

**DDS ENGINEERING, PLLC**  
**CIVIL ENGINEERING, LAND SURVEYING,  
LANDSCAPE ARCHITECTURE,  
TESTING & INSPECTION SERVICES**

2965 NORTH MILL AVENUE - BOWLING GREEN, KENTUCKY 42104  
PH. 270-843-2247 - www.ddsengineering.com - FAX 270-843-9323

December 12, 2005

Licensing Assistance Team  
Division of Nuclear Materials Safety  
U.S. Nuclear Regulatory Commission, Region 1  
475 Allendale Road  
King of Prussia, PA 19406-1415

LL 31117  
030 37110  
03121

(16-31117-01)

Subject: **Application for Material License - 2006**

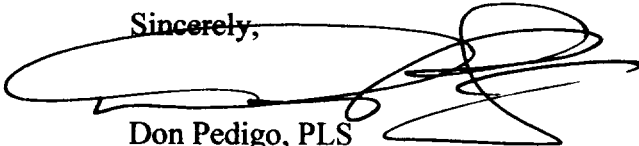
To Whom It May Concern:

*DDS ENGINEERING, PLLC* is submitting an application for material license for a portable gauging device for the year two thousand six (2006).

Attached are two completed copies of NRC Form 313 and the required application fee of \$1800.00.

If there are any questions or concerns, please feel free to contact us.

Sincerely,



Don Pedigo, PLS  
Radiation Safety Officer  
*DDS ENGINEERING, PLLC*

NW 83

DEC 13 2005 11:20 AM

138125

NRC DIVISION MATERIALS-002

## 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](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.

## 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

## 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

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)

DDS Engineering, PLLC  
2965 North Mill Ave  
Bowling Green, KY 42104

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

2965 North Mill Ave  
Bowling Green, KY 42104

Temporary job sites in the United States where NRC maintains jurisdiction

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

Don Pedigo, PLS, RSO

## TELEPHONE NUMBER

(270) 843-2247

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

\$ 1,800.00

## 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

Don Pedigo, RSO

## SIGNATURE

## DATE

12/09/2005

## FOR NRC USE ONLY

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

APPROVED BY

DATE

138125

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

- |   |   |
|---|---|
| a. Cesium 137                               | Americium 241                             |
| b. Sealed source (Troxler Drawing 102112)   | Sealed Source (Troxler Drawing 102451)    |
| c. No single source to exceed 9 Millicuries | No Single Source to exceed 44 Millicuries |

Gauges will be used for the purposes described in their respective Sealed Source and Device Registration Certificate.

**ITEM 7: INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM**

Don Pedigo, PLS, Troxler RSO Certified

**ITEM 8: TRAINING FOR INDIVIDUALS**

Authorized users have completed Nuclear Gauge Safety Training Classes given by Gauge providers  
Hazmat (Hazardous Materials) Certification given by Gauge providers or Qualified Personnel.

**ITEM 10: RADIATION SAFETY PROGRAM - SURVEY INSTRUMENTS**

We will either possess and use, or have access to and use a Radiation Survey Meter that meets NRC criteria in NRC section entitled "Radiation Safety Program".

Instruments in NUREG - 1556, Vol. 1 Rev. 1, Consolidated Guidance About Materials Licenses:  
Program specific guidance about Portable Gauge Licenses dated November 2001 in the event of an accident.

**ITEM 10: RADIATION SAFETY PROGRAM - MATERIAL RECEIPT AND ACCOUNTABILITY**

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.

**ITEM 10: RADIATION SAFETY PROGRAM - OCCUPATIONAL DOSIMETRY**

We will provide Dosimetry processed and evaluated by an NVLAP approved processor that is exchanged at a frequency recommended by the processor.

**ITEM 10: RADIATION SAFETY PROGRAM - OPERATING AND EMERGENCY PROCEDURES**

We will implement and maintain the operating and emergency procedures in Appendix H of NUREG-1556, Vol. 1, Rev. 1 "Consolidated Guidance about Materials Licenses" dated November 2001, and provide copies of these procedures to all Gauge users at each job site.

**ITEM 10: RADIATION SAFETY PROGRAM - LEAK TEST**

Leak tests will be performed at intervals approved by NRC or an Agreement state and specified in the sealed source and Device Registration sheet, leak tests will be performed by an organization authorized by NRC or an agreement state to provide leak test kits to order licenses and surrounding to the kit's supplier's instructions.

**ITEM 10: RADIATION SAFETY PROGRAM - MAINTENANCE***Routine cleaning and lubrication*

We will implement and maintain procedures for routine maintenance if our gauges according to each manufacturer's recommendation and instructions.

*Non-routine maintenance*

Non-routine maintenance or repair operations that require detaching the source or source rod from NRC Gauge. We will send the Gauge to the manufacturer or other person authorized by NRC or an agreement state to perform non-routine maintenance or repair operations that require detaching the source or source rod from the Gauge.

This is to acknowledge the receipt of your letter/application dated  
12/12/2005 / 12/9/2005 <sup>LETTER</sup> <sup>APPLICATION</sup>, and to inform you that the initial processing which  
includes an administrative review has been performed.

☒ NEW LICENSE APPLICATION (03037440)  
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** 138125.  
When calling to inquire about this action, please refer to this control number.  
You may call us on (610) 337-5398, or 337-5260.

BETWEEN: : (FOR LFMS USE)  
: INFORMATION FROM LTS  
: -----  
:   
License Fee Management Branch, ARM : Program Code: 03121  
and : Status Code: 3  
Regional Licensing Sections : Fee Category: \_\_\_\_\_  
: Exp. Date: 0  
: Fee Comments: \_\_\_\_\_  
: Decom Fin Assur Req'd: \_  
: ::

LICENSE FEE TRANSMITTAL

A. REGION I

1. APPLICATION ATTACHED  
Applicant/Licensee: DDS ENGINEERING, PLLC  
Received Date: 20051219  
Docket No: 3037110  
Control No.: 138125  
License No.: 16-31117-01  
Action Type: New Licensee

2. FEE ATTACHED \$1,800.00  
Amount: 3265  
Check No.: 3265

3. COMMENTS

Signed M. A. Perlman  
Date 1/11/2006

B. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered /\_\_/)

1. Fee Category and Amount: \_\_\_\_\_

2. Correct Fee Paid. Application may be processed for:  
Amendment \_\_\_\_\_  
Renewal \_\_\_\_\_  
License \_\_\_\_\_

3. OTHER \_\_\_\_\_  
\_\_\_\_\_

Signed \_\_\_\_\_  
Date \_\_\_\_\_