

NRC FORM 313
(10-2005)
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

Estimated burden per response to comply with this mandatory collection request: 4.4 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, 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 MATERIAL 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:

DIVISION OF INDUSTRIAL AND MEDICAL NUCLEAR SAFETY
OFFICE OF NUCLEAR MATERIALS SAFETY AND SAFEGUARDS
U.S. NUCLEAR REGULATORY COMMISSION
WASHINGTON, DC 20555-0001

Br. 3

ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS:

IF YOU ARE LOCATED IN:

ALABAMA, CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, FLORIDA, GEORGIA, KENTUCKY, MAINE, MARYLAND, MASSACHUSETTS, MISSISSIPPI, 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

LL 31174
03037309
03121

(45-31174-01)

ALASKA, ARIZONA, ARKANSAS, CALIFORNIA, COLORADO, HAWAII, IDAHO, KANSAS, LOUISIANA, 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
611 RYAN PLAZA DRIVE, SUITE 400
ARLINGTON, TX 76011-4005

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 _____

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

Volkert and Associates, Inc.
5400 Shawnee Road, Suite 301
Alexandria, Virginia 22312

RECEIVED
REGION I
2006 JUL 14 PM 2:19

3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED

5400 Shawnee Road, Suite 301
Alexandria, Virginia 22312

Anywhere where NRC maintains jurisdiction for regulating the use of radioactive materials

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

William D. McDowall II, P.E.

TELEPHONE NUMBER

(804) 452-2862

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 9D

AMOUNT ENCLOSED \$ 1,710.00

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

James Spencer, Vice President

SIGNATURE

DATE

7/11/2006

FOR NRC USE ONLY

TYPE OF FEE FEE LOG FEE CATEGORY AMOUNT RECEIVED CHECK NUMBER COMMENTS

APPROVED BY

DATE

139131

ITEMS 5 AND 6: MATERIALS TO BE POSSESSED AND PROPOSED USES

Radioisotope	Manufacturer/Model Number	Quantity	Use
Cesium-137	Sealed Source Troxler Dwg. A-102112	No single source to exceed 9 mCi	To be used in Troxler model 3400 series gauges for measurement of physical properties of materials
Americium-241:Be	Sealed Source Troxler Dwg. A-102451	No single source to exceed 44 mCi	To be used in Troxler model 3400 series gauges for measurement of physical properties of materials

ITEMS 7 THROUGH 11: TRAINING AND EXPERIENCE, FACILITIES AND EQUIPMENT, RADIATION SAFETY PROGRAM, AND WASTE DISPOSAL

Item Number and Title	Response
<p>7. Individual(s) Responsible for Radiation Safety Program and Their Training and Experience- Radiation Safety Officer</p> <p>Name: W. D. McDowall II, P.E.</p>	<p>Before obtaining licensed materials, the proposed RSO will have successfully completed Troxler's Nuclear Gage Safety Training Class or Troxler's Radiation Safety Officer Training Class or equivalent.</p> <p>Before being named as the RSO, future RSO's will have successfully completed Troxler's Nuclear Gage Safety Training Class or Troxler's Radiation Safety Officer Training Class or equivalent.</p>
<p>8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS</p>	<p>Before using licensed materials, all gauge users will have successfully completed the Troxler Nuclear Gage Safety Training Class or equivalent.</p>
<p>9. FACILITIES AND EQUIPMENT</p>	<p>Response not required</p>
<p>10. RADIATION SAFETY PROGRAM – AUDIT PROGRAM</p>	<p>Response not required</p>
<p>10.1 RADIATION SAFETY PROGRAM – Survey Instruments</p>	<p>We will either possess and use or 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, Rev. 1, dated Nov. 2001</p>
<p>10.2 RADIATION SAFETY PROGRAM – MATERIAL RECEIPT AND ACCOUNTABILITY</p>	<p>Records of receipt, transfer, and disposal of gauges will be maintained for at least 3 years.</p> <p>Physical inventories of sealed sources will be conducted at intervals not to exceed 6 months.</p>

<p>10.3 RADIATION SAFETY PROGRAM – OCCUPATIONAL DOSIMETRY</p>	<p>All personnel will wear a personnel monitoring device, such as a TLD badge, to measure radiation exposure when using or transporting gauges. The badges shall be exchanged at intervals not to exceed 3 months. Dosimetry badges shall be provided by a vendor accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) such as Troxler Electronic Laboratories, Inc.</p>
<p>10.4 RADIATION SAFETY PROGRAM – PUBLIC DOSE</p>	<p>Response not required</p>
<p>10.5 RADIATION SAFETY PROGRAM – OPERATING AND EMERGENCY PROCEDURES</p>	<p>Operating and emergency procedures will be developed, implemented, and maintained and will meet the criteria in the section entitled “Radiation Safety Program – Operating and Emergency Procedures” in NUREG – 1556, Vol. 1, Rev. 1, dated Nov. 2001</p>
<p>10.6 RADIATION SAFETY PROGRAM – LEAK TEST</p>	<p>Leak tests will be performed at intervals not to exceed 6 months or other interval specified in the license using an approved kit, such as Troxler Leak Test Kit 3880, in accordance with the kit supplier’s instructions. Leak test samples will be analyzed by an organization authorized by the NRC or Agreement State to provide leak test services, such as Troxler Electronic Laboratories, Inc. (North Carolina license No. 031-0182-1).</p>
<p>10.7 RADIATION SAFETY PROGRAM – MAINTENANCE</p>	<p>We will implement and maintain procedures for routine maintenance of our gauges according to each manufacturer’s recommendations and instructions.</p> <p>We will send our gauges to the manufacturer or other person authorized by NRC or an Agreement State to perform non-routine maintenance or repair operations that require the removal of the source or source rod from the gauge.</p>
<p>10.8 RADIATION SAFETY PROGRAM – TRANSPORTATION</p>	<p>No response required</p>

11 WASTE MANAGEMENT – GAUGE DISPOSAL AND TRANSFER	No response required

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

7/11/2006, and to inform you that the initial processing which includes an administrative review has been performed.

New License Application (03037309)
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** 139131.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.

