



DESPIAU ASSOCIATES
SOIL / GEOTECHNICAL ENGINEERING LABORATORIES

April 10, 2019

52-24895-02

U.S. Nuclear Regulatory Commission
Region I
475 Allendale Road
King of Prussia, PA 19406

03038023

Dear Sir or Madam:

Please find enclosed a renewal application for the use and handling of radioactive materials.

If you need any further information, please feel free to contact me at (787) 579-5355 or (787) 281-0686.

Sincerely,

DESPIAU ASSOCIATES CORP.


Jose R. Despiau, P.E.
Chief Engineer

REC'D IN LAT 4-10-19

611883
NMSS/RGN1 MATERIALS-C02

NRC FORM 313
(10-2017)
10 CFR 30, 32,
33, 34, 35, 36,
37, 39, and 40



U.S. NUCLEAR REGULATORY COMMISSION

**APPLICATION FOR
MATERIALS LICENSE**

APPROVED BY OMB: NO. 3150-0120

EXPIRES: 06/30/2019

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 Information Services Branch (T-2 F43), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by e-mail to Infocollects.Resource@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NE0B-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 CURRENT VOLUMES OF THE NUREG-1666 TECHNICAL REPORT SERIES ("CONSOLIDATED GUIDANCE ABOUT MATERIALS LICENSES") FOR DETAILED INSTRUCTIONS FOR COMPLETING THIS FORM: <http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1556/>. SEND TWO COPIES OF THE COMPLETED APPLICATION TO THE NRC OFFICE SPECIFIED BELOW.

APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:

MATERIALS SAFETY LICENSING BRANCH
DIVISION OF MATERIAL SAFETY, STATE, TRIBAL AND RULEMAKING PROGRAMS
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
2100 RENAISSANCE BOULEVARD, SUITE 100
KING OF PRUSSIA, PA 19406-2713

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

IF YOU ARE LOCATED IN:

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
1600 E. LAMAR BOULEVARD
ARLINGTON, TX 76011-4511

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 52-24895-02

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

Despiau Associates Corp.
PO Box 260370
San Juan, PR 00926-2622

3. ADDRESS WHERE LICENSED MATERIALS WILL BE USED OR POSSESSED

Villa Nevarez
State Road PR-21, #323
San Juan, PR 00927

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

Jose R. Despiau

BUSINESS TELEPHONE NUMBER
787-281-0686

BUSINESS CELLULAR TELEPHONE NUMBER
787-579-5355

BUSINESS E-MAIL ADDRESS
jdespiau@despiau.net

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 AND 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 (Fees required only for new applications, with few exceptions*)
(See 10 CFR 170 and Section 170.31)
*Amendments/Renewals that increase the scope of the existing license to a new or higher fee category will require a fee.

FEE CATEGORY	AMOUNT ENCLOSED \$	0.00
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PER THE DEBT COLLECTION IMPROVEMENT ACT OF 1996 (PUBLIC LAW 104-134), YOU ARE REQUIRED TO PROVIDE YOUR TAXPAYER IDENTIFICATION NUMBER. PROVIDE THIS INFORMATION BY COMPLETING NRC FORM 531: <https://www.nrc.gov/reading-rm/doc-collections/forms/nrc531info.html>.

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, 37, 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

Jose R. Despiau - President

SIGNATURE

DATE

April 10, 2019

FOR NRC USE ONLY

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

U.S. Nuclear Regulatory Commission Renewal Application
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Item 1 Address

- a) Mailing address
Despiau Associates
P.O. Box 260370
San Juan, PR 00926-2622
(787) 281-0686

- b) Main Office address
Despiau Associates
Urb. Villa Nevarez, 323 PR-21
San Juan, PR 00927
(787) 281-0686

- c) Physical location (storage/location of the Nuclear gauge & records)
Despiau Associates
Urb. Villa Nevarez, 323 PR-21
San Juan, PR 00927
(787) 281-0686

Please authorize the use at any temporary job site location within US territories.

The following is based on Portable Gauge Licenses, NUREG 1556 Vol 1, Rev 2, Appendix B

Item 5 and 6: Materials to be Possessed and Proposed Uses

Radioisotope	Manufacturer	Quantity	Use as Listed on SSD Certificate	Other Uses Not Listed on SSD Certificate
Cs-137	Device manufacturer: CPN Model(s): MC-1, MC-2, MC-3, MC-1DR, and MC-1DR-P	Not to exceed the maximum activity per device as specified in Sealed Source and Registration Certificate. 10 mCi	Yes	Not Applicable
Am-241	Device manufacturer: CPN Model(s): MC-1, MC-2, MC-3, MC-1DR, and MC-1DR-P	Not to exceed the maximum activity per device as specified in Sealed Source and Registration Certificate. 50 mCi	Yes	Not Applicable

Ra-226	Device manufacturer: Seaman Nuclear Corp Model(s): C-200 and C-300, and C-75	Not to exceed the maximum activity per device as specified in Sealed Source and Registration Certificate. 4.5 mCi	Yes	Not Applicable
Cs-137	Device manufacturer: Seaman Nuclear Corp Model(s): C-200 and C-300, and C-75	Not to exceed the maximum activity per device as specified in Sealed Source and Registration Certificate. 10 mCi	Yes	Not Applicable
Am-241	Device manufacturer: Seaman Nuclear Corp Model(s): C-200 and C-300, and C-75	Not to exceed the maximum activity per device as specified in Sealed Source and Registration Certificate. 50 mCi	Yes	Not Applicable

Item No. and Title	Response
<p>7. Individual(s) responsible for the radiation safety program and their training and experience – Radiation Safety Officer.</p> <p>Name: Jose R. Despiau</p>	<p>Documentation demonstrating the proposed radiation safety officer’s training and experience (e.g., certificate of completion of the RSO’s course and/or the authorized user’s course).</p>
<p>8. Training for individuals working in or frequenting Restricted areas.</p>	<p>Before using licensed materials, authorized users will have successfully completed one of the training courses described in the “Criteria” part of the section titled, “Training for Individuals Working in or Frequenting Restricted Areas” in NUREG-1556, Vol. 1, Rev. 2, “Consolidated Guidance About Materials Licenses: Program- Specific Guidance About Portable Gauge Licenses.”</p>
<p>9. Facilities and equipment.</p>	<p>No information needs to be submitted in response to this item; key issues are addressed under “Radiation Safety Program – Public Dose” and “Radiation Safety Program – Operating and Emergency Procedures.”</p>
<p>10.1 Radiation Safety Program – Audit Program.</p>	<p>The applicant is not required to, and should not, submit its audit program to NRC for review during the licensing phase.</p>
<p>10.2 Radiation Safety Program – Radiation Monitoring 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 titled, “Radiation Safety Program—Radiation Monitoring Instruments” in NUREG-1556, Vol. 1, Rev. 2, “Consolidated Guidance About Materials Licenses: Program- Specific Guidance About Portable Gauge Licenses,” in the event of an incident.</p>
<p>10.3 Radiation Safety Program – Material Receipt and Accountability.</p>	<p>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. AND We will develop, implement, and maintain procedures for ensuring accountability of licensed materials at all times.</p>
<p>10.4 Radiation Safety Program – Occupational Dose.</p>	<p>Either we will maintain, for inspection by the NRC, documentation demonstrating that unmonitored individuals are not likely to receive a radiation dose in excess of the limits in 10 CFR 20.1502(a) or we will provide and require the use of individual monitoring devices (dosimetry). All personnel dosimeters that require processing to determine the radiation dose will be processed and evaluated by a NVLAP-approved processor.</p>
<p>10.5 Radiation Safety Program – Public Dose.</p>	<p>The applicant is not required to submit a response to the public dose section during the licensing phase. This matter will be examined during an inspection.</p>
<p>10.6 Radiation Safety Program – Operating, Emergency, and Security Procedures.</p>	<p>Operating, emergency, and security procedures will be developed, implemented, and maintained and will meet the criteria in section 8.10.6, “Radiation Safety Program—Operating, Emergency, and Security Procedures,” NUREG-1556, Vol. 1, Rev. 2, “Consolidated Guidance About Materials Licenses: Program-Specific Guidance About Portable Gauge Licenses.” Copies of these procedures will be provided to all gauge users and will be available at each jobsite.</p>

10.7 Radiation Safety Program – Leak Test.	Leak tests will be performed at intervals approved by the NRC or an Agreement State and specified in the sealed Sources and Device Registration Sheets. Leak tests will be performed by an organization authorized by NRC or an Agreement State to provide leak testing services for other licensees or using a leak test kit supplied by an organization authorized by NRC or Agreement State to provide leak tests kits to other licensees and according to the kit supplier's instructions.
10.8 Radiation Safety Program – Maintenance.	<p style="text-align: center;"><i>Routine Cleaning and Lubrication</i></p> We will implement and maintain procedures for routine maintenance of our gauges according to each manufacturer's recommendations and instructions. <p style="text-align: center;"><i>Non-Routine Maintenance</i></p> We will send the gauge to the manufacturer or other person authorized by the 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.
10.9 Radiation Safety Program – Transportation.	The applicant is not required to submit a response to transportation during the licensing process. However, this issue will be reviewed during an inspection.
11. Waste Management – Gauge Disposal and Transfer.	The applicant is not required to submit a response to waste management during the licensing process. However, the licensee should develop, implement, and maintain gauge transfer and disposal procedures in its radiation protection program.