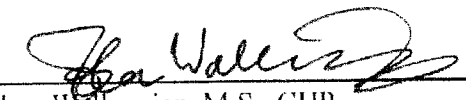
Phone: 800.525.3078 Fax: 608.224.0821


E-mail: engel@chorus.net


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Susan J. Engelhardt, M.S.

  
Ralph Grunewald, Ph.D.

  
Joshua Walkowicz, M.S., CHP

  
Judith Grunewald, R.N., M.S.

  
Michael T. Smith, A.S., EMT-P

This is to acknowledge the receipt of your letter / application dated 1/13/2009  
and to inform you that your letter / application will be transferred to the  
State / Commonwealth of Virginia  
~~for technical review on~~ 3/31/2009, in conjunction with the State / Commonwealth  
of Virginia becoming an Agreement State on  
3/31/2009.

Any questions, please call the State / Commonwealth of  
Virginia at 804-864-8168.

Your action has been assigned Mail Control Number 143218 (VA License - 39-32137-04)  
143217 (NRC Amend.)  
When calling to inquire about this action, please refer to this control number.

Sincerely,  
Licensing Assistance Team Leader