

NRC FORM 313  
(04-2016)  
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: 04/30/2016

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 FOIA, Privacy, and Information Collections Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by e-mail to [InfoCollections.Resource@nrc.gov](mailto:InfoCollections.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.

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. \*AMENDMENTS/RENEWALS THAT INCREASE THE SCOPE OF THE EXISTING LICENSE TO A NEW OR HIGHER FEE CATEGORY WILL REQUIRE A FEE.

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

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  
1800 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

11-29230-01

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

Idaho Sand & Gravel Company  
924 North Sugar Street  
Nampa, ID 83653-1310

3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED

924 North Sugar Street  
Nampa, ID 83653

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

Tim Bentley

BUSINESS TELEPHONE NUMBER

208-466-5001

BUSINESS CELLULAR TELEPHONE NUMBER

208-870-1846

BUSINESS EMAIL ADDRESS

tbentley@idaho sand.com

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.

8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS.

7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING AND EXPERIENCE.

10. RADIATION SAFETY PROGRAM.

9. FACILITIES AND EQUIPMENT.

11. WASTE MANAGEMENT.

12. LICENSE FEES (Fees required only for new applications, with few exceptions)  
(See 10 CFR 170 and Section 170.31)

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, 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

Timothy W Bentley, QC Manager, RSO

SIGNATURE

*[Signature]*

DATE

5/10/2016

TYPE OF FEE

FEE LOG

FEE CATEGORY

AMOUNT RECEIVED

\$

CHECK ONE (If fee is not applicable, check "None")

☐ A.7 Sensitive Internal

☐ Other

APPROVED BY

DATE

Reviewer: *[Signature]*

Date: 5/11/16

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

Yes	No	Radioisotope	Manufacturer or Distributor Model No.	Quantity	Use As Listed on SSD Certificate	Specify Other Uses Not Listed on SSD Certificate
<u>X</u>		Cesium-137	Sealed source manufacturer or distributor and model number: AEA Technology/QSA, Inc., Model CDC 805, or Isotope Products laboratories Model HEG-137	Not to exceed either the maximum activity per source or maximum activity per device as specified in Sealed Source and Device Registration Certificate	Yes <u>X</u> Specific description of the gauge use:  To be used in Instro Tek, Inc. Model 3500 Xplorer portable gauging devices for measuring physical properties of materials.	<u>X</u> Not applicable  0 Uses are:  (Submit safety analysis supporting safe use)
<u>X</u>		Americium- 241	Sealed source manufacturer or distributor and model number. AEA Technology/QSA, Inc., model AMNV 997, or Isotope Products Laboratories Model AM1 NO2	Not to exceed either the maximum activity per source or maximum activity per device as specified in Sealed Source and Device Registration Certificate	Yes <u>X</u> Specific description of the gauge use:  To be used in Instro Tek, Inc. Model 3500 Xplorer portable gauging devices for measuring physical properties of materials.	<u>X</u> Not applicable  0 Uses are:  (Submit safety analysis supporting safe use)

Yes	No	Radioisotope	Manufacturer or Distributor Model No.	Quantity	Use As Listed on SSD Certificate	Specify Other Uses Not Listed on SSD Certificate
	<u>X</u>	Californium-252	Sealed source manufacturer or distributor and model number:	Not to exceed either the maximum activity per source or maximum activity per device as specified in Sealed Source and Device Registration Certificate	Yes CI	CI Not applicable
			Device manufacturer or distributor and model number:		Specific description of the gauge use:	CI Uses are:
						(Submit safety analysis supporting safe use)
	<u>X</u>	Other Isotope (Specify):	Sealed source manufacturer or distributor and model number:	Not to exceed either the maximum activity per source or maximum activity per device as specified in Sealed Source and Device Registration Certificate	Yes CI	CI Not applicable
			Device manufacturer or distributor and model number:		Specific description of the gauge use:	CI Uses are:
						(Submit safety analysis supporting safe use)
<i>Financial Assurance Required and Evidence of Financial Assurance Provided</i>						

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

Item No. And Title	Suggested Response	Yes	Alternative Procedures Attached
<b>7.INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING AND EXPERIENCE — RADIATION SAFETY OFFICER</b>  Name: Timothy W Bentley	<p>Before obtaining licensed materials, the proposed RSO will have successfully completed one of the training courses described in Criteria in the section entitled</p> <p>"Individual(s) Responsible for Radiation Safety Program and Their Training and Experience — Radiation Safety Officer" in NUREG-1556, Vol. 1, Rev. 1, dated November 2001.</p>	<u>X</u>	0
<b>8.TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS</b>	<p>Before using licensed materials, authorized users will have successfully completed one of the training course described in Criteria in the section entitled "Training for Individuals Working In or Frequenting Restricted Areas" in NUREG-1556, Vol. 1, Rev 1, dated November 2001.</p>	<u>X</u>	0
<b>9.FACILITIES AND EQUIPMENT</b>	<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>Separate Item 9 Response Need Not Be Submitted With Application</p>	
<b>10.RADIATION SAFETY PROGRAM — AUDIT PROGRAM</b>	<p>The applicant is <i>not</i> required to, and should not, submit its audit program to NRC for review during the licensing phase.</p>	<p>Need Not Be Submitted With Application</p>	
<b>10. RADIATION SAFETY PROGRAM — TERMINATION OF ACTIVITIES</b>	<p>The applicant is <i>not</i> required to submit a response to the termination of activities section during the initial application.</p> <p>However, when the license expires when the licensee ceases operation, NRC Form 314 must be submitted.</p>	<p>Need Not Be Submitted With Application</p>	
<b>10. RADIATION SAFETY PROGRAM — SURVEY INSTRUMENTS</b>	<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 November 2001.</p>	<u>X</u>	0

Item No. And Title	Suggested Response	Yes	Alternative Procedures Attached
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.	<u>X</u>	0
10. RADIATION SAFETY PROGRAM — OCCUPATIONAL DOSIMETRY	Either we will maintain, for inspection by NRC, documentation demonstrating that unmonitored individuals are not likely to receive a radiation dose in excess of 10 percent of the allowable limits in 10 CFR Part 20, or we will provide dosimetry processed and evaluated by an NVLAP-approved processor that is exchanged at a frequency recommended by the processor.	<u>X</u>	0
10. RADIATION SAFETY PROGRAM — PUBLIC DOSE	The applicant is <i>not</i> required to submit a response to the public dose section during the licensing phase. This matter will be examined during an inspection,	Need Not Be Submitted With Application	
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, dated November 2001, and provide copies of these procedures to all gauge users and at each job site. OR 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 November 2001.	<u>X</u>	0
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 testing services for 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 kit supplier's instructions.	<u>X</u>	0  information in  perform leak testing and sample analysis is



Item No. And Title	Suggested Response	Yes	Alternative Procedures Attached
<b>10.RADIATION SAFETY PROGRAM — MAINTENANCE</b>	<p><i>Routine Cleaning and Lubrication</i> We will implement and maintain procedures for routine maintenance of our gauges according to each manufacturer's recommendations and instructions.</p> <p><i>Non-Routine Maintenance</i> 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 the removal of the source or source rod from the gauge.</p>	<p><u>X</u></p> <p><u>X</u></p>	<p>0</p> <p>0</p> <p>The information listed in Appendix G supporting a request to perform non-routine maintenance in-house is attached</p>
<b>10.RADIATION SAFETY PROGRAM — TRANSPORTATION</b>	The applicant is <i>not</i> required to submit its response to transportation during the licensing process. However, this issue will be reviewed during inspection.	<b>Need Not Be Submitted With Application</b>	
<b>11.WASTE MANAGEMENT — GAUGE DISPOSAL AND TRANSFER</b>	The applicant is <i>not</i> 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.	<b>Need Not Be Submitted With Application</b>	

## Hill, Carol

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**From:** Hill, Carol  
**Sent:** Tuesday, May 10, 2016 1:22 PM  
**To:** 'Bentley, Timothy (Idaho Sand & Gavel)'  
**Subject:** RE: RE: URGENT Reminder: Nuclear Materials License Renewal is Due to the NRC By June 30, 2016

Ok. Thank you. You can go ahead and send the hard copy now. If anything else is needed, the reviewer assigned to the case will contact you directly.

### Carol L. Hill, Licensing Assistant

Direct: 817-200-1140  
Toll Free: 1-800-952-9677  
Fax: 817-200-1083  
E-mail: [Carol.Hill@nrc.gov](mailto:Carol.Hill@nrc.gov)

**US Nuclear Regulatory Commission**  
1600 E. Lamar Blvd.  
Arlington, TX 76011-4511

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**From:** Bentley, Timothy (Idaho Sand & Gavel) [<mailto:Timothy.Bentley@stakerparson.com>]  
**Sent:** Tuesday, May 10, 2016 11:52 AM  
**To:** Hill, Carol <[Carol.Hill@nrc.gov](mailto:Carol.Hill@nrc.gov)>  
**Subject:** [External\_Sender] RE: URGENT Reminder: Nuclear Materials License Renewal is Due to the NRC By June 30, 2016

Carol,

I left a message for the reviewer you transferred me to, but I took a stab at it on my own. Here is a copy. I will be sending the hard copies once I hear back to make sure I've completed it correctly and don't need to include any further documentation. I appreciate your assistance and time.

Thank you,

### Tim Bentley



#### "The Preferred Source"

924 N. Sugar St. | Nampa, Idaho 83653  
C. 208-870-1846 | P. 208-466-5001 | F. 208-466-5166

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**From:** Hill, Carol [<mailto:Carol.Hill@nrc.gov>]  
**Sent:** Thursday, March 03, 2016 1:11 PM  
**To:** [rvonlontig@idahosand.com](mailto:rvonlontig@idahosand.com); Bentley, Timothy (Idaho Sand & Gavel)  
**Subject:** URGENT Reminder: Nuclear Materials License Renewal is Due to the NRC By June 30, 2016

Please be advised that your Nuclear Materials License 11-29230-01, will expire on June 30, 2016. In order to prevent termination of your license, you MUST submit your renewal application so that it is received by the NRC no later than June 30, 2016. If you need to fax in your request in order to meet the submission deadline, you may fax it, to my attention, to 817-200-1083; and follow up with a hard copy through the mail. If your renewal request is not received by COB June 30, 2016, your license will, subsequently, expire, and you will have to divest yourself of any radioactive material before the expiration date, or commit to not using the radioactive material in NRC jurisdiction. If you make the commitment to not use the radioactive material in NRC jurisdiction, please give us a timeline of submitting a new license application (with applicable fee) or NRC Form 314, Certificate of Disposition of Material.

Please keep in mind, that no fees need to be sent with a renewal application.

For your convenience, I have attached NUREG 1556, Consolidated Guidance About Materials Licenses, and NRC Form 313, Application for Materials License.

If you have questions or need additional information, please feel free to contact me.

**Carol L. Hill, Licensing Assistant**

Direct: 817-200-1140  
Toll Free: 1-800-952-9677  
Fax: 817-200-1083  
E-mail: [Carol.Hill@nrc.gov](mailto:Carol.Hill@nrc.gov)

**US Nuclear Regulatory Commission  
1600 E. Lamar Blvd.  
Arlington, TX 76011-4511**

**Carol L. Hill, Licensing Assistant**

Direct: 817-200-1140  
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Fax: 817-200-1083  
E-mail: [Carol.Hill@nrc.gov](mailto:Carol.Hill@nrc.gov)

**US Nuclear Regulatory Commission  
1600 E. Lamar Blvd.  
Arlington, TX 76011-4511**





## ACKNOWLEDGEMENT - RECEIPT OF CORRESPONDENCE

## Name and Address of Applicant and/or Licensee

Idaho Sand & Gravel Co.  
ATTN: Robert Von Lintig  
Nampa Division Manager  
924 N. Sugar St.  
Nampa, Idaho 83653-1310

## License Number(s)

11-29230-01

## Mail Control Number(s)

590874

## Licensing and/or Technical Reviewer or Branch

JAB

This is to acknowledge receipt of your: ☒ Letter and/or ☐ Application Dated: 05/10/2016

The initial processing, which included an administrative review, has been performed.

☐ Amendment ☐ Termination ☐ New License ☒ Renewal

☐ There were no administrative omissions identified during our initial review.

☐ This is to acknowledge receipt of your application for renewal of the material(s) license identified above. Your application is deemed timely filed, and accordingly, the license will not expire until final action has been taken by this office.

☐ Your application for a new NRC license did not include your taxpayer identification number. Please fill out NRC Form 531, Request for Taxpayer Identification Number, located at the following link:  
<http://www.nrc.gov/reading-rm/doc-collections/forms/nrc531.pdf>

Send the completed NRC Form 531, by facsimile, to the following number: (301) 415-5387

☐ The following administrative omissions have been identified:

A copy of your action has been e-mailed to our License Fee and Accounts Receivable Branch, in our Headquarters office in Rockville, MD. You will be contacted separately if there is a fee issue involved.

Your application has been assigned the above listed MAIL CONTROL NUMBER. When calling to inquire about this action, please refer to this control number. Your application has been forwarded to a technical reviewer. Please note that the technical review, which is normally completed within 180 days for a renewal application (90 days for all other requests), may identify additional omissions or require additional information. If you have any questions concerning the processing of your application, our contact information is listed below:

Region IV  
U. S. Nuclear Regulatory Commission  
DNMS/NMSB - B  
1600 E. Lamar Boulevard  
Arlington, TX 76011-4511  
(817) 200-1140 or (817) 200-1209

✓ 511-16

BETWEEN:

Accounts Receivable/Payable  
and  
Regional Licensing Branches

[ FOR ARPB USE ]  
INFORMATION FROM WBL

Program Code: 03121  
Status Code: Pending Renewal  
Fee Category: 3P  
Exp. Date:  
Fee Comments:  
Decom Fin Assur Req: N

## License Fee Worksheet - License Fee Transmittal

### A. REGION

#### 1. APPLICATION ATTACHED

Applicant/Licensee: IDAHO SAND & GRAVEL COMPANY  
Received Date: 05/10/2016  
Docket Number: 3037202  
Mail Control Number: 590874  
License Number: 11-29230-01  
Action Type: Renewal

#### 2. FEE ATTACHED

Amount: \_\_\_\_\_

Check No.: \_\_\_\_\_

#### 3. COMMENTS

Signed: \_\_\_\_\_

Date: \_\_\_\_\_

*Jennifer Bridges*  
5-11-16

### 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: \_\_\_\_\_